# Appendix K: Phase I Environmental Site Assessment

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October 14, 2024

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**Re: Phase I Environmental Site Assessment**
***Manassas Regional Airport Improvements***
*10600 Harry J Parrish Boulevard*
*Manassas, Virginia 20110*
AKRF Project Number 240731

Dear Mr. Byrne:

AKRF, Inc. is pleased to submit this Phase I Environmental Site Assessment report for the above-referenced Property. This report includes an evaluation of readily available historical information and selected environmental databases and electronic records. AKRF, Inc. met the requirements of American Society for Testing and Materials (ASTM) as established by ASTM Standard E1527-21 unless noted otherwise in Section 8.0: "Limitations and Data Gaps".

We appreciate the opportunity to provide you with our services. If you should have any questions, please do not hesitate to contact us.

Sincerely,
AKRF, Inc.

Deborah Shapiro, QEP
Senior Vice President

Bryan S. Murty
Senior Technical Director

# MANASSAS REGIONAL AIRPORT IMPROVEMENTS

**10600 Harry J Parrish Boulevard**

**MANASSAS, VIRGINIA**

# Phase I Environmental Site Assessment

**AKRF Project Number: 240731**




**Prepared for:**

Avion Solutions Group LLC
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**Prepared by:**

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**OCTOBER 14, 2024**

# EXECUTIVE SUMMARY

AKRF, Inc. (AKRF) was retained by Avion Solutions Group LLC (ASG) to prepare a Phase I Environmental Site Assessment (ESA) of the Manassas Regional Airport (the "Airport","Subject Property" or "HEF") located at 10600 Harry J Parrish Boulevard in the City of Manassas, Prince William County, Commonwealth of Virginia. As of the date of this report, the Subject Property is under consideration for a series of improvements (13 projects total), The Airport is a general aviation facility without scheduled commercial service that is currently not FAR (Federal Aviation Regulation) Part 139 compliant. Under 14 CFR Part 139, the FAA issues Airport Operating Certificates to allow airport operators to serve air carrier passenger operations. The 13 projects are being assessed using a Programmatic Environmental Assessment (PEA) pursuant to NEPA as part of the requirements for issuance of Part 139 certification and the accompanying changes to the HEF Airport Layout Plan (ALP) needed to accommodate commercial service.

The Scope of this Phase I ESA includes a holistic evaluation of existing and potential environmental conditions at the Airport, with emphasis on each of the 13 proposed project areas (as further defined in this report). As of the issuance of this Phase I ESA, the Subject Property consisted of 83 parcels (totaling approximately 340-acres) that comprise Manassas Regional Airport (HEF), including a runway and taxiway, aircraft hangars, storage buildings, aircraft staging aprons and tarmac, airport maintenance building, main terminal building, fuel farm, and air traffic control tower. The airport was active, servicing mostly private and government aircraft.

The Subject Property parcels were bounded to the north by Virginia Railway Express (VRE) rail line and Broad Run Station, followed by various commercial and industrial properties; to the east by tree-covered land and Cannon Branch, followed by Prince William Parkway and commercial, industrial and residential properties; to the south by Broad Run, followed by vacant land, commercial and residential properties; and to the west by tree-covered and vacant land, and Bristow Road. The surrounding area is comprised of mixed-use commercial, residential and industrial buildings.

This Phase I Environmental Site Assessment was performed in conformance with ASTM Standard E1527-21, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*. Any exceptions to, or deletions from, the Standard are described in Section 8.0. The term "Recognized Environmental Condition" or REC means: (1) the presence of hazardous substances or petroleum products in, on, or at the Subject Property due to a release to the environment; (2) the likely presence of hazardous substances or petroleum products in, on, or at the Subject Property due to a release or likely release to the environment; or (3) the presence of hazardous substances or petroleum products in, on, or at the Subject Property under conditions that pose a material threat of a future release to the environment. The Standard also includes definitions of Historical REC (HREC), Controlled REC (CREC), and *De Minimis* Condition. A *De Minimis* Condition is defined as a condition that does not present a threat to human health or the environment and that generally would not be subject to enforcement action if brought to the attention of appropriate government agencies.

A Tier 1 Encroachment Screen was also conducted in accordance with ASTM Standard E2600-15, *Standard Guide for Vapor Encroachment Screening on Property Involved in Real Estate Transactions.* The term "Vapor Encroachment Condition" (VEC) means the presence or likely presence of vapors from chemicals of concern (COC) in the subsurface of a property caused by the release of vapors on or near the property.

This assessment revealed the following:

***RECs/VECs***

- The Subject Property has been utilized as an airport since at least 1965. Although HEF personnel had no knowledge of the current or historical presence of perfluoroalkyl substances (PFAS) at the Subject Property, the technical specification and drum labels for the aqueous film-forming foam (AFFF) observed on the Subject Property stated it contained PFAS.

- A total of 15 listings identified in the SPILLS database were associated with the Subject Property. Four listings associated with the Subject Property were identified in the LTANKS/LUST database, with each of the LTANKS/LUST incidents closed by the Virginia Department of Environmental Quality (VA DEQ). No spill records have been provided to date. While the majority of the spill incidents were minor and were considered HRECs, based upon indications in the Environmental Data Resources, Inc. (EDR) database report that groundwater was affected, residual impacts to groundwater relating to several of the spill incidents may be present.
- Several Resource Conservation and Recovery Act (RCRA) generator listings for the Subject Property indicated generation of petroleum and solvent-related hazardous waste at the Site. While AKRF could not confirm the presence or use of solvents in aircraft maintenance operations, documented history of solvent generation under RCRA database listings has a potential to have impacted subsurface environmental conditions.
- Based on AKRF's review of historical resources including regulatory database records, the Subject Property was identified in the RCRA database as a generator of chlorinated solvents as detailed in Section 5.2.2. Although no releases of chlorinated solvents have been documented at the Subject Property based on the records AKRF has reviewed, there is a potential for undocumented and inadvertent releases to have occurred. Therefore, a potential VEC may exist at the Subject Property.

***Business Environmental Risks (including items outside the scope of ASTM E1527-21 such as asbestos containing material [ACM], lead-based paint [LBP], and/or polychlorinated biphenyls [PCBs] in building materials or fill/debris):***

Asbestos-containing material (ACM), lead-based paint (LBP), and/or polychlorinated biphenyl (PCB)-containing material may be present within older structures at the Subject Property or within fill materials located within the project area(s) that were reportedly imported from an off-site source.

***Recommendations***

- The Subject Property is under consideration for a series of improvements (13 projects total) to upgrade the existing GA facility for commercial airline service. To minimize the potential for impacts on the community and construction workers during the future redevelopment, excavation and other construction work involving soil disturbance should be conducted under a site-specific Soil and Materials Management Plan (SMMP) to ensure proper soil handling procedures (including characterization, storage and disposal activities, as required) and an associated Construction Health and Safety Plan (CHASP), which would specify dust control procedures, the need for air monitoring and other appropriate testing and/or monitoring, as well as detail appropriate measures to be implemented (including notification of regulatory agencies) if USTs, contaminated soil or groundwater, or other unforeseen environmental conditions are encountered. The SMMP would be prepared with consideration to the requirements of HEF's existing SWPPP and SPCC Plan. Under an SMMP, provisions for soil reuse would be identified in accordance with prevailing VA DEQ guidance and requirements.
- With regard to the potential VEC, preventative mitigation measures could be implemented during redevelopment including the installation of soil vapor barriers below the slabs and foundations of any future occupiable structure and/or sub-slab depressurization systems.
- Alternatively, in lieu of a SMMP and preventative vapor mitigation measures, a Subsurface (Phase II) Investigation could be performed to identify any potential contaminants prior to redevelopment of the Project Areas, including the potential presence of emerging contaminants (PFAS) and volatile organic compounds. The scope of the Subsurface (Phase II) Investigation could range from

Project Area-specific investigations within each of the proposed PEA Project Areas, or a site-wide investigation to establish overall existing environmental conditions at HEF.

- If dewatering is required during future construction, groundwater must be handled and discharged in accordance with VA DEQ and existing VPDES permit requirements.

- Any suspect ACM, PCB-containing material, and/or LBP encountered during excavation (including in historical fill materials, if encountered) should be properly characterized, managed and disposed of in accordance with applicable regulations during construction.

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# 1.0 INTRODUCTION

AKRF, Inc. (AKRF) was retained by Avion Solutions Group LLC (ASG) to prepare a Phase I Environmental Site Assessment (ESA) of the Manassas Regional Airport (the "Airport"; "Subject Property" or "HEF") located at 10600 Harry J Parrish Boulevard in the City of Manassas, Prince William County, Commonwealth of Virginia. The Airport is a general aviation facility without scheduled commercial service that is currently not FAR (Federal Aviation Regulation) Part 139 compliant. Under 14 CFR Part 139, the FAA issues Airport Operating Certificates to allow airport operators to serve air carrier passenger operations. Thirteen projects are being assessed using a Programmatic Environmental Assessment (PEA) pursuant to the National Environmental Policy Act (NEPA) as part of the requirements for issuance of Part 139 certification and the accompanying changes to the HEF Airport Layout Plan (ALP) needed to accommodate commercial service. The Scope of this Phase I ESA included a holistic evaluation of existing and potential environmental conditions at the Airport, with emphasis on each of the 13 proposed project areas (as further defined in this report).

At the issuance of this Phase I ESA, the Subject Property consisted of 83 parcels (totaling approximately 340-acres) that comprise Manassas Regional Airport (HEF), including a runway and taxiway, aircraft hangars, storage buildings, aircraft staging aprons and tarmac, airport maintenance building, main terminal building, fuel farm, and air traffic control tower. The airport is currently active, servicing mostly private and government aircraft.

The Subject Property parcels are bounded to the north by Virginia Railway Express (VRE) rail line and Broad Run Station, followed by various commercial and industrial properties; to the east by tree-covered land and Cannon Branch, followed by Prince William Parkway and commercial, industrial and residential properties; to the south by Broad Run, followed by vacant land, commercial and residential properties; and to the west by tree-covered and vacant land, and Bristow Road. The surrounding area is comprised of mixed-use commercial, residential and industrial buildings.

The scope of services for this assessment was in conformance with ASTM Standard E1527-21 (*Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Practice)* and ASTM Standard E2600-15 (*Standard Guide for Vapor Encroachment Screening on Property Involved in Real Estate Transactions*). Any exceptions to, or deletions from, this practice are described in Section 8.0. The scope included the following:

- Observations of the proposed improvement areas on the Subject Property (reconnaissance) to identify potential sources or indications of hazardous substances, including: aboveground storage tanks (ASTs); underground storage tanks (USTs); tank vents and fill ports; transformers and other items that could contain polychlorinated biphenyls (PCBs); drums or areas where hazardous materials were used, stored, or disposed; stained surfaces and soils; and stressed vegetation, leaks, and odors. In addition, neighboring properties were viewed, but only from public rights-of-way, to identify similar concerns.
- Readily available geological and groundwater (hydrogeological) information was evaluated to assist in determining the potential for contamination migration (including in soil, soil vapor and/or groundwater) within, from and onto the Subject Property.
- The reconnaissance of the proposed improvement areas included observation of any readily visible suspect asbestos-containing materials (ACM) and potential lead-based paint. However, no samples were collected or analyzed, and this reconnaissance provides neither definitive nor exhaustive information.
- A state database of County-level radon concentrations was used to determine typical indoor radon levels and compare them to United States Environmental Protection Agency (USEPA) guidelines.

- Historical aerial photographs, fire insurance maps, topographic maps and City Directories for the Subject Property and nearby sites were reviewed to evaluate historical land uses.
- The following federal regulatory databases were reviewed to determine the regulatory status of the Subject Property and other properties within the ASTM-defined radii: the National Priority List (NPL); Superfund Enterprise Management System (SEMS), including Superfund Enterprise Management System Archive (SEMS-ARCHIVE); Comprehensive Environmental Response, Compensation, and Liability Information System-No Further Remedial Action Planned (CERCLIS-NFRAP); Corrective Actions Report (CORRACTS); Resource Conservation and Recovery Information System (RCRIS); and Emergency Response Notification System (ERNS). Federal ASTM supplemental records reviewed included: Toxic Chemical Release Inventory System (TRIS); Superfund Consent Decrees (CONSENT); Records of Decision (ROD); National Priority List Deletions (Delisted NPL); and United States Brownfields (US BROWNFIELDS).
- The following state regulatory databases were reviewed to determine the regulatory status of the Subject Property and other properties within a predetermined radii: petroleum and hazardous material spills (SPILLS); Leaking Underground Storage Tanks (LTANKs/LUST); Registered Underground Storage Tanks (UST); Registered Aboveground Storage Tanks (AST); Solid Waste Facilities (SWF); Aerometric Information Retrieval System (AIRS); Tier 2 Information Listing (TIER 2); and Voluntary Remediation Program (VRP). Supplemental records included Registered Dry Cleaners/EDR Historic Cleaners, EDR Historic Auto Sites and Manufactured Gas Plant (MGP) Sites (Coal Gas) sites.

## 1.1 Selected Definitions

The following terms are used throughout this report and, for the purpose of clarity, corresponding definitions are provided. These terms are fully defined in ASTM E1527-21.

- *Recognized environmental condition (REC)* – (1) the presence of hazardous substances or petroleum products in, on, or at the Subject Property due to a release to the environment; (2) the likely presence of hazardous substances or petroleum products in, on, or at the Subject Property due to a release or likely release to the environment; or (3) the presence of hazardous substances or petroleum products in, on, or at the Subject Property under conditions that pose a material threat of a future release to the environment.
- *Controlled recognized environmental condition (CREC)* – a REC affecting the Subject Property that has been addressed to the satisfaction of the applicable regulatory authority or authorities with hazardous substances or petroleum products allowed to remain in place subject to implementation of required controls (for example, activity and use limitations or other property use limitations).
- *Historical recognized environmental condition (HREC)* – a previous release of hazardous substances or petroleum products affecting the Subject Property that has been addressed to the satisfaction of the applicable regulatory authority or authorities and meets unrestricted use criteria established by the applicable regulatory authority or authorities without subjecting the Subject Property to any controls (for example, activity and use limitations or other property use limitations).
- *Business environmental risk (BER)* – a risk which can have a material environmental or environmentally-driven impact on the business associated with the current or planned use of *commercial real estate*, not necessarily related to those environmental issues required to be investigated in this practice.
- *Significant Data Gap* – A data gap that affects the ability of the environmental professional to identify a REC.

- *Vapor Encroachment Condition (VEC)* – The presence or likely presence of chemical of concern vapors in the subsurface of a property caused by the release of vapors from contaminated soil, groundwater, or both, either on or near the property.

# 2.0 PHYSICAL SITE DESCRIPTION

## 2.1 Defined Project Areas and Scope Limitations

As previously indicated, the Subject Property is under consideration for a series of improvements to upgrade the existing General Aviation (GA) facility for commercial airline service. Under the PEA, 13 projects have been proposed for overall improvements at HEF. Each of the 13 projects are listed below based upon the projected construction year(s) and long-term upgrade goals for HEF. These projects are described, as follows:

| Program Tier: Construction Year Start-End | PEA Project Number | Program Project Name |
|---|---|---|
| Tier 1: 2025-2025 | 1 | Terminal Parking Lot Rehabilitation, Expansion and Parking Garage |
| Tier 1: 2025-2025 | 2 | Terminal Building Expansion (north and south) |
| Tier 1: 2025-2025 | 3 | Economy Parking Lot #1 Construction |
| Tier 1: 2026-2028 | 4a | Runway 16L/34R Reconstruction and Strengthening |
| Tier 1: 2028-2029 | 5a | Taxiway B Reconstruction and Strengthening (South of the Bridge) |
| Tier 1: 2025-2027 | 6 | East Ramp Strengthening, Reconfiguration, and Rehabilitation |
| Tier 1: 2026-2027 | 8 | Construction of a new Snow Removal Equipment Building |
| Tier 1: 2025-2026 | 12 | Bridge Strengthening - Runway 16L/34R and Taxiway Bravo |
| Tier 2: 2030-2032 | 4b | Runway 16L/34R Widening |
| Tier 2: 2030-2033 | 5b | Taxiway Bravo Widening |
| Tier 2: 2034-2035 | 7 | Construction of a new Aircraft Rescue and Fire Fighting (ARFF) Facility |
| Tier 2: 2031-2033 | 9 | Construction of a new East Ramp Taxiway |
| Tier 2: 2032-2035 | 10 | Construction of new Expanded East Ramp and Taxilane between Taxiway Delta and Echo |
| Tier 2: 2032-2033 | 11 | Construction of an Aircraft Deicing Pad and Apron Expansion between Taxiways Delta and Echo |
| Tier 2: 2030-2033 | 13 | Taxiway Echo Fillet Widening |

The individual project areas are depicted on Figure 2.

Given the size of the Subject Property, each individual project area was visually inspected and evaluated as part of the scope of this Phase I ESA. Portions of HEF that fall outside of the individual project areas were not visually inspected as part of the site reconnaissance; however, the areas were evaluated holistically as part of the overall airport using historic resources and regulatory agency database listings.

## 2.2 General Site Conditions

*General Conditions*

On August 14, 2024, Mr. Bryan Murty and Ms. Claire Bearden of AKRF conducted a visual reconnaissance of the Subject Property. The weather was mostly sunny and approximately 84°F, the visibility good, and the premises adequately illuminated by natural light. Photographs from the reconnaissance are included in Appendix A. Details of the Subject Property are shown on Figure 2.

The Subject Property consisted of an approximately 340-acre area of the Manassas Regional Airport (HEF), including a runway and taxiway, aircraft hangars, storage buildings, aircraft staging aprons and tarmac, airport maintenance building, main terminal building, fuel farm, and air traffic control tower. At the time of the reconnaissance, the Subject Property was active with incoming and outgoing mostly private and government aircraft. AKRF personnel were escorted by Mr. Richard Allabaugh, City of Manassas Senior Airport Operations Officer, for the duration of the visual inspection. Observations of the PEA project areas are summarized below.

*PEA Project #1 – Terminal Parking Lot*

The area of PEA Project #1 was comprised of an approximately 20,000 square-foot asphalt paved parking lot with approximately 20,000 square-feet of vacant grass-covered land to the east and 37,500 square-feet of vacant grass-covered land to the south. Vehicles were observed to be parked in the parking lot with no significant signs of staining or odors. A stormwater drainage swale was observed along the eastern portion of the grass-covered areas. No stressed vegetation was observed within the grass-covered areas.

*PEA Project #2 – Terminal Building*

The PEA Project Area 2 consisted of a two-story terminal building constructed of brick, steel, and glass, with approximately 10,000 square-feet of grass-covered land to the north and south. According to the dedication placard observed in the terminal lobby, the building was constructed circa 1996. The terminal building consisted of a main lobby and waiting area, offices and conference spaces, mechanical room, and boiler room. According to Mr. Allabaugh, the boiler had been upgraded with a Lochinvar FTXL™ Fire Tube Boiler within the last five years. No signs of staining or a release was observed within the boiler room. According to Mr. Allabaugh, utilities servicing the building included electric, water, natural gas and sanitary sewer.

*PEA Project Areas 3 – Future Satellite Parking Lot*

The PEA Project Area 3 is comprised of tree-covered land. Cannon Branch was located east adjacent to Area 3. No evidence of staining, stressed vegetation, debris or dumping were observed.

*PEA Project Area 4 – Runway 16L/34R*

The PEA Project Area 4 was occupied by an asphalt and concrete-paved aircraft runway. The runway was observed to be in good condition with no signs of staining or cracking. Visual inspection was limited as the inspection of the runway was performed from a vehicle for safety and security reasons.

*PEA Project Area 5 – Taxiway B*

The PEA Project Area 5 was occupied by an asphalt and concrete-paved aircraft taxiway, east adjacent to the aircraft runway. The taxiway was observed to be in good condition with no visual evidence of staining or cracking.

*PEA Project Area 6 – East Ramp Tarmac*

The PEA Project Area 6 was occupied by an asphalt-paved tarmac used for aircraft staging. The east ramp tarmac was observed to be in good condition with no evidence of staining. Areas of wet asphalt were observed reportedly caused by shallow groundwater conditions according to Mr. Allabaugh. A concrete-paved stormwater swale was observed along the western perimeter of PEA Project Area 6.

*PEA Project Areas 7, 10, and 11 – Future ARFF Facility, East Ramp Taxi Lane, and Aircraft Deicing Pad*

PEA Project Areas 7, 10, and 11 consisted of vacant, mounded grass-covered land to the north of the east ramp tarmac. PEA Project Area 7 contained a stormwater runoff system constructed of stone and a catch basin. The mounded, grass-covered land was reportedly constructed of fill material imported from a potential off-site source according to Mr. Allabaugh. No visual evidence of staining or stressed vegetation was observed.

*PEA Project Area 8 – Future Snow Equipment Storage Building*

The PEA Project Area 8 was comprised of vacant, mounded grass-covered land on the northern portion of the Subject Property along Observation Road. Similar to PEA Project Areas 7, 10 and 11, mounded, grass-covered land within Area 8 was reportedly constructed of fill material imported from a potential off-site source according to Mr. Allabaugh. No signs of staining or stressed vegetation were observed.

*PEA Project Areas 9 and 13 – East Ramp Taxiways*

PEA Project Areas 9 and 13 consisted of vacant, grass-covered land between the PEA Project Area 6 tarmac and Project Area 5 taxiway. A drainage swale with an open concrete culvert was located along the eastern perimeter of PEA Project Areas 9 and 13. No signs of staining or stressed vegetation were observed.

*PEA Project Area 12 – Runway and Taxiway Bridges*

The PEA Project Area 12 consisted of a culvert and concrete bridge structure that allows the eastern taxiway (PEA Project Area 5) and runway (PEA Project Area 4) to traverse over the Broad Run Tributary. Minor cracking within the concrete bridge structure was observed. No evidence of petroleum or discharge (sheens or product) was observed on the surface waters of Broad Run Tributary flowing beneath the runway and taxiway bridge.

Other Observations

*Strong, Pungent, or Noxious Odors*

No strong, pungent, or noxious odors indicative of a material release were observed at the Subject Property.

*Standing Surface Water and Pools or Sumps Containing Liquid*

No pools or sumps containing liquids potentially containing hazardous materials or petroleum were observed at the Subject Property. Standing surface water was observed on the eastern, southern, and western portions of the Subject Property in Broad Run Tributary and Cannon Branch, which was culverted beneath the runway and taxiway within PEA Project Area 12. A series of oil/water separators were located throughout the Subject Property which receive and convey stormwater runoff. All stormwater runoff was directed to the south through stormwater swales and ditches and was discharged to Broad Run Tributary, Cannon Branch, and eventually to the Potomac River. The discharge of stormwater was managed through Virginia Pollutant Discharge Elimination System (VPDES) General Permit #VAR050985. The 2024 VPDES permit, Stormwater Pollution Prevention Plan (SWPPP), and Spill Prevention Control and Countermeasure (SPCC) Plan are included in Appendix G.

*Pits, Ponds, and Lagoons*

No pits, ponds, or lagoons were observed at the Subject Property.

*Storage Containers or Drums*

No drums or containers were observed within the PEA Project areas at the Subject Property. Plastic 55-gallon drums of National Foam Aer-O-Water 3EM aqueous film-forming foam (AFFF) were observed inside the Aircraft Rescue Fire Fighting (ARFF) truck storage building C3, located south adjacent to PEA Project Area 6. The manufacturer's specification for the AFFF states that the product contains PFAS (see Section 2.10).

Additionally, a tank farm was observed along Wakeman Drive to the north of PEA Project Area 3. ASTs are further discussed in Section 5.2.2. No signs of staining, stressed vegetation, dumping or other evidence of a material release was observed at the Subject Property during the reconnaissance.

## 2.3 Topography and Hydrogeology

Based on reports compiled by the U.S. Geological Survey, including Manassas, Nokesville, Independent Hill, and Gainesville Quadrangles, the Subject Property is situated at an elevation of approximately 180 to 200 feet above the National Geodetic Vertical Datum of 1929 (an approximation of mean sea level). Further, the FAA Airport Layout Plan (ALP) indicates an elevation of 102 feet above mean sea level (amsl). The approximate depth to the water table is anticipated to be within 10 to 15 feet below grade (bg) based on regulatory database information, topography and statements made by HEF personnel. Groundwater is anticipated to flow toward the nearest surface water body, in a southerly or southeasterly direction towards Broad Run Tributary. However, actual water table depth and groundwater flow direction can be affected by many factors. Groundwater flow direction at the Subject Property may be influenced by stormwater inlets, and other subsurface utility trenches in the area. Groundwater in the City of Manassas is not used as a source of potable water.

## 2.4 Storage Tanks

A jet fuel tank farm associated with aircraft and maintenance vehicles was observed along Wakeman Drive to the north of PEA Project Area 3. ASTs are further discussed in Section 5.2.2. No signs of staining, stressed vegetation, dumping or other evidence of a material release was observed at the Subject Property during the reconnaissance. Off-site USTs and ASTs are similarly discussed in Section 5.2.2.

## 2.5 Polychlorinated Biphenyls (PCBs) and Mercury

Until 1979, polychlorinated biphenyls (PCBs), which provided beneficial insulating properties, were used in a variety of products, in particular electrical equipment such as transformers, capacitors, dielectric fluids, fluorescent light fixtures, and voltage regulators, but also in hydraulic fluids and some other products such as caulking.

Due to the age of the structures at the Subject Property, PCBs may be present within on-site structures or within fill materials.

## 2.6 Lead-Based Paint

Lead-based paint was generally not used inside residential buildings after 1977 nationwide. After 1977, its use inside commercial structures was also restricted and its use elsewhere became less common, but lead-based paint may still sometimes be used outdoors. Lead-based paint can present a hazard, particularly to children, especially when it is in poor condition.

Due to the age of the structures at the Subject Property, LBP may be present within on-site structures or within fill materials.

## 2.7 Utilities

According to Mr. Allabaugh, utilities servicing the Subject Property included electric, water, gas, and sanitary sewer.

- Water and electric service is provided by the City of Manassas Utility Department;
- Natural gas is provided by Washington Gas/Columbia Gas; and
- Sanitary sewer service is provided by the City of Manassas Water and Sewer Department.

Mr. Allabaugh indicated fuel oil was not currently used as a heating source.

## 2.8 Waste Management and Chemical Handling

Two general refuse dumpsters were observed at the southern end of the entrance driveway (Harry J Parrish Boulevard), approximately 360 feet southeast of the main terminal building, which are reportedly serviced by a private waste hauler (American Disposal). No visual evidence of dumping or hazardous waste generation were observed during the reconnaissance.

## 2.9 Radon

Radon is a colorless, odorless gas most commonly produced by the radioactive decay of certain rocks. The Environmental Protection Agency (EPA) classifies radon risk areas as Zones 1, 2 or 3. Based on the Virginia radon risk map produced by the EPA in 1994, Virginia has 46 counties and 15 cities that are classified as Zone 1 (highest potential greater than 4.0 picocuries/liter), including the City of Manassas. The map was based on a very limited number of radon test results, existing knowledge of surface geological features/layers, and measurements of background radiation. This map was not intended to be used for predictive purposes, but only to provide a rough estimate of the chances of encountering high indoor radon levels in a particular jurisdiction.

## 2.10 Emerging Contaminants

In April 2024, emerging contaminants, per- and polyfluoroalkyl substances (PFAS), were designated as "hazardous substances" by the USEPA under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA).

PFAS are a class of emerging contaminant chemicals found in fire-suppression foam, fire and stain retardants, water repellant materials, non-stick coatings, and many other materials (e.g., cosmetics and personal care products, etc.). PFAS may discharge to the environment through releases during manufacturing, wastewater discharges from industrial and commercial processes involving PFAS-containing products, or the use of fire-suppression foam during an emergency response.

Current and historical uses of the Subject Property and adjoining/surrounding properties were reviewed to identify potential sources of PFAS at or around the Subject Property. The regulatory agency database report was also reviewed to determine if the Subject Property or any nearby facilities potentially used and/or stored fire suppression foam.

Recent 2020 and 2021 AFFF spills were investigated and were reported to not have released PFAS compounds in the spill areas (as discussed in Section 5.2.2). During the reconnaissance, Mr. Allabaugh had no knowledge of the historical presence of PFAS at the Subject Property; however, plastic 55-gallon drums of National Foam Aer-O-Water 3EM AFFF were observed inside the ARFF truck storage building C3, located south adjacent to PEA Project Area 6. The label on the drum as well as manufacturer's specification for the AFFF states that the product contains PFAS.

The Subject Property has historically been utilized as an airport since at least 1965. Given the extended use of the Subject Property for General Aviation operations, there is a potential that PFAS may have historically been utilized in AFFF. Same has the potential to have impacted subsurface environmental conditions.

# 3.0 ASBESTOS-CONTAINING MATERIALS (ACM)

Asbestos refers to a group of natural minerals that provide good fire resistance and insulation. Asbestos is also commonly found in vinyl flooring, plaster, sheetrock, joint compound, ceiling tiles, roofing materials, gaskets, mastics, caulks and other products. Materials containing more than one percent asbestos are considered asbestos-containing materials (ACM). ACM are classified as either friable (i.e., more readily release fibers, such as most spray-applied fireproofing) or non-friable (such as floor tiles).

Regulatory requirements for ACM (or suspect ACM until proven not to be ACM) include maintenance requirements and, prior to any renovation or demolition, inspection/sampling by a certified asbestos inspector to determine if the project will disturb ACM. Any such ACM (and any other ACM subsequently identified) must be removed prior to the renovation or demolition. No building or site features with the potential to be considered ACM were observed during the site reconnaissance. Due to the age of the current terminal building (PEA Project Area 2), constructed in 1996, it is unlikely ACM was present within the building; however, ACM may be present within older structures on the Subject Property, which were not inspected during the site reconnaissance. In addition, there is a potential for fill materials located within the project area(s) that were reportedly imported from an off-site source to contain construction and demolition (C&D) debris containing ACM.

# 4.0 ADJACENT LAND USE

The Subject Property parcels were bounded to the north by VRE rail line and Broad Run Station, followed by various commercial and industrial properties; to the east by tree-covered land and Cannon Branch, followed by Prince William Parkway and commercial, industrial and residential properties; to the south by Broad Run Tributary, followed by vacant land, commercial and residential properties; and to the west by tree-covered and vacant land, and Bristow Road. The surrounding area was comprised of mixed-use commercial, residential and industrial buildings.

# 5.0 PROPERTY HISTORY AND RECORDS REVIEW

## 5.1 Prior Ownership and Usage

### 5.1.1 Historical Sanborn Fire Insurance Maps

A search was conducted by Environmental Data Resources, Inc. (EDR) to provide historical Sanborn Fire Insurance Maps of HEF adjacent areas, but no map coverage was available. A copy of the Sanborn search is included in Appendix B.

### 5.1.2 Historical Aerial Photographs

A review of historic aerial photographs provided by EDR from 1937, 1954, 1962, 1965, 1979, 1981, 1989, 1994, 2005, 2008, 2011, 2014, and 2018 was completed.

Based on the review of historical aerial photographs, the Subject Property consisted of agricultural fields and wooded areas until at least 1962. The existing rail line to the north of the Subject Property was in its current location as early as 1937. A single presumably residential structure was located in the central portion of the 1954 photograph, within the location of the current PEA Project Areas 7, 10 and 11. By 1965, a single runway, staged aircraft, and four structures were present on the Subject Property in the southwest portions, with the surrounding area remaining mostly undeveloped or of agricultural uses, including the eastern portions of the Subject Property. The residential structure remained approximately 1,500 feet east of the runway. The Subject Property was subsequently developed with additional buildings and staging areas constructed on the western portion of the Subject Property from 1979 through 1981. Development of the eastern portion of the Subject Property began circa 1981 with the construction of the taxiway and additional tarmac area (PEA Project Areas 6 and 9). The residential structure was no longer present in the 1981 photograph. Several of the existing rectangular storage buildings and land disturbance areas appeared in the eastern portion of the Subject Property by 1989, and fuel farm was present in its current location by 1994. Between 1994 and 2005, the main terminal building was constructed on the eastern portions of the Subject Property. Development associated with the airport continued in the northeastern portion of the Subject Property from 1994 through 2011 with the construction of additional roadways, private airway tenant hangars and ancillary buildings. The Subject Property remained generally consistent with its current configuration from 2011 through 2018.

Historical aerial photographs are provided in Appendix C.[1]

### 5.1.3 Historical Topographic Maps

Historical USGS topographic maps were provided by EDR for the years 1894, 1943, 1944, 1951/1953, 1966, 1977, 1983/1984, 1994, 2013, 2016, 2019, and 2022.

The Subject Property appeared at an elevation between 180-200 feet above mean sea level (AMSL) and undeveloped on the 1894 through 1951/1954 topographic maps. A rail line was shown to the north of the Subject Property and Broad Run and Cannon Branch tributaries were shown in their current configurations to the east, south, and west of the Subject Property. HEF (then Manassas Municipal Airport [Davis Field]) first appeared on the Subject Property in the 1966 topographic map. The surrounding areas to the east, south,

[1] It should be noted the historical aerial photographs only depict the northern portions of the Subject Property. The southern portions of the Subject Property, including portions of PEA Project Areas 4 and 5, along with all PEA Project Area 12 were not depicted.

and west were sparsely developed with small, presumably residential structures through 1994. Areas to the north and northwest were developed with larger, presumably commercial and industrial buildings. The 1983/1984 and 1994 topographic maps showed the expansion of airport structures and roadways to the east and north, consistent with aerial photograph depictions. Between 1984 and 1994, the main runway and taxiway was extended further south and the runway bridge over Broad Run was presumably constructed. The airport was relabeled as Manassas Regional Airport / Harry P Davis Field in the 2013 topographic map. Wetland areas were depicted around Cannon Branch to the east and Broad Run Tributary to the west in the 2016-2022 maps.

The USGS historical topographic maps reviewed as part of this Phase I ESA are consistent with the historical aerial photographs reviewed. Copies of historical USGS topographic maps are included in Appendix D.

#### 5.1.4 Property Tax Files and Zoning Records

Based on the City of Manassas online interactive zoning and parcel map, the Subject Property was zoned as I-A (airport district).

#### 5.1.5 Recorded Land Title Records

Copies of title records were not provided to AKRF for review.

#### 5.1.6 Local Street Directories

A City Directory prepared by EDR was reviewed as part of this Phase I ESA (included in Appendix E). The City Directory consisted of the names of businesses located on-site and in adjacent properties, compiled from city and reverse telephone directories starting in 1934. Listings were identified for the target streets for the years 1986, 1992, 1995, 2000, 2005, 2010, 2014, 2017, and 2020.

The Subject Property was listed in the 2017 and 2020 City Directories as Aviation Adventures, Manassas Regional Airport (HEF), and Manassas Airport Lot 3 LLC at 10600 and 10330 Harry J Parrish Boulevard. Various industrial properties were noted along Harry J Parrish Boulevard and Residency Road in the vicinity of the Subject Property, including automotive repair, air distributing companies, construction and building companies, landscaping companies, electric companies, Virginia Department of Transportation (VDOT), and carpet and tire companies.

### 5.2 Regulatory Review

EDR of Shelton, Connecticut, was contracted to obtain information regarding the regulatory status of the Subject Property and the surrounding area. This information included records from databases maintained by the USEPA and Virginia Department of Environmental Quality (DEQ). The databases searched and associated radii were consistent with ASTM E1527-21.

#### 5.2.1 Federal

Federal ASTM standard records reviewed included: the National Priority List (NPL); Superfund Enterprise Management System (SEMS), including Superfund Enterprise Management System Archive (SEMS-ARCHIVE); Comprehensive Environmental Response, Compensation, and Liability Information System-No Further Remedial Action Planned (CERCLIS-NFRAP); Corrective Actions Report (CORRACTS); Resource Conservation and Recovery Information System (RCRIS); and Emergency Response Notification System (ERNS).

Federal ASTM supplemental records reviewed included: Toxic Chemical Release Inventory System (TRIS); Superfund Consent Decrees (CONSENT); Records of Decision (ROD); National Priority List Deletions (Delisted NPL); and United States Brownfields.

*National Priority List (NPL)*

The NPL is the USEPA's database of some of the most serious uncontrolled or abandoned hazardous waste sites identified for probable remedial action under the Superfund Program. These sites may constitute an immediate threat to human health and the environment. Due to the amount of public attention focused on NPL sites, they pose a significant risk of stigmatizing surrounding properties and potentially impacting property values.

The Subject Property was not listed in the NPL database, and no NPL facilities were listed within a one-mile radius of the Subject Property.

*Superfund Enterprise Management System (SEMS), including Superfund Enterprise Management System Archive (SEMS-ARCHIVE)*

The SEMS (formerly known as CERCLIS) list is a compilation of known and suspected uncontrolled or abandoned hazardous waste sites which are, or were, under investigation by USEPA but have not been elevated to the status of a Superfund (NPL) site. Former CERCLIS sites that have been granted the status of No Further Remedial Action Planned (NFRAP), currently known as Superfund Enterprise Management System Archive (SEMS-ARCHIVE) sites, are also included in this database.

The Subject Property was not listed in the SEMS or SEMS-ARCHIVE database. One SEMS facility, American Pecco Corporation located at 10108 Residency Road, was identified approximately 0.48 mile north-northwest of the Subject Property. The site was listed with a discovery date of August 22, 1986 and was designated as NFRAP based on existing information. No additional information was provided in the listing and there is no evidence in the EDR database report that suggests this site has a potential to have impacted subsurface environmental conditions at the Subject Property.

*Corrective Actions Report (CORRACTS)*

The CORRACTS database identifies hazardous waste handlers with RCRA corrective action activity.

The Subject Property was not listed in the CORRACTS database, and no CORRACTS facilities were identified within a one-mile radius of the Subject Property.

*Resource Conservation and Recovery Information System (RCRIS)*

This database lists sites that have filed notification forms regarding hazardous waste activity, including: treatment, storage and disposal facilities (TSDs); no longer regulated generators (Non-Gen); very small quantity generators (VSQG), small quantity generators (SQG), and large quantity generators (LQG); and transporters regulated under RCRA.

The Subject Property was identified in the RCRIS database under eight listings with the following information:

- Leidos, Inc. Hangars 1, 2, and 3 were each listed as individual SQGs for D001 Ignitable Waste in 2021 and 2022. No violations were reported.
- Colgan Air, located at 10677 Aviation Lane, was listed as a SQG for D001 Ignitable Waste, D035 Methyl Ethyl Ketone, and F005 Spent Nonhalogenated Solvents in 2002

and as RCRA NonGen facility in 2012. There were no unresolved RCRA violations associated with these listings.

- Asou Offsite, located at 10678 Aviation Lane, was listed as a CESQG for D001 Ignitable Waste in 2000. No violations were reported.
- Jet Services, Inc., located at 9998 Wakeman Drive, was listed as a CESQG for D001 Ignitable Waste, D018 Benzene, D039 Tetrachloroethylene, and D040 Trichloroethylene in 2000. One violation was reported in 2003 related to generators – general, with no additional information provided.
- Dulles Aviation, located at 10501 Observation Road, was listed as a VSQG for D001 Ignitable Waste, D002 Corrosive Waste, D008 Lead, D018 Benzene, F001 Spent Halogenated Solvents, U002 2-Propanone (Or) Acetone, U154 Methanol, and U159 2-Butanone (Or) Methyl Ethyl Ketone (MEK) in 2003. One general violation (resolved) was reported in 2003. No additional information was provided relating to this RCRA generator listing.
- T Hangars of VA, Inc., located at 10527 Terminal Road, was listed as a VSQG for F002 Spent Halogenated Solvents in 1998. No violations were reported.

Based upon the information provided in the EDR databases related to hazardous waste generation at the Subject Property, a history of solvent use at HEF has a potential to have impacted subsurface environmental conditions which constitutes a REC. Five additional RCRA Generator/Transporter listings were reported within a 1/4-mile radius of the Subject Property. Facilities with the potential to have affected the Subject Property, based on listing details and location, were identified as follows:

- Tri State Tours, located at 10680 Wakeman Court (roughly 400 feet north of the Subject Property) was listed as a SQG of various waste streams including benzene and tetrachloroethylene in 1992. This site is currently listed as a RCRA NonGen/NLR. No violations were reported.
- Virginia Department of Transportation (VDOT) Manassas, located at 10228 Residency Road (roughly 600 feet north of the Subject Property) was listed as a VSQG of various waste streams including benzene, tetrachloroethylene, and trichloroethylene in 1991. Violations were reported in 1990, 1994, and 1998 related to generator requirements. These violations were resolved and no additional information was provided.
- Earls Auto Body, located at 10597 Redoubt Road (roughly 600 feet north of the Subject Property) was listed as a VSQG of various waste streams including spent nonhalogenated solvents in 2014. No violations were reported.

Based on their locations or listing details (i.e., waste type and/or regulatory status), the remaining listed RCRA facilities are not anticipated to have affected environmental conditions at the Subject Property.

Details of the listings are included in Appendix D.

*Emergency Response Notification System (ERNS)*

This federal database, compiled by the Emergency Response Notification System, records and stores information on certain reported releases of petroleum and other potentially hazardous substances.

The Subject property was not listed in the database and no ERNS listings were identified on the Subject Property or adjacent areas.

*Toxic Chemical Release Inventory System (TRIS)*

The TRIS contains information reported by a variety of industries on their annual estimated releases of certain chemicals.

The Subject property was not listed in the database and no TRIS sites were identified within a ⅛-mile radius of the Subject Property.

*Superfund Consent Decrees (CONSENT)*

Superfund consent decrees are major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. These decrees are periodically released by the United States District Courts after settlement by parties to litigation matters.

The Subject property was not listed in the database and no CONSENT sites were identified within a one-mile radius of the Subject Property.

*Perfluoroalkyl Substances (PFAS ECHO)*

Regulators and the public have expressed interest in knowing which regulated entities may be using PFAS. The USEPA has developed a data set from various sources that show which industries may be handling PFAS. Approximately 120,000 facilities subject to federal environmental programs have operated or currently operate in industry sectors with processes that may involve handling and/or release of PFAS.

No PFAS ECHO sites were identified within a ¼ mile radius of the Subject Property; however, it should be noted the Subject Property has historically been utilized as a general aviation facility since at least 1965 and the technical specification for the AFFF used at the Subject Property during the reconnaissance indicated it was PFAS-containing. As such, the usage of PFAS at the Subject Property is considered a REC.

*Records of Decision (ROD)*

ROD documents mandate permanent remedies at NPL sites and contain technical and health information to aid in the cleanup.

The Subject property was not listed in the database and no ROD sites were identified within a one-mile radius of the Subject Property.

*National Priority List Deletions (Delisted NPL)*

This database described former NPL sites that are removed from the NPL list by the US EPA. The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establish the criteria used by the EPA to delist sites where no further federal response is needed.

The Subject property was not listed in the database and no Delisted NPL sites were identified within a one-mile radius of the Subject Property.

*US Brownfields*

The US Brownfields program is for properties that report cleanups to the EPA and are served by Brownfields grant programs.

The Subject property was not listed in the database and no US Brownfields sites were identified within a ½-mile radius of the Subject Property.

### 5.2.2 State

The state records reviewed included the listings of VA-DEQ Pollution Prevention Program (PREP) hazardous material spills (SPILLS); Leaking Underground Storage Tanks

(LTANKs/LUST); Registered Underground Storage Tanks (UST); Registered Aboveground Storage Tanks (AST); Solid Waste Facilities (SWF); Aerometric Information Retrieval System (AIRS); Tier 2 Information Listing (TIER 2); and Voluntary Remediation Program (VRP). Supplemental records included Registered Dry Cleaners/EDR Historic Cleaners, EDR Historic Auto Sites and Manufactured Gas Plant (MGP) Sites (Coal Gas) sites.

*SPILLS*

The Virginia DEQ's Pollution Response Program, known as PREP, provides for responses to air, water, and waste pollution incidents to protect human health and the environment. This database includes releases reported to the VA DEQ.

A total of 15 listings identified in the SPILLS database were associated with the Subject Property. No additional SPILLS listings were identified within a ½-mile radius of the Subject Property. Pertinent spill listings included:

- Spill No. 293717 (and associated reference IDs 293715 and 293719) was reported due to an accidental release of 150-175 gallons of AFFF at Leidos Hangar on February 7, 2020. It was reported that an unknown quantity had spread across Wakeman Drive and into the Cannon Branch. Prince William County hired HEPACO to conduct the cleanup. The spill was listed as closed and that appropriate compliance actions were completed and verified by VA-DEQ.
- Spill No. 300725 was reported due to an accidental release of an unknown quantity of AFFF at Leidos Hangar on August 27, 2021. It was reported that the spill did not reach any surface water bodies and was contained to the inside of the hangar and hangar concrete apron. Leidos hired First Call Environmental to complete the cleanup. The runoff was contained utilizing a vacuum truck, and the liquid was properly disposed. It was reported that the foam did not contain fluorocarbons and appropriate compliance actions were completed and verified by VA DEQ. The spill was listed as closed with a date of April 5, 2022.
- Spill No. 257955 was reported due to a release of jet fuel from a leaking 55-gallon drum on January 24, 2003. It was reported that the drum leaked into the oil water separator at the tank farm and did not reach the outfall. The spill was listed as closed with a date of June 19, 2006.
- Spill No. 305581 was reported due to a release of approximately 22 gallons of jet fuel to the tarmac on July 9, 2022. No surface water or soil impacts were reported. The spill was listed as closed and that appropriate compliance actions were completed and verified by VA DEQ.
- Spill No. 255831 was reported due to a release of approximately one gallon of jet fuel from the dispenser hose at the tank farm on December 20, 2002. It was reported the jet fuel entered a storm drain and was released into a creek. The spill was listed as closed with a date of January 27, 2003.
- Spill No. 254477 was reported due to a release of approximately 15-20 gallons of hydraulic oil from a hydraulic hose break on July 10, 2003. The spill was listed as closed with a date of July 11, 2003.
- Spill No. 310422 was reported due to a release of approximately 25 gallons of aviation fuel due to heavy winds flipping aircraft while tied down. Airport staff placed absorbent booms and pellets to contain spill to tarmac. The spill was listed as closed and that appropriate compliance actions were completed and verified by VA DEQ.

- Spill No. 256093 was reported due to a release of approximately 65 gallons of aviation fuel east of runway 16-R, caused by a plane crash upon takeoff on September 2, 2003. The spill was listed as closed with a date of September 3, 2003.
- A spill was reported due to a suspected line leak from an AST of aviation fuel on August 8, 1990 (no spill number provided). It was reported that groundwater was affected. No spill closure date was listed.
- A spill was reported due to a suspected line leak from an AST of jet fuel on August 16, 1990 (no spill number provided). It was reported that groundwater was affected. No spill closure date was listed.
- A spill was reported due to a release jet fuel from a hose that reached a storm drain and Broad Run Tributary on December 9, 1986 (no spill number provided). It was reported that groundwater was affected. No spill closure date was listed.

Details from all reported spills are included in Appendix D. In an effort to obtain additional information relating to the above-listed spill incidents, AKRF requested spill records maintained by the Airport and City of Manassas. Records provided by HEF relating to on-site releases are described further in Section 5.2.3 of this Phase I ESA.

Based upon information provided in the EDR database report, groundwater may have been affected from previous releases. The potential for residual groundwater contamination from previous spill incidents constitutes a REC.

*LTANKS/LUST*

This database includes releases of petroleum from underground storage tanks and aboveground storage tanks.

Four listings associated with the Subject Property were identified in the LTANKS/LUST database. Limited information was available for three of the listings. However, each of the LTANKS/LUST incidents were closed by the VA DEQ. Pollution Complaint No. 20213148 reported a leaking Category 1 Heating Oil UST on February 26, 2021. The case was listed as closed on May 14, 2021, with no additional information provided.

Seven additional listings were reported within a half-mile radius of the Subject Property. Limited information was available for these listings. As each of the LTANKS/LIST incidents were closed by VA DEQ, the listings are not considered a REC, but are considered an HREC.

*TIER 2*

This database lists facilities which store or manufacture hazardous materials and submit a chemical inventory report to the VA DEQ.

Six listings associated with the Subject Property were identified in the TIER 2 database. TIER 2 listings included storage of aviation gas, jet fuel, kerosine, hydrodesulfurized kerosine, light alkylate naptha, isomerization naptha, toluene, and no. 1, 2, 4, 5, and 6 fuel oil. This database does not indicate releases or spills associated with the storage of hazardous materials. Additional information relating to the storage of petroleum and hazardous materials is included throughout this Phase I ESA.

*Underground Storage Tanks (UST)*

This database lists facilities that registered having underground petroleum tanks with the VA DEQ.

USTs associated with the Subject Property are included below:

**Subject Property Underground Storage Tanks**

| Name | Tank ID | Capacity (gallons) | Contents | Status |
|---|---|---|---|---|
| Aurora Flight Sciences | 1 | 500 | Used Oil | Removed from ground (no date listed) |
| Manassas Regional Airport | COLGAN-1 | 4,000 | Gasoline | Closed in ground (no date listed) |
| | COLGAN-2 | 4,000 | Gasoline | Closed in ground (no date listed) |
| | COLGAN-3 | 4,000 | Gasoline | Closed in ground (no date listed) |
| | COLGAN-4 | 4,000 | Gasoline | Closed in ground (no date listed) |
| | COLGAN-5 | 10,000 | Jet Fuel | Closed in ground (no date listed) |
| | COLGAN-6 | 550 | Unknown | Closed in ground (no date listed) |
| | COLGAN-7 | 275 | Unknown | Closed in ground (no date listed) |
| | COLGAN-8 | 275 | Unknown | Closed in ground (no date listed) |
| | DULLESAV-1 | 10,000 | Aviation Gas | Closed in ground (no date listed) |
| | DULLESAV-2 | 10,000 | Aviation Gas | Closed in ground (no date listed) |
| | DULLESAV-3 | 12,000 | Jet Fuel | Closed in ground (no date listed) |
| | DULLESAV-4 | 2,000 | Gasoline | Closed in ground (no date listed) |
| | DULLESAV-5 | Not reported | Heating Oil | Permanently out of use (no date listed) |

Although the EDR database report indicates the above-listed USTs were closed-in-place, according to Mr. Allabaugh, each of the above-listed USTs were removed in accordance with applicable requirements. Given the location of the tank farm and presumed groundwater flow direction, it is not anticipated that potential historical releases from these USTs have affected the PEA Project areas.

With regard to off-site USTs, a VDOT facility is located 0.1 miles to the northwest of the Subject Property at 10228 Residency Road, and MCC1 is located 0.18 miles to the southeast of the Subject Property at 10880 Airman Avenue. Tank inventories provided in the EDR database report are provided for these facilities, below.

**Off-Site Underground Storage Tanks**

| Name | Tank ID | Capacity (gallons) | Contents | Status |
|---|---|---|---|---|
| Virginia Department of Transportation (VDOT) | 1 | 10,000 | Diesel | In Use |
| | 2 | 10,000 | Gasoline | In Use |
| | R1 | 2,000 | Gasoline | Removed from ground (no date listed) |
| | R2 | 2,000 | Gasoline | Removed from ground (no date listed) |

| Name | Tank ID | Capacity (gallons) | Contents | Status |
|---|---|---|---|---|
| | R3 | 2,000 | Diesel | Removed from ground (no date listed) |
| | R4 | 2,000 | Kerosene | Removed from ground (no date listed) |
| MCC1 | UST1 | 50,000 | Low Sulfur Diesel | In Use |
| | UST2 | 50,000 | Low Sulfur Diesel | In Use |
| | UST3 | 50,000 | Low Sulfur Diesel | In Use |
| | UST4 | 50,000 | Low Sulfur Diesel | In Use |

The database does not indicate any releases or spills associated with these USTs and there is no evidence that suggests these listings have impacted subsurface environmental conditions at the Subject Property. Details of all UST listings are included in Appendix D.

*Aboveground Storage Tanks (ASTs)*

This database lists facilities that registered having aboveground petroleum tanks with the VA DEQ.

ASTs associated with the Subject Property are included below:

**Subject Property Aboveground Storage Tanks**

| Name | Tank ID | Capacity (gallons) | Contents | Status |
|---|---|---|---|---|
| Gateway Generation | Daytank-1 | 1,000 | Diesel | In Use |
| | Gateway-1 | 10,000 | Diesel | In Use |
| Manassas Regional Airport | T001 | 12,000 | Jet Fuel | In use |
| | T002 | 20,000 | Jet Fuel | In use |
| | T003 | 15,000 | Aviation Gas | In use |
| | T005 | 20,000 | Jet Fuel | In use |
| | T006 | 15,000 | Aviation Gas | In use |
| | T007 | 20,000 | Jet Fuel | In use |
| | T008 | 15,000 | Aviation Gas | In use |
| | T009 | 20,000 | Jet Fuel | In use |
| | T010 | 20,000 | Jet Fuel | In use |
| | T011 | 1,000 | Gasoline | Dismantled (1/1/2019) |
| | T011A | 1,000 | Diesel | In use |

The AST tank farm was visually inspected by AKRF personnel during the reconnaissance. No staining or evidence of a release was observed; however, listings related to the tank farm in the SPILLS database indicate historical releases have occurred; however, each of the releases were closed in accordance with VA DEQ regulatory requirements. Details related to off-site tank listings are provided below.

With regard to off-site ASTs, a VDOT facility is located 0.1 miles to the northwest of the Subject Property at 10228 Residency Road. An AST inventory provided in the EDR database report are provided for this facility, below.

**Off-Site Aboveground Storage Tanks**

| Name | Tank ID | Capacity (gallons) | Contents | Status |
|---|---|---|---|---|
| Virginia Department of Transportation (VDOT) | 3 | 1,000 | Heating Oil | In Use |

The database does not indicate any releases or spills associated with these ASTs and there is no evidence that suggests these listings have impacted subsurface environmental conditions at the Subject Property. Details of all AST listings are included in Appendix D.

*Solid Waste Facilities (SWF)*

This database includes certain landfills, incinerators, transfer stations, recycling centers, and other sites that manage solid waste.

The Subject property was not listed in the database and no SWF facilities were listed within a ½-mile radius of the Subject Property.

*State Voluntary Remediation Program*

The Voluntary Remediation Program (VRP) encourages hazardous substance cleanups that might not otherwise take place. The program is a streamlined mechanism for site owners or operators to voluntarily address contamination sites with support from VA DEQ. The main goals are site redevelopment and enhanced environmental outcomes.

The Subject property was not listed in the database and no VRP sites were identified within a ½-mile radius of the Subject Property.

*Registered Dry Cleaners/EDR Historic Cleaners*

The registered dry cleaners database was researched to identify listings within one-quarter mile of the Site. As a supplement to the registered dry cleaners database, EDR's proprietary listing of potential drycleaner sites (listings based on the opinion of EDR) was also reviewed.

The Subject property was not listed in the database and no Registered Dry Cleaners or EDR Historic Cleaners were listed within a ½-mile radius of the Subject Property.

*EDR Historic Auto Sites*

The EDR US Historic Auto Station database was researched to identify listings for the Subject Property and within a ⅛-mile radius of the Subject Property. This database lists properties that might include gas/filling station establishments based on EDR's search of select national business directories.

The Subject property was not listed in the database and no EDR historic auto sites were listed within a ⅛-mile radius of the Subject Property

*Manufactured Gas Plant (MGP) Sites (Coal Gas)*

The EDR manufactured gas plant (MGP) database was researched to identify listings for the Subject Property and potential facilities within a one-mile radius of the Subject Property.

The Subject property was not listed in the database and no EDR MGP sites were identified within a ⅛-mile radius of the Subject Property.

*Facility and Manifest Data (MANIFEST)*

The MANIFEST [New Jersey (NJ), Pennsylvania (PA), and E-Manifest] database tracks hazardous waste from a generator through transporters to a TDS facility.

The Subject Property was identified in the E-MANIFEST database under ten listings with no additional information provided. Colgan Air and Asou Offsite, located at the Subject Property, were identified in the PA manifest database due to their status as a historical RCRA hazardous waste generator for the waste streams discussed in Section 5.2.1. These facilities do not presently generate hazardous waste.

The remaining MANIFEST facilities identified in the search radius were not anticipated to have impacted subsurface environmental conditions at the Subject Property due to their listing details and/or location.

*Aerometric Information Retrieval System (AIRS)*

The AIRS database contains an inventory of point-source emissions. The Subject Property was identified in the AIRS sites database under registration number 73642 for permitted emissions of nitrogen oxide, particulate matter, carbon monoxide, volatile organic compounds (VOC), and sulfur dioxide. No violations were reported. These listings are not indicative of a material release with the potential to have impacted subsurface environmental conditions at the Subject Property.

### 5.2.3 Local Agency File Review

At the request of the Client, no Freedom of Information Law (FOIL) requests were submitted to local, State and federal agencies that maintain pertinent regulatory records for the Subject Property. Alternatively, relevant electronic environmental records for the Subject Property were requested from the Airport, which is owned and operated by the City of Manassas.

Pertinent documents provided by the Airport are summarized, below:

*Manassas Regional Airport Oil Discharge Contingency Plan, 2019*

The Oil Discharge Contingency Plan (ODCP) associated with the on-site fuel farm was prepared to meet the requirements of Article 11 of the State Water Control Law of the Commonwealth of Virginia. The ODCP provides a tank inventory that is consistent with the EDR database report and AKRF's observations. The ODCP also provides a list of owners and operators of each tank, as well as roles and responsibilities in the event of a release. While the ODCP is not indicative of subsurface environmental conditions at the Subject Property, adherence to the ODCP provides preventative measures for the Airport and tenants to adhere to avoid releases.

*Hazardous Materials Incident Response Report, Prince William County Department of Fire and Rescue, February 7, 2020*

A Hazardous Material Incident Response Report (HMIRR) describing the release of High Expansion Firefighting Foam that occurred. The report describes an area of approximately 500-by-500 feet of foam released, with some areas as much as 15 feet deep. It is expected that the majority of the released firefighting foam entered into the storm drainage system given the magnitude. A Safety Data Sheet (SDS) was included with the HMIRR that

indicated the AFFF (Chemguard C2) was free of emerging contaminants (PFAS and 1,4'-dioxane).

*Incident Investigation Narrative, City of Manassas Fire and Rescue Department, February 7, 2020*

An Incident Investigation Narrative describing the release of High Expansion Firefighting Foam was provided, which indicated a flame sensor activated the firefighting suppression system causing the release of the foam. The sensor was inadvertently activated by an aircraft operating outside of the hangar. The release was classified as accidental.

To date, no additional electronic records have been provided for AKRF to review. Should any records be made available that affect the findings, conclusions and/or recommendations set forth in this Phase I ESA, an amended Phase I ESA will be issued, or an addendum will be prepared.

*Stormwater Pollution Prevention Plan (SWPPP) and Spill Prevention Control and Countermeasure Plan (SPCC), June 17, 2020*

A combined SWPPP and SPCC were provided for AKRF to review as part of this Phase I ESA. The SWPPP and SPCC plans indicate potential sources of contaminants relating to runoff and the storage of petroleum in the central fuel farm. A map of the fuel farm indicates each of the tanks and their capacity are enclosed with containment with an oil-water separator utilized to capture any product from runoff prior to discharge to the surrounding watershed. Copies of inspection logs for eDMRs and tank condition inspection logs are provided that HEF adheres to. While the SWPPP and SPCC Plan are not representative of existing subsurface environmental conditions, preventative measure were in-place to avoid illicit discharges and petroleum releases.

*City of Manassas Spill Report Form, August 27, 2021*

A spill report form was provided describing a partial discharge from a 300-gallon AFFF due to hangar doors being open. Approximately 700 gallons of Chemguard 2 and water were disposed of from the release incident.

*City of Manassas Spill Report Form, July 25, 2022*

A spill report form was provided describing a discharge of approximately ½ gallon of AFFF released to pavement. The spill report indicated the release was hosed down into a storm drain. The chemical composition of the AFFF described in the spill report indicated the material is free from PFAS or other emerging contaminants.

*Virginia Pollution Discharge Elimination System (VPDES) Permit VAR050985, effective July 1, 2024*

A VPDES permit to discharge stormwater to surrounding water bodies was provided by the Airport. The VPDES permit describes the discharge requirements along with sampling parameters for quarterly monitoring. No quarterly electronic discharge monitoring reports (eDMRs) were provided for AKRF to review associated with HEF's VPDES permit. While the VPDES permit provided was not representative of subsurface environmental conditions at the Subject Property, HEF indicated surface runoff from the Airport was strictly monitored in in accordance with the permit requirements.

Copies of the documents provided by the City of Manassas, owner and operator of the Airport are included in Appendix G.

### 5.2.4 Additional Environmental Record Sources

To enhance the search, ASTM requires that additional local records be reviewed (i.e., beyond those included as part of the standard database search or checked online) when, in judgment of the environmental professional, such records for the Subject Property or any adjoining property would be reasonably ascertainable; and useful, accurate and complete in light of the objective of the records review. These records include:

- Local brownfields lists
- Local lists of landfill/solid waste disposal sites
- Local lists of hazardous waste/contaminated Sites
- Local lists of registered tanks
- Local land records (for activity use limitations)
- Records of emergency release reports
- Records of contaminated public wells
- Sources for these records include:
- Fire Department
- Local/Regional Water Quality Agency
- Local Electric Utility (for PCB records)

In AKRF's judgment, no such additional local records meeting the ASTM criteria are pertinent for the Subject Property.

# 6.0 USER-PROVIDED INFORMATION

In preparing this Phase I ESA, AKRF requested that the Client provide any pertinent information in an ASTM E 1527-21 User Questionnaire regarding the Subject Property, specifically:

- The reason for performing the Phase I ESA;
- Whether they were aware of any pertinent current or historic activities at or near the Subject Property, including but not limited to: hazardous substances or petroleum, waste management practices, filling or disposal drains, septic/sewer systems, and potable and non-potable wells;
- Owner and occupant information and whether they were aware of any previous Phase I ESAs or other potentially pertinent reports, plans or information;
- Whether any *environmental liens* or *activity and land use limitations* are in place or filed or recorded against the Subject Property or whether there was pending, threatened, ongoing or past violations, litigation or enforcement action relevant to hazardous substances or petroleum products;
- Whether they had any specialized knowledge or experience related to the Subject Property or nearby properties (e.g., specialized knowledge of the chemicals used by this type of business);
- Whether the purchase price reflected that the Subject Property is or could be contaminated; and
- Whether they were aware of commonly known or reasonably ascertainable information about environmental conditions of the Subject Property including current/past uses of the Subject Property and adjacent properties.

A copy of the ASTM User Questionnaire was provided to Mr. Richard Allabaugh, Senior Airport Operations Officer. A copy of the completed User Questionnaire is included in Appendix H. As indicated on the completed User Questionnaire, Mr. Allabaugh indicated the current airport terminal was constructed in 1996. Mr. Allabaugh was not aware of any environmental liens or activity use limitations at the HEF property. Additional relevant information provided by Mr. Allabaugh is included throughout this Phase I ESA and on the completed User Questionnaire.

# 7.0 PREVIOUS STUDIES

No previous studies relating to existing environmental conditions relating to hazardous materials or subsurface conditions for the Subject Property were available for review.

# 8.0 POTENTIAL VAPOR SCREENING

A Tier 1 Vapor Encroachment Screening was conducted in accordance with ASTM Standard E2600-15, *Standard Guide for Vapor Encroachment Screening on Property Involved in Real Estate Transactions*. The term "Vapor Encroachment Condition" means the presence or likely presence of vapors from chemicals of concern (COC) in the subsurface of a property caused by the release of vapors on or near the property. The objective of the Tier 1 screening is to conduct a screen for vapor encroachment based on findings from the Phase I ESA to determine if a possible VEC exists at the Subject Property.

Based on AKRF's review of historical resources including regulatory database records, the Subject Property was identified in the RCRA database as a generator of petroleum and chlorinated solvents as detailed in Section 5.2.2. Although no releases of chlorinated solvents have been documented at the Subject Property based on the records AKRF has reviewed, there is a potential for undocumented and inadvertent releases to have occurred. Therefore, a potential VEC may exist at the Subject Property; however, it should be noted that the majority of the PEA Project Areas are not located within areas that were historically improved with occupiable structures or where maintenance activities have occurred.

# 9.0 LIMITATIONS AND DATA GAPS

This assessment met the requirements of the American Society for Testing and Materials (ASTM) as established by ASTM Standard E1527-21 at the time it was performed, with the following limitations:

- Results of this investigation are valid as of the dates on which the investigation was performed.
- Interviews and user provided information were limited to those discussed in Section 6.0. To the extent that interviews were not conducted with the list of interviewees cited in the ASTM Standard (past and present owners, operators, and occupants of the Subject Property and local government officials).
- The Subject Property area history was not conducted in five-year intervals. However, sufficient information about the history of the site and surrounding area could be obtained from the available historical Sanborn and topographic maps, Buildings Department records, and interviews, and this data gap is not likely to affect the findings, conclusions and/or recommendations set forth, herein.
- At the request of HEF, no FOIL requests were submitted for cognizant agency records. Agency File Reviews for the Subject Property and adjacent properties consisted of a review of standard databases and electronic records provided by the City of Manassas Regional Airport. AKRF believes that this file review was sufficient in determining the potential for environmental concerns. Based upon the information provided in the EDR databases related to hazardous waste generation at the Subject Property, a history of solvent use at HEF has a potential to have impacted subsurface environmental conditions which constitutes a RECs or other environmental concerns (ECs) at the Subject Property, and additional reviews beyond this are not warranted and would not likely change the conclusions of this assessment.

# 10.0 CONLCUSIONS

This Phase I ESA was performed in conformance with ASTM Standard E1527-21, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*. Any exceptions to, or deletions from, the Standards are described in Section 9.0. The term "Recognized Environmental Condition" or REC (as defined in the E1527-21 Standard) means (1) the presence of hazardous substances or petroleum products in, on, or at the Subject Property due to a release to the environment; (2) the likely presence of hazardous substances or petroleum products in, on, or at the Subject Property due to a release or likely release to the environment; or (3) the presence of hazardous substances or petroleum products in, on, or at the Subject Property under conditions that pose a material threat of a future release to the environment.

The Standards also include definitions of Historic REC (HREC), Controlled REC (CREC), and *De Minimis* Condition. A *De Minimis* Condition is defined as a condition that does not present a threat to human health or the environment and that generally would not be subject to enforcement action if brought to the attention of appropriate government agencies.

A summary of the assessment findings is presented below:

***RECs/VECs***

- The Subject Property has been utilized as an airport since at least 1965. Although HEF personnel had no knowledge of the current or historical presence of PFAS at the Subject Property, the technical specification and drum labels for the AFFF observed on the Subject Property stated it contained PFAS.
- A total of 15 listings identified in the SPILLS database were associated with the Subject Property. Four listings associated with the Subject Property were identified in the LTANKS/LUST database, with each of the LTANKS/LUST incidents closed by the Virginia Department of Environmental Quality (VA DEQ). No spill records have been provided to date. While the majority of the spill incidents were minor and were considered HRECs, based upon indications in the EDR database report that groundwater was affected, residual impacts to groundwater relating to several of the spill incidents may be present.
- Several RCRA generator listings for the Subject Property indicated generation of petroleum and solvent-related hazardous waste at the Site. While AKRF could not confirm the presence or use of solvents in aircraft maintenance operations, documented history of solvent generation under RCRA database listings has a potential to have impacted subsurface environmental conditions.
- Based on AKRF's review of historical resources including regulatory database records, the Subject Property was identified in the RCRA database as a generator of chlorinated solvents as detailed in Section 5.2.2. Although no releases of chlorinated solvents have been documented at the Subject Property based on the records AKRF has reviewed, there is a potential for undocumented and inadvertent releases to have occurred. Therefore, a potential VEC may exist at the Subject Property.

***Business Environmental Risks (including items outside the scope of ASTM E1527-21 such as asbestos containing material [ACM], lead-based paint [LBP], and/or polychlorinated biphenyls [PCBs] in building materials or fill/debris):***

ACM, LBP, and/or PCB-containing material may be present within older structures at the Subject Property or within fill materials located within the project area(s) that were reportedly imported from an off-site source.

# 11.0 RECOMMENDATIONS

Based on the conclusions of this Phase I ESA, AKRF recommends the following:

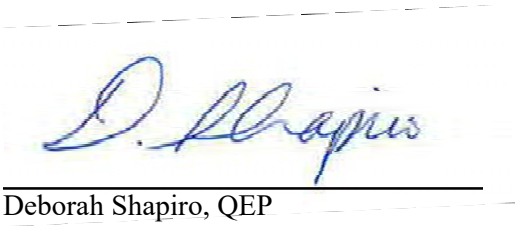
***Recommendations***

- The Subject Property is under consideration for a series of improvements (13 projects total) to upgrade the existing GA facility for commercial airline service. To minimize the potential for impacts on the community and construction workers during the future redevelopment, excavation and other construction work involving soil disturbance should be conducted under a site-specific Soil and Materials Management Plan (SMMP) to ensure proper soil handling procedures (including characterization, storage and disposal activities, as required) and an associated Construction Health and Safety Plan (CHASP), which would specify dust control procedures, the need for air monitoring and other appropriate testing and/or monitoring, as well as detail appropriate measures to be implemented (including notification of regulatory agencies) if USTs, contaminated soil or groundwater, or other unforeseen environmental conditions are encountered. The SMMP would be prepared with consideration to the requirements of HEF's existing SWPPP and SPCC Plan. Under an SMMP, provisions for soil reuse would be identified in accordance with prevailing VA DEQ guidance and requirements.
- With regard to the potential VEC, preventative mitigation measures could be implemented during redevelopment including the installation of soil vapor barriers below the slabs and foundations of any future occupiable structure and/or sub-slab depressurization systems.
- Alternatively, in lieu of a SMMP and preventative vapor mitigation measures, a Subsurface (Phase II) Investigation could be performed to identify any potential contaminants prior to redevelopment of the Project Areas, including the potential presence of emerging contaminants (PFAS) and volatile organic compounds. The scope of the Subsurface (Phase II) Investigation could range from Project Area-specific investigations within each of the proposed PEA Project Areas, or a site-wide investigation to establish overall existing environmental conditions at HEF.
- If dewatering is required during future construction, groundwater must be handled and discharged in accordance with VA DEQ and existing VPDES permit requirements.
- Any suspect ACM, PCB-containing material, and/or LBP encountered during excavation (including in historical fill materials, if encountered) should be properly characterized, managed and disposed of in accordance with applicable regulations during construction.

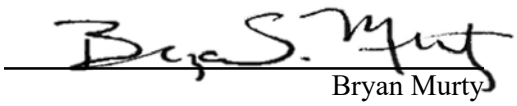
## 12.0 SIGNATURE PAGE

We declare that, to the best of our professional knowledge and belief, we meet the definition of Environmental Professional as defined in §312.10 of 40 CFR 312.

We have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the Subject Property for which the assessment was performed. We have performed all the appropriate inquiries in conformance with standards and practices set forth in 40 CFR Part 312.



Deborah Shapiro, QEP
Senior Vice President



Bryan Murty
Senior Technical Director

# 13.0 QUALIFICATIONS

The purpose of this assessment was to convey a professional opinion about the potential presence or absence of contamination, or possible sources of contamination on the property, and to identify existing and/or potential environmental problems associated with the property including *Recognized Environmental Conditions* as defined in ASTM Standard E1527-21, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Practice*.

The assessment was performed in accordance with customary principles and practices in the environmental consulting industry, and in accordance with the above-referenced ASTM Standard, except as noted otherwise in Section 9.0. It should only be used as a guide in determining the possible presence or absence of hazardous materials on the property at the time of the reconnaissance, as it is based upon the review of readily available records relating to both the property and the surrounding area, as well as a visual reconnaissance of current conditions.

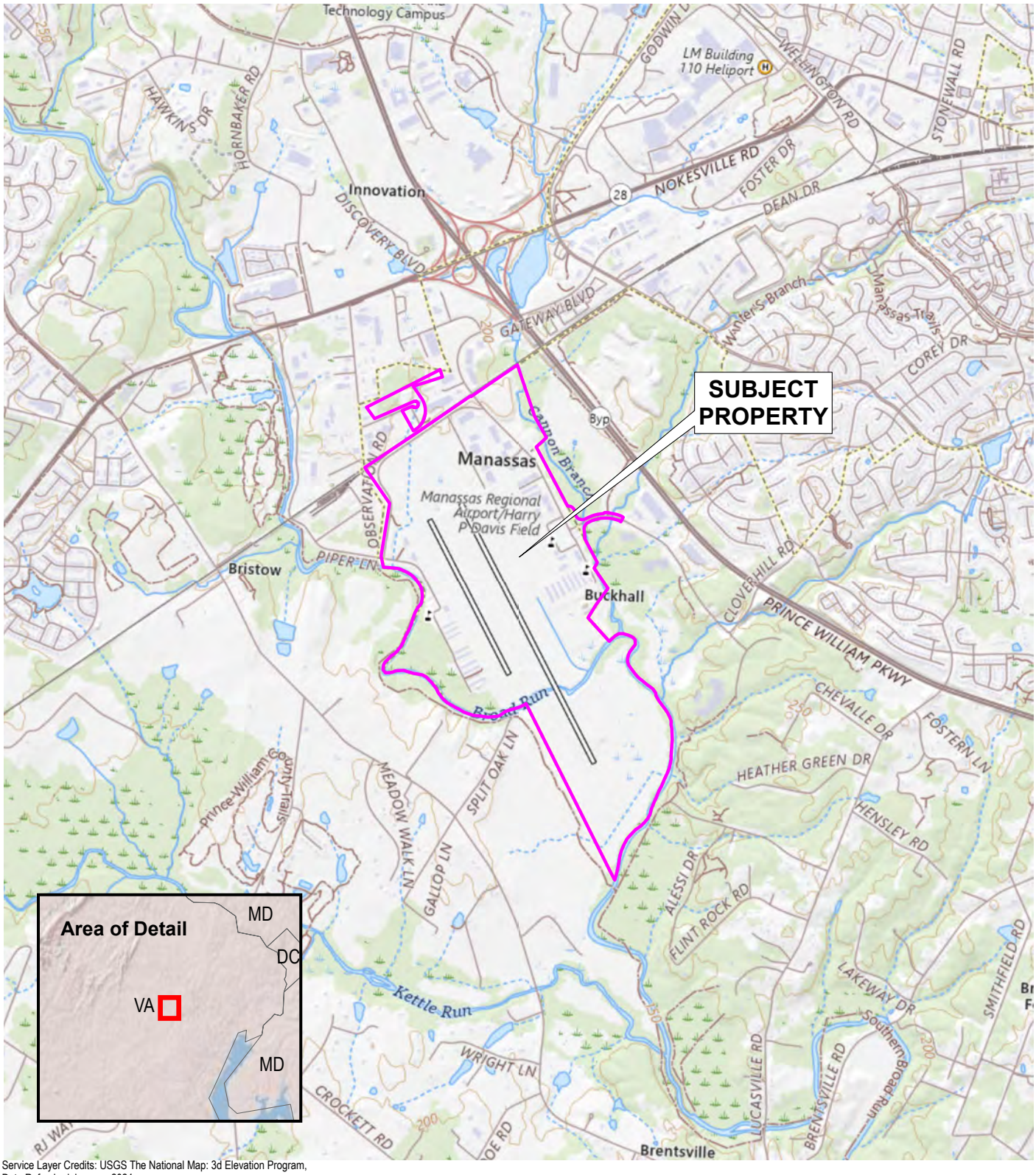
This Phase I Assessment is not, and should not be construed as, a guarantee, warranty, or certification of the presence or absence of hazardous substances, which can be made only with testing, and contains no formal plans or recommendations to rectify or remediate the presence of any hazardous substances which may be subject to regulatory approval. This report is not a regulatory compliance audit.

This report is based on services performed by AKRF, Inc. professional staff and observation of the property and its surroundings. We represent that observations made in this assessment are accurate to the best of our knowledge, and that no findings or observations concerning the potential presence of hazardous substances have been withheld or amended. The research and reconnaissance have been carried to a level that meets accepted industry and professional standards. Nevertheless, AKRF and the undersigned shall have no liability or obligation to any party other than ASG's and AKRF's obligations and liabilities to the above, their successors or assigns is limited to fraudulent statements made, or grossly negligent or willful acts or omissions.

# 14.0 REFERENCES


1. Environmental Data Resource, Inc., Area/Corridor Report, August 9, 2024.
2. Environmental Data Resource, Inc., Sanborn Insurance Map (no coverage) Report, July 29, 2024.
3. Environmental Data Resource, Inc., Aerial Photographs dated 1937, 1954, 1962, 1965, 1979, 1981, 1989, 1994, 2005, 2008, 2011, 2014, and 2018, July 30, 2024.
4. Environmental Data Resource, Inc., USGS Topographic Maps, dated 1894, 1943, 1944, 1951/1953, 1966, 1977, 1983/1984, 1994, 2013, 2016, 2019, and 2022, July 29, 2024.
5. Environmental Data Resource, Inc., City Directory Abstract, August 1, 2024.
6. United States Environmental Protection Agency, Virginia Radon Risk Map dated 1994.

# FIGURES




Service Layer Credits: USGS The National Map: 3d Elevation Program, Data Refreshed January, 2024

AKRF O:\Projects\240731 - MANASSAS AIRPORT, VIRGINIA\SAR\Phase1ESA aprx8/9/2024 10:57 AM## Fig 1 Subject Property Locationktomlinson

AKRF
440 Park Avenue South, New York, NY 10016

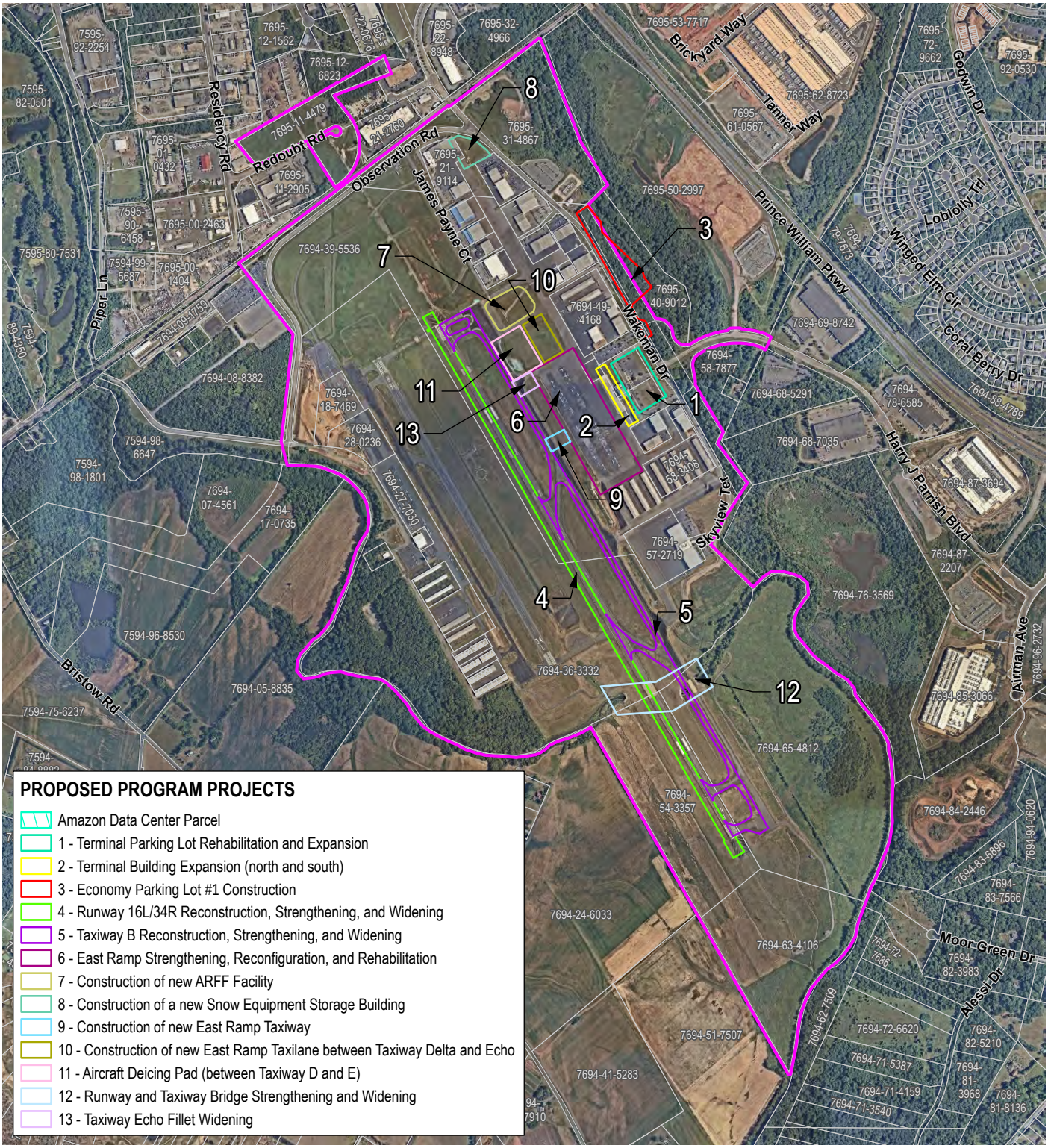
**10600 Harry J Parrish Blvd**
Manassas, VA

**SUBJECT PROPERTY LOCATION**

DATE
**8/9/2024**

PROJECT NO.
**240731**

FIGURE
**1**




LEGEND

SUBJECT PROPERTY

Aerial Source:
NearMaps imagery for July 9, 2024, accessed August 8, 2024.

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SCALE IN FEET

N

AKRF O:\Projects\240731 - MANASSAS AIRPORT, VIRGINIA\SAR\Phase1ESA.aprx10/9/2024 9:20 AM## Fig 2 Subject Property Detailktomlinson

AKRF
440 Park Avenue South, New York, NY 10016

**10600 Harry J Parrish Blvd**
Manassas, VA

**HEF TERMINAL REDEVELOPMENT PROJECT LOCATIONS**

DATE
**10/9/2024**

PROJECT NO.
**240731**

FIGURE
**2**

# APPENDIX A
# PHOTOGRAPHIC DOCUMENTATION



Photograph 1: Southern portion of HEF Project Area 1, facing northwest.



Photograph 2: Driveway entrance within HEF Project Area 1, facing west.



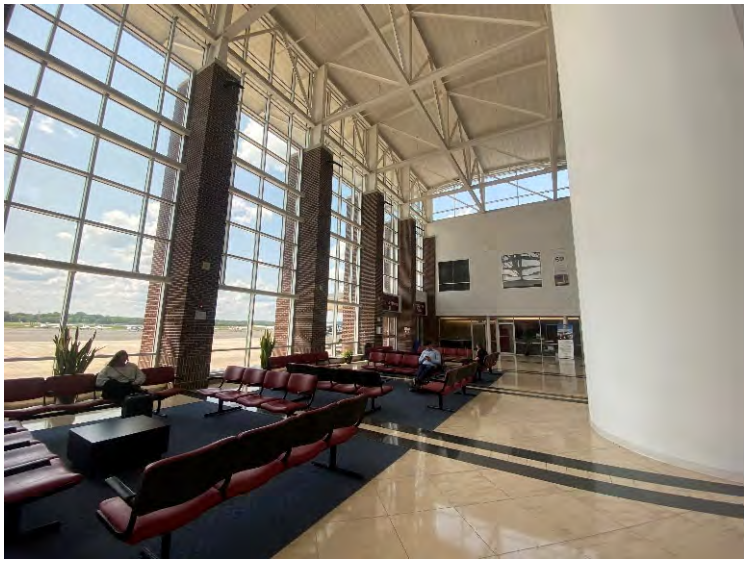
Photograph 3: Existing parking lot within northern portion of HEF Project Area 1, facing north.



Photograph 4: Eastern exterior of main terminal building in HEF Project Area 2, facing west.



Photograph 5: Western exterior of main terminal building in HEF Project Area 2, facing south.



Photograph 6: Lobby/waiting area of main terminal building in HEF Project Area 2, facing northwest.



Photograph 7: Boiler room in ground floor of main terminal building in HEF Project Area 2.




Photograph 8: Office space on ground and second floor of main terminal building in HEF Project Area 2.



Photograph 9: Wooded area within HEF Project Area 3a, facing east.



Photograph 10: Wooded area within HEF Project Area 3b, facing north.



Photograph 11: Runway in HEF Project Area 4, view from vehicle facing north.



Photograph 12: Southern end of runway in HEF Project Area 4, view from vehicle facing east.



Photograph 13: Taxiway in HEF Project Area 5, facing south.



Photograph 14: Stored aircraft on tarmac in HEF Project Area 6, facing southwest.



Photograph 15: Stormwater open top culvert, east-adjacent to HEF Project Area 6, facing south



Photograph 16: Surficial stormwater drainage via open top culvert in HEF Project Area 7, facing north.



Photograph 17: Water quality catch basin in HEF Project Area 7, facing north.



Photograph 18: Grass-covered land in HEF Project Area 8, facing north.



Photograph 19: Stormwater manhole in HEF Project Area 8, facing north.



Photograph 20: Grass-covered land in HEF Project Area 9, facing west.



Photograph 21: Grass-covered land in HEF Project Area 10, facing north.



Photograph 22: Grass-covered land in HEF Project Area 11, facing west.



Photograph 23: Bridge/culvert in HEF Project Area 12, facing west.



Photograph 24: View from bridge of Broad Run Tributary in HEF Project Area 12, facing northeast.



Photograph 25: Taxiway Echo in HEF Project Area 13, facing northwest.



Photograph 26: Hangar containing AFFF system (outside of HEF project areas), facing southeast.




Photograph 27: ARFF trucks and foam storage in storage building C3 (outside of HEF project areas).




Photograph 28: AFFF product label, stored with ARFF trucks in building C3.




Photograph 29: AST Farm (outside of HEF project areas), facing north.



Photograph 30: AST Farm (outside of HEF project areas), facing south.

# APPENDIX B
# HISTORIC SANBORN MAPS

Manassas Regional Airport
10600 Harry J Parrish Blvd
Manassas, VA 20110

Inquiry Number: 7720243.1
July 29, 2024

# Certified Sanborn® Map Report

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

# Certified Sanborn® Map Report

07/29/24

**Site Name:**

Manassas Regional Airport
10600 Harry J Parrish Blvd
Manassas, VA 20110
EDR Inquiry # 7720243.1

**Client Name:**

AKRF, Inc.
440 Park Avenue, South 7th Floor
New York, NY 10016
Contact: Bryan Murty

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The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

## *Certified Sanborn Results:*

**Certification #** C8DC-453E-A8D3

**PO #** NA

**Project** NA

### UNMAPPED PROPERTY

This report certifies that the complete holdings of the Sanborn Library, LLC collection have been searched based on client supplied target property information, and fire insurance maps covering the target property were not found.

Sanborn® Library search results

Certification #: C8DC-453E-A8D3

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- ☑ Library of Congress
- ☑ University Publications of America
- ☑ EDR Private Collection

*The Sanborn Library LLC Since 1866™*

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# APPENDIX C
# HISTORICAL AERIAL PHOTOS

**Manassas Regional Airport**

10600 Harry J Parrish Blvd

Manassas, VA 20110

Inquiry Number: 7720538.5

July 30, 2024

# The EDR Aerial Photo Decade Package

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

# EDR Aerial Photo Decade Package

07/30/24

**Site Name:**

Manassas Regional Airport
10600 Harry J Parrish Blvd
Manassas, VA 20110
EDR Inquiry # 7720538.5

**Client Name:**

AKRF, Inc.
440 Park Avenue, South 7th Floor
New York, NY 10016
Contact: Bryan Murty

Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

***Search Results:***

| Year | Scale | Details | Source |
|---|---|---|---|
| 2018 | 1"=500' | Flight Year: 2018 | USDA/NAIP |
| 2014 | 1"=500' | Flight Year: 2014 | USDA/NAIP |
| 2011 | 1"=500' | Flight Year: 2011 | USDA/NAIP |
| 2008 | 1"=500' | Flight Year: 2008 | USDA/NAIP |
| 2005 | 1"=500' | Flight Year: 2005 | USDA/NAIP |
| 1994 | 1"=500' | Acquisition Date: April 02, 1994 | USGS/DOQQ |
| 1989 | 1"=500' | Flight Date: March 16, 1989 | USGS |
| 1981 | 1"=500' | Flight Date: April 02, 1981 | USDA |
| 1979 | 1"=500' | Flight Date: October 27, 1979 | USDA |
| 1965 | 1"=500' | Flight Date: April 17, 1965 | USGS |
| 1962 | 1"=500' | Flight Date: June 09, 1962 | USGS |
| 1954 | 1"=500' | Flight Date: February 10, 1954 | USDA |
| 1937 | 1"=500' | Flight Date: May 31, 1937 | USDA |

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INQUIRY #: 7720538.5

YEAR: 2018

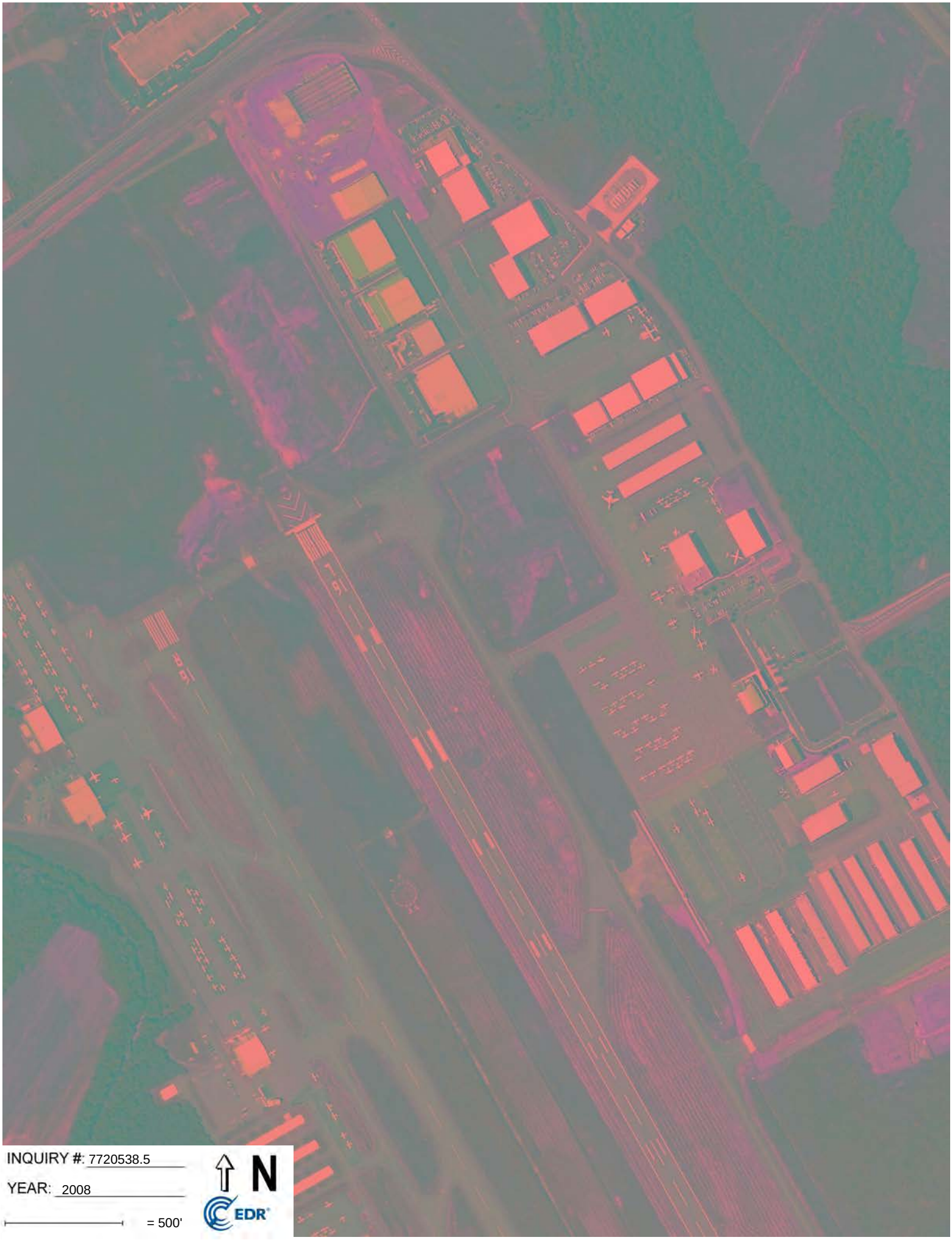
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EDR


INQUIRY #: 7720538.5
YEAR: 2014
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N
EDR


INQUIRY #: 7720538.5
YEAR: 2011
= 500'
N
EDR


INQUIRY #: 7720538.5
YEAR: 2008
= 500'
N
EDR


INQUIRY #: 7720538.5
YEAR: 2005
= 500'
N
EDR


INQUIRY #: 7720538.5
YEAR: 1994
= 500'
N
EDR



INQUIRY #: 7720538.5

YEAR: 1989

= 500'

N

EDR


INQUIRY #: 7720538.5
YEAR: 1981
= 500'
N
EDR


INQUIRY #: 7720538.5
YEAR: 1979
= 500'
N
EDR


INQUIRY #: 7720538.5
YEAR: 1965
= 500'
N
EDR


INQUIRY #: 7720538.5
YEAR: 1962
= 500'
N
EDR


INQUIRY #: 7720538.5
YEAR: 1954
= 500'
N
EDR


INQUIRY #: 7720538.5
YEAR: 1937
= 500'
N
EDR

# APPENDIX D
# HISTORIC TOPOGRAPHIC MAPS

Manassas Regional Airport
10600 Harry J Parrish Blvd
Manassas, VA 20110

Inquiry Number: 7720538.6
July 29, 2024

# EDR Historical Topo Map Report

## with QuadMatch™

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

# EDR Historical Topo Map Report

07/29/24

| Site Name: | Client Name: |
|---|---|
| Manassas Regional Airport | AKRF, Inc. |
| 10600 Harry J Parrish Blvd | 440 Park Avenue, South 7th Floor |
| Manassas, VA 20110 | New York, NY 10016 |
| EDR Inquiry # 7720538.6 | Contact: Bryan Murty |

EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by AKRF, Inc. were identified for the years listed below. EDR's Historical Topo Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topo Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the late 1800s.

| *Search Results:* | | *Coordinates:* | |
|---|---|---|---|
| **P.O.#** | NA | **Latitude:** | 38.726624 38° 43' 36" North |
| **Project:** | NA | **Longitude:** | -77.516179 -77° 30' 58" West |
| | | **UTM Zone:** | Zone 18 North |
| | | **UTM X Meters:** | 281268.29 |
| | | **UTM Y Meters:** | 4289446.25 |
| | | **Elevation:** | 185.73' above sea level |

**Maps Provided:**

| | |
|---|---|
| 2022 | 1966 |
| 2019 | 1951, 1953 |
| 2016 | 1944 |
| 2013 | 1943 |
| 1994 | 1894 |
| 1983, 1984 | |
| 1977 | |
| 1971 | |

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## *Topo Sheet Key*

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

### 2022 Source Sheets



Nokesville
2022
7.5-minute, 24000



Independent Hill
2022
7.5-minute, 24000



Gainesville
2022
7.5-minute, 24000



Manassas
2022
7.5-minute, 24000

### 2019 Source Sheets



Nokesville
2019
7.5-minute, 24000



Independent Hill
2019
7.5-minute, 24000



Gainesville
2019
7.5-minute, 24000



Manassas
2019
7.5-minute, 24000

### 2016 Source Sheets



Nokesville
2016
7.5-minute, 24000



Independent Hill
2016
7.5-minute, 24000



Gainesville
2016
7.5-minute, 24000



Manassas
2016
7.5-minute, 24000

### 2013 Source Sheets



Nokesville
2013
7.5-minute, 24000



Independent Hill
2013
7.5-minute, 24000



Gainesville
2013
7.5-minute, 24000



Manassas
2013
7.5-minute, 24000

## *Topo Sheet Key*

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

### 1994 Source Sheets



Nokesville
1994
7.5-minute, 24000
Aerial Photo Revised 1994



Manassas
1994
7.5-minute, 24000
Aerial Photo Revised 1994



Independent Hill
1994
7.5-minute, 24000
Aerial Photo Revised 1994

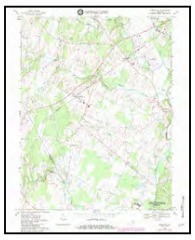


Gainesville
1994
7.5-minute, 24000
Aerial Photo Revised 1994

### 1983, 1984 Source Sheets



Gainesville
1983
7.5-minute, 24000
Aerial Photo Revised 1981



Nokesville
1983
7.5-minute, 24000
Aerial Photo Revised 1981



Manassas
1983
7.5-minute, 24000
Aerial Photo Revised 1981



Independent Hill
1984
7.5-minute, 24000
Aerial Photo Revised 1981

### 1977 Source Sheets



Independent Hill
1977
7.5-minute, 24000
Aerial Photo Revised 1977



Manassas
1977
7.5-minute, 24000
Aerial Photo Revised 1977



Nokesville
1977
7.5-minute, 24000
Aerial Photo Revised 1977



Gainesville
1977
7.5-minute, 24000
Aerial Photo Revised 1977

### 1971 Source Sheets



Independent Hill
1971
7.5-minute, 24000
Aerial Photo Revised 1971



Manassas
1971
7.5-minute, 24000
Aerial Photo Revised 1971



Nokesville
1971
7.5-minute, 24000
Aerial Photo Revised 1971

## *Topo Sheet Key*

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

### 1966 Source Sheets



Independent Hill
1966
7.5-minute, 24000
Aerial Photo Revised 1950



Nokesville
1966
7.5-minute, 24000
Aerial Photo Revised 1965



Manassas
1966
7.5-minute, 24000
Aerial Photo Revised 1963

### 1951, 1953 Source Sheets



Independent Hill
1951
7.5-minute, 24000
Aerial Photo Revised 1950



Manassas
1951
7.5-minute, 24000
Aerial Photo Revised 1949



Gainesville
1953
7.5-minute, 24000
Aerial Photo Revised 1943



Nokesville
1953
7.5-minute, 24000
Aerial Photo Revised 1943

### 1944 Source Sheets



Nokesville
1944
7.5-minute, 31680
Aerial Photo Revised 1943

### 1943 Source Sheets



Catlett
1943
15-minute, 62500



Quantico
1943
15-minute, 62500
Aerial Photo Revised 1939



Middleburg
1943
15-minute, 62500

## *Topo Sheet Key*

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

### 1894 Source Sheets



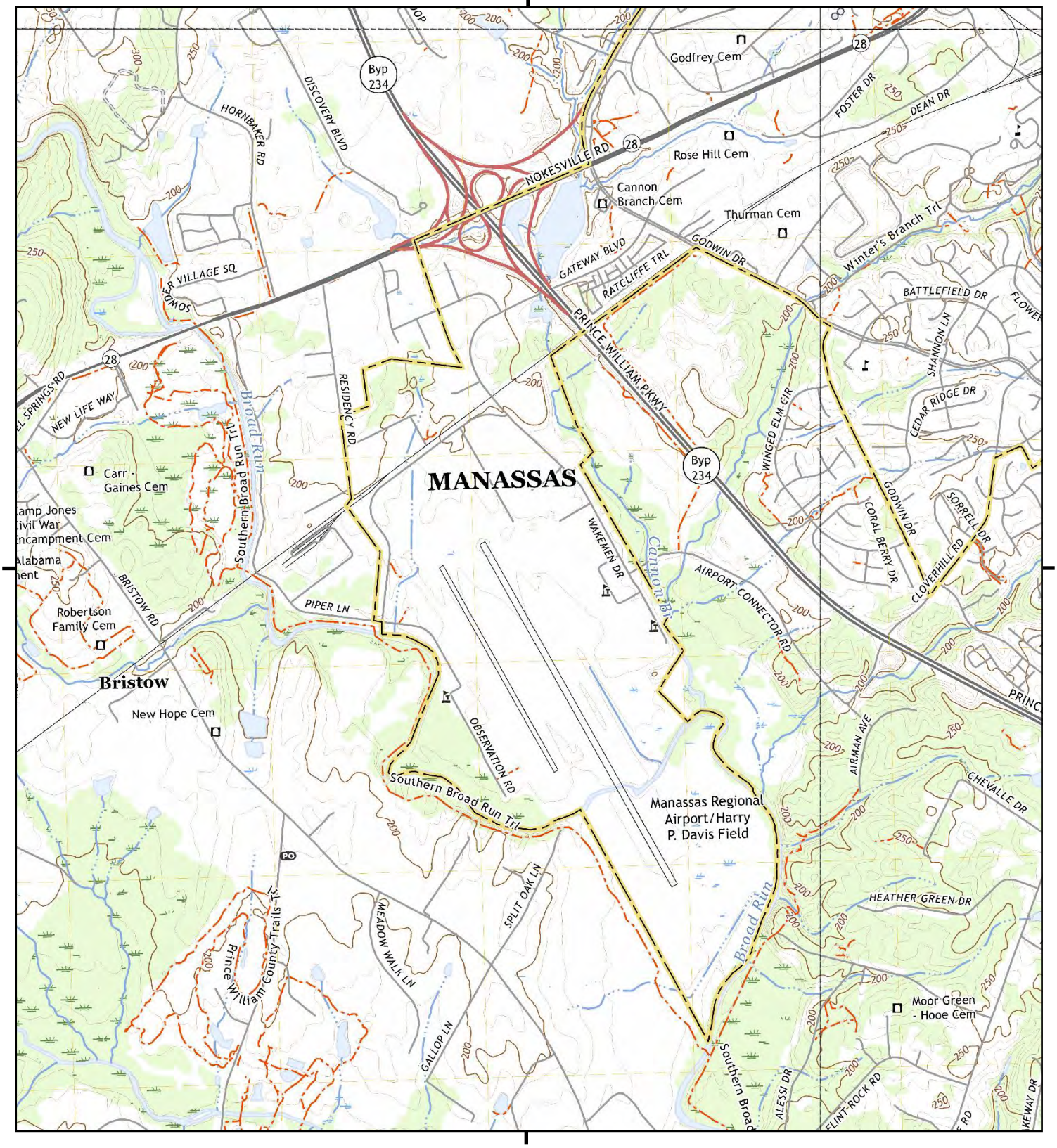
Thorofare Gap
1894
30-minute, 125000



Mt. Vernon
1894
30-minute, 125000



Warrenton
1894
30-minute, 125000




This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

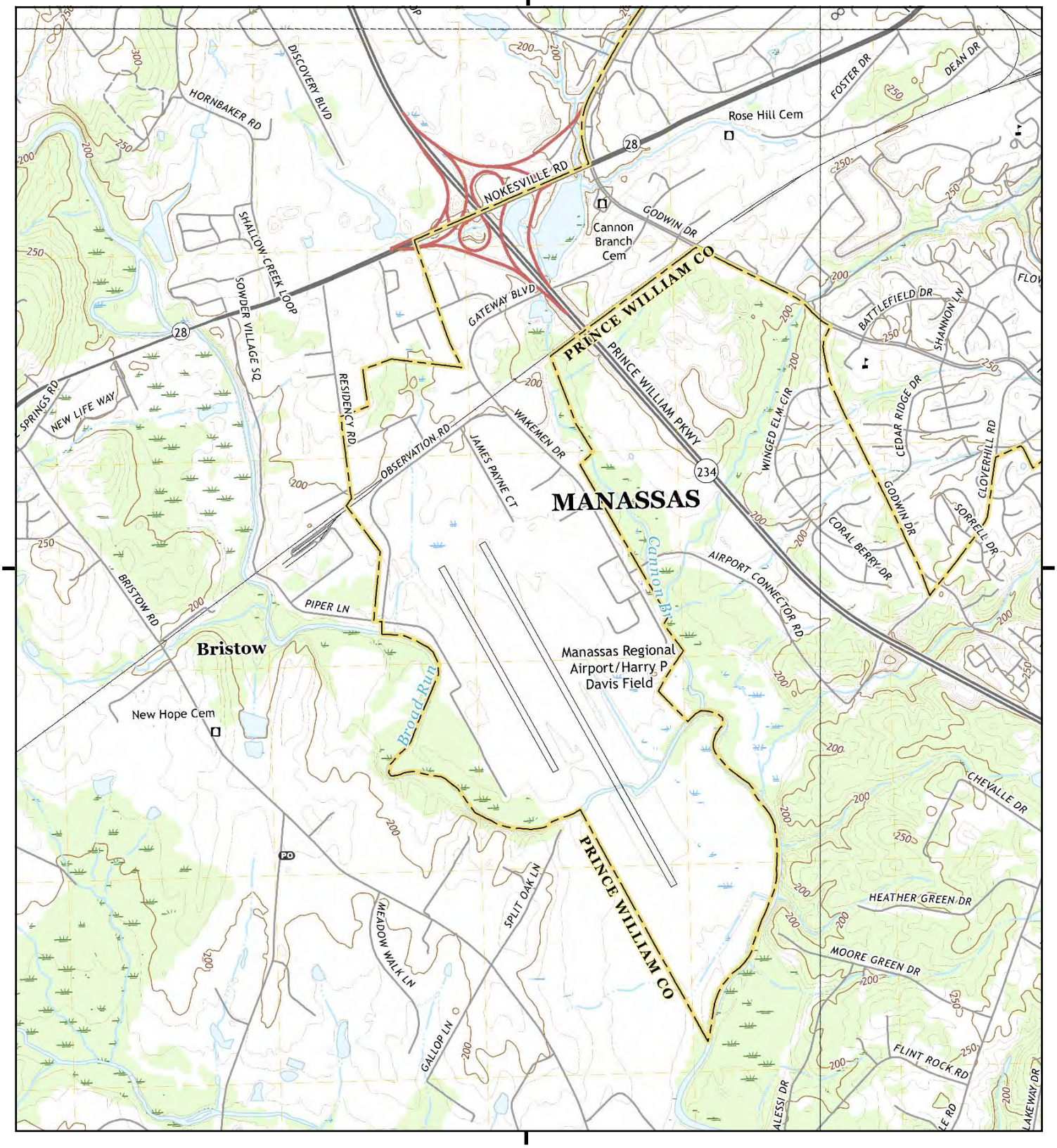
TP, Nokesville, 2022, 7.5-minute
NE, Manassas, 2022, 7.5-minute
SE, Independent Hill, 2022, 7.5-minute
NW, Gainesville, 2022, 7.5-minute

SITE NAME: Manassas Regional Airport
ADDRESS: 10600 Harry J Parrish Blvd
Manassas, VA 20110
CLIENT: AKRF, Inc.

N

# Historical Topo Map

2019




This report includes information from the following map sheet(s).

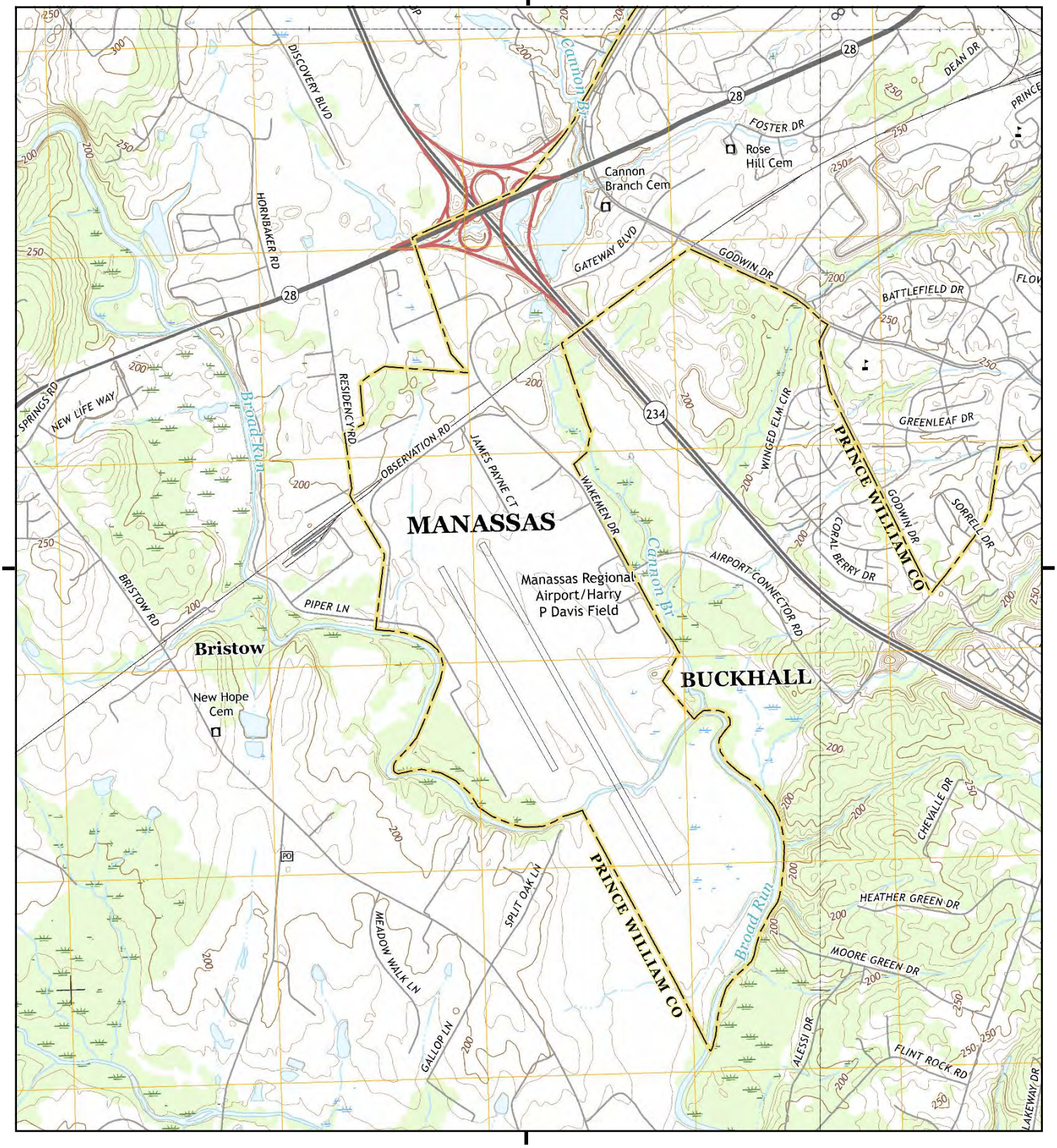
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Nokesville, 2019, 7.5-minute
NE, Manassas, 2019, 7.5-minute
SE, Independent Hill, 2019, 7.5-minute
NW, Gainesville, 2019, 7.5-minute

SITE NAME: Manassas Regional Airport
ADDRESS: 10600 Harry J Parrish Blvd
Manassas, VA 20110
CLIENT: AKRF, Inc.

N




This report includes information from the following map sheet(s).

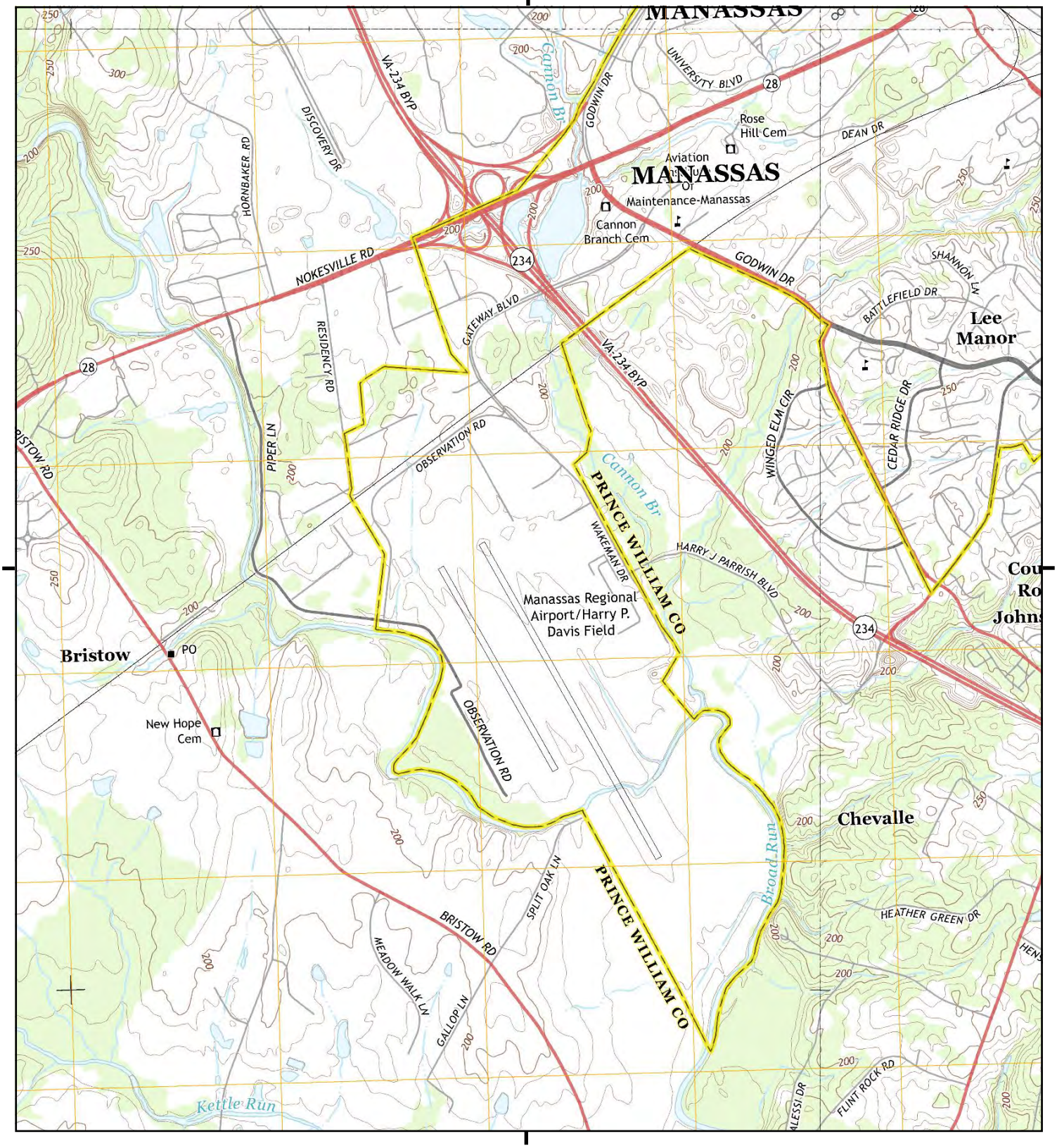
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Nokesville, 2016, 7.5-minute
NE, Manassas, 2016, 7.5-minute
SE, Independent Hill, 2016, 7.5-minute
NW, Gainesville, 2016, 7.5-minute

SITE NAME: Manassas Regional Airport
ADDRESS: 10600 Harry J Parrish Blvd
Manassas, VA 20110
CLIENT: AKRF, Inc.

N




This report includes information from the following map sheet(s).

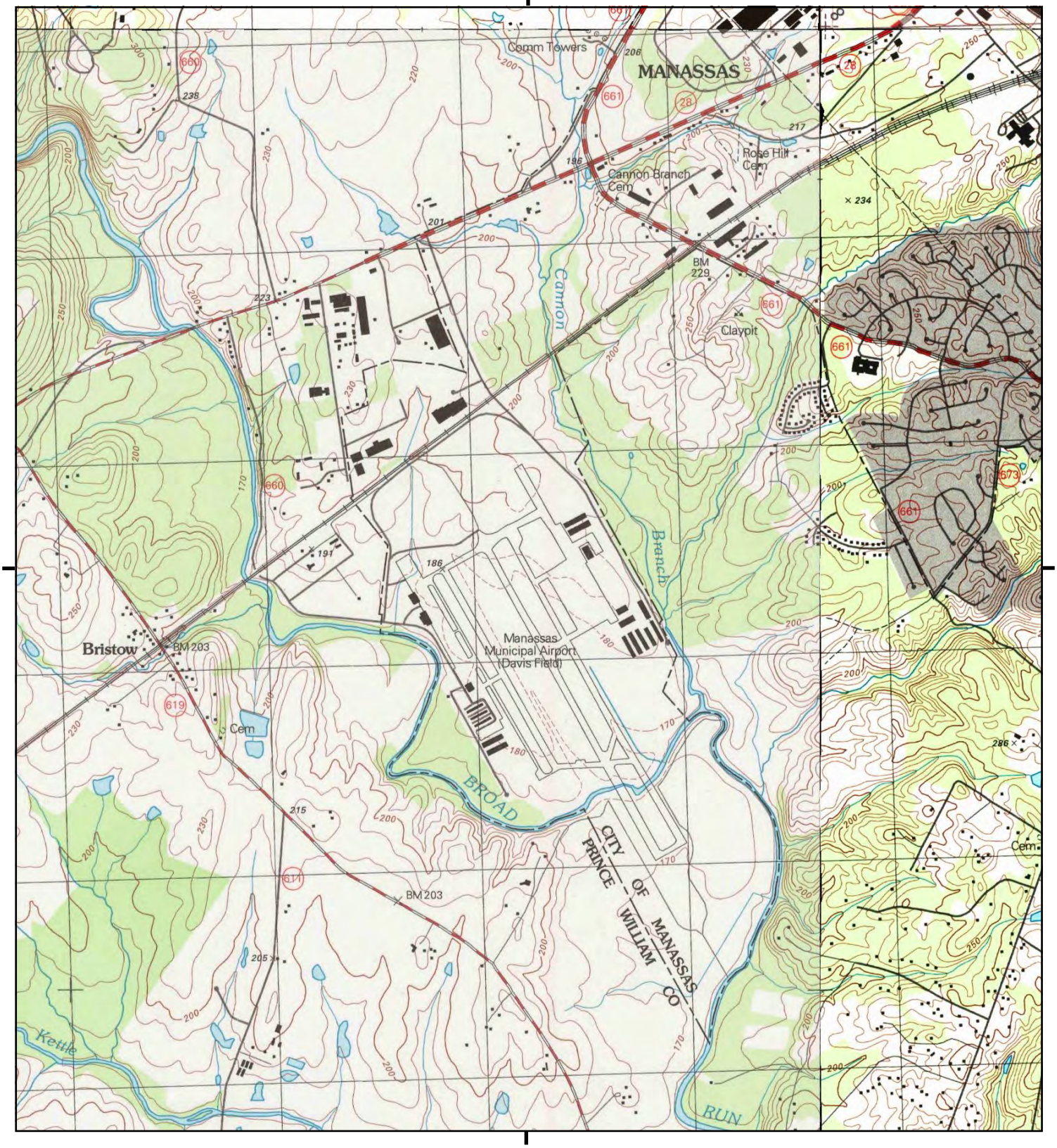
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Nokesville, 2013, 7.5-minute
NE, Manassas, 2013, 7.5-minute
SE, Independent Hill, 2013, 7.5-minute
NW, Gainesville, 2013, 7.5-minute

SITE NAME: Manassas Regional Airport
ADDRESS: 10600 Harry J Parrish Blvd
Manassas, VA 20110
CLIENT: AKRF, Inc.

N




This report includes information from the following map sheet(s).

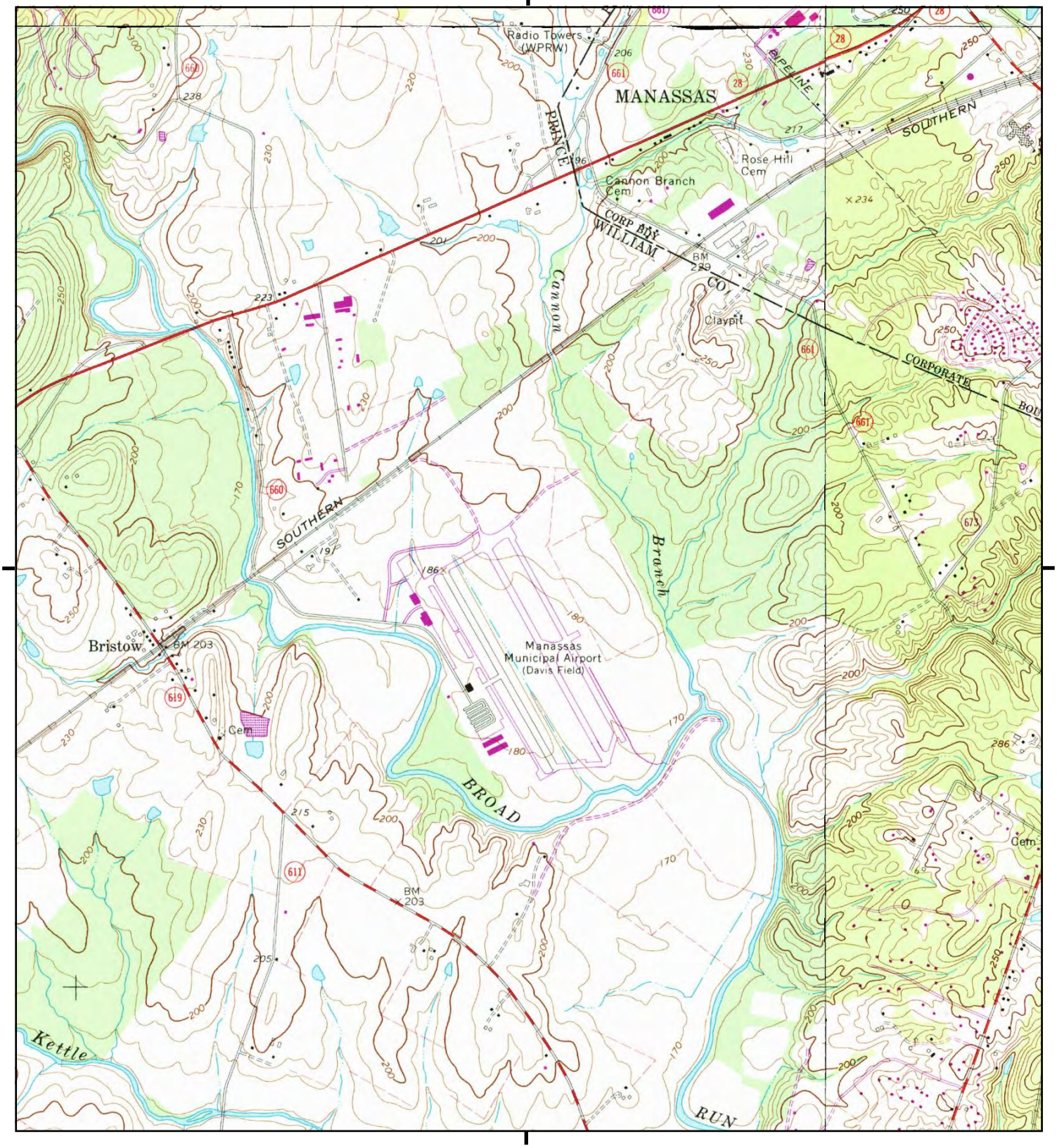
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Nokesville, 1994, 7.5-minute
NE, Manassas, 1994, 7.5-minute
SE, Independent Hill, 1994, 7.5-minute
NW, Gainesville, 1994, 7.5-minute

SITE NAME: Manassas Regional Airport
ADDRESS: 10600 Harry J Parrish Blvd
Manassas, VA 20110
CLIENT: AKRF, Inc.

N




This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Nokesville, 1983, 7.5-minute
NE, Manassas, 1983, 7.5-minute
SE, Independent Hill, 1984, 7.5-minute
NW, Gainesville, 1983, 7.5-minute

SITE NAME: Manassas Regional Airport
ADDRESS: 10600 Harry J Parrish Blvd
Manassas, VA 20110
CLIENT: AKRF, Inc.

N




This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

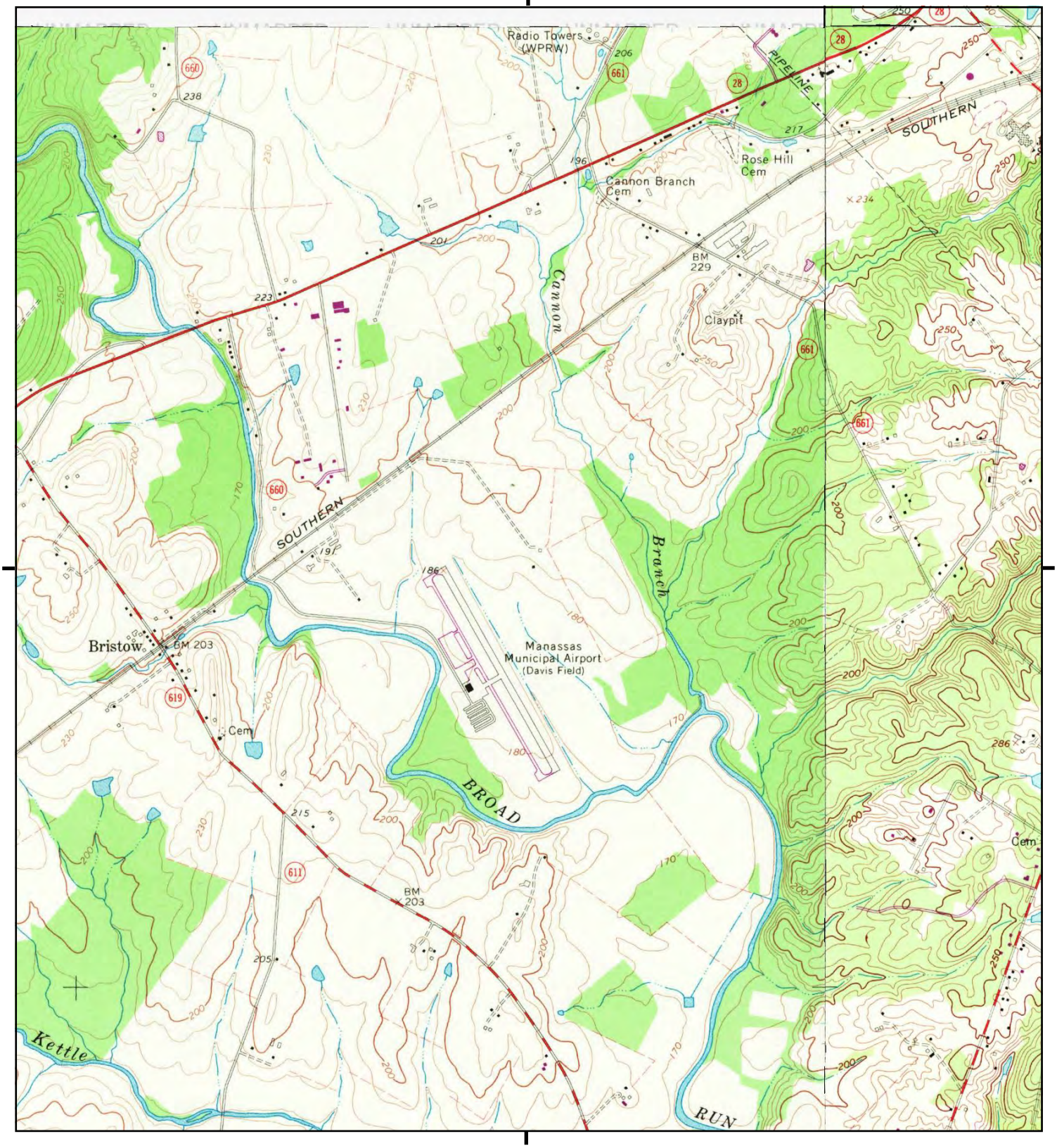
TP, Nokesville, 1977, 7.5-minute
NE, Manassas, 1977, 7.5-minute
SE, Independent Hill, 1977, 7.5-minute
NW, Gainesville, 1977, 7.5-minute

SITE NAME: Manassas Regional Airport
ADDRESS: 10600 Harry J Parrish Blvd
Manassas, VA 20110
CLIENT: AKRF, Inc.

N

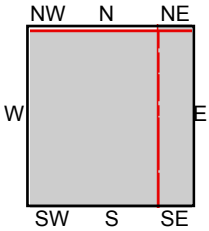
# Historical Topo Map

1971




This report includes information from the following map sheet(s).

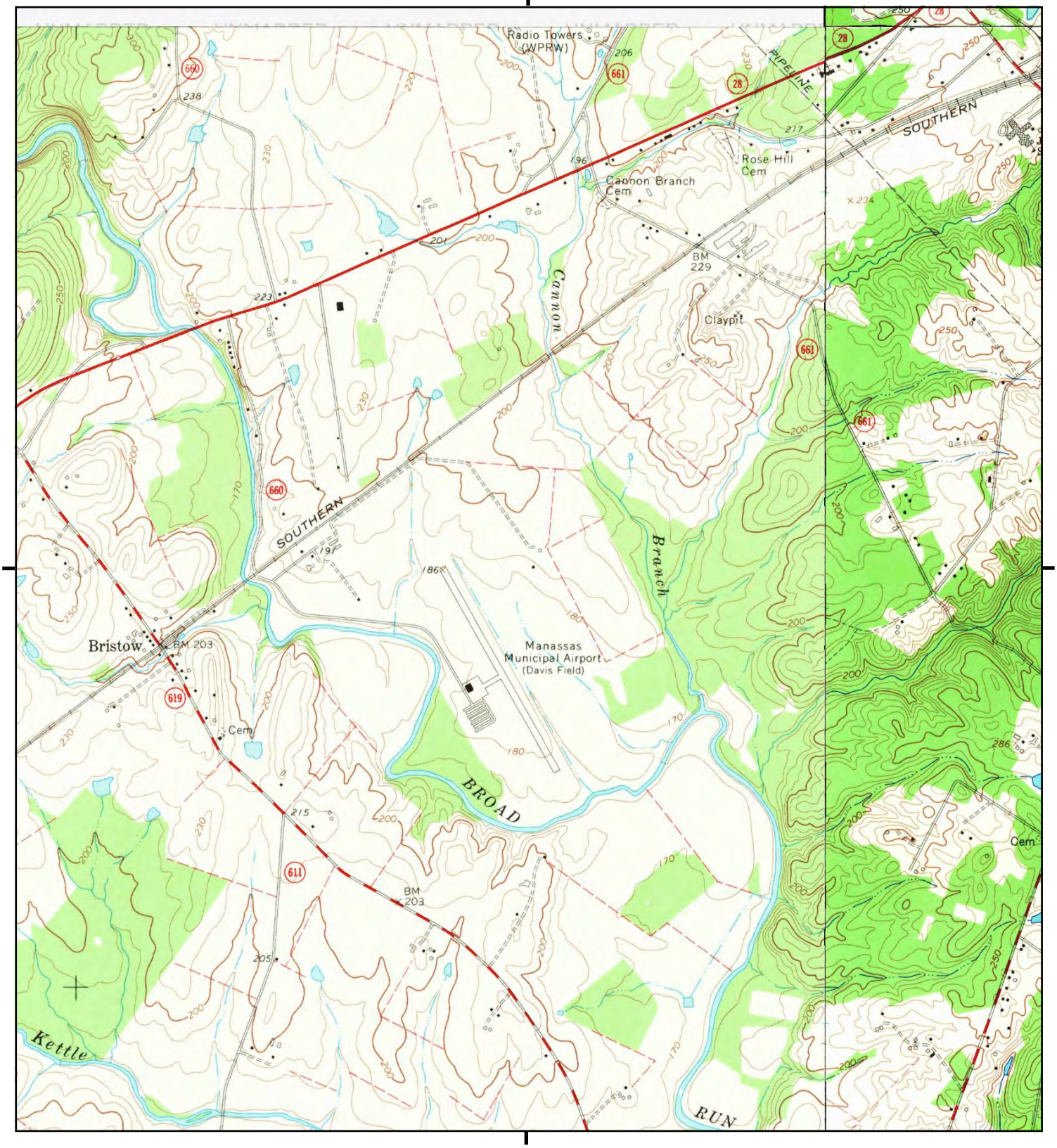
0 Miles 0.25 0.5 1 1.5




TP, Nokesville, 1971, 7.5-minute
NE, Manassas, 1971, 7.5-minute
SE, Independent Hill, 1971, 7.5-minute

SITE NAME: Manassas Regional Airport
ADDRESS: 10600 Harry J Parrish Blvd
Manassas, VA 20110
CLIENT: AKRF, Inc.

N




This report includes information from the following map sheet(s).

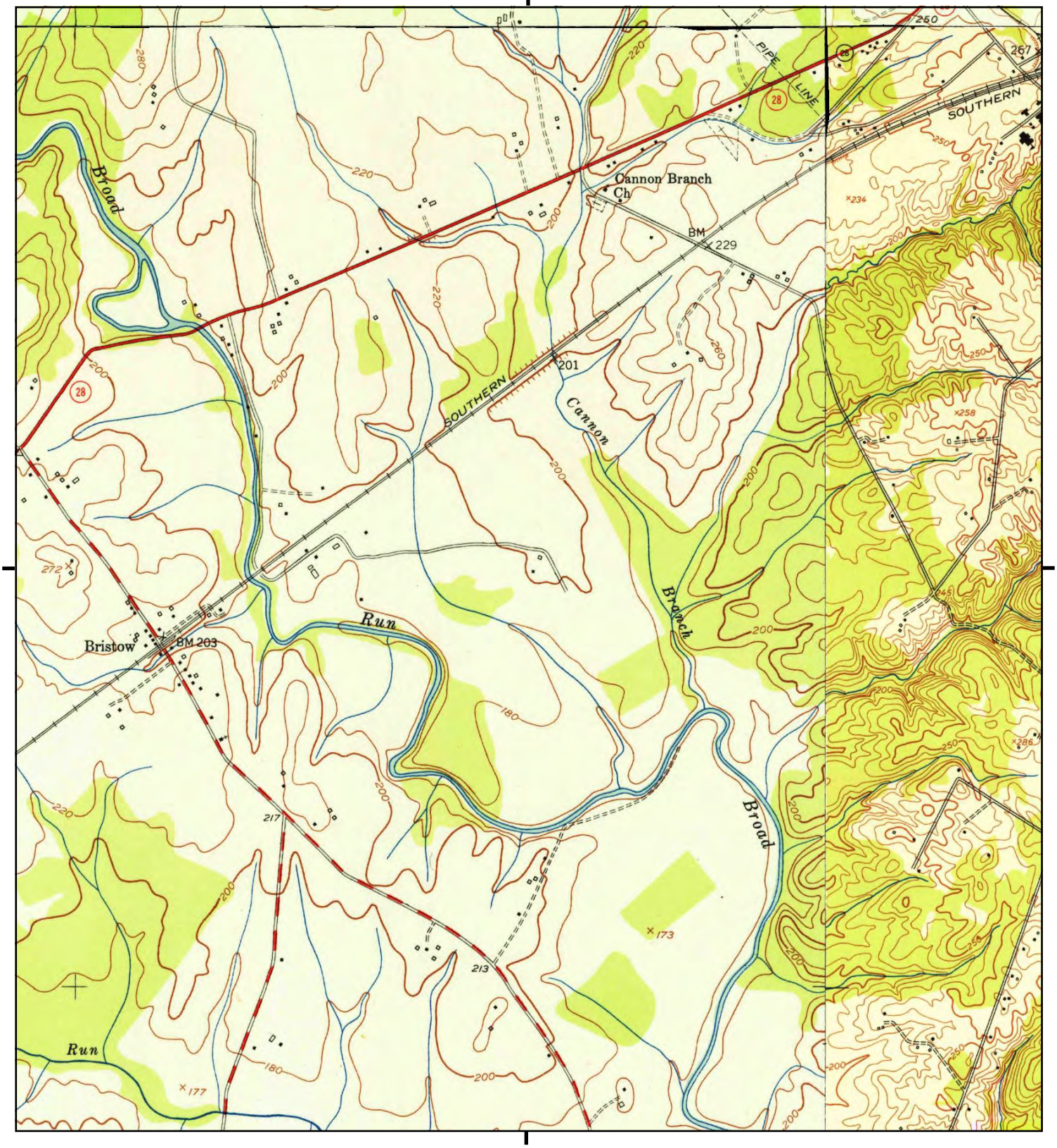
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Nokesville, 1966, 7.5-minute
NE, Manassas, 1966, 7.5-minute
SE, Independent Hill, 1966, 7.5-minute

SITE NAME: Manassas Regional Airport
ADDRESS: 10600 Harry J Parrish Blvd
Manassas, VA 20110
CLIENT: AKRF, Inc.

N




This report includes information from the following map sheet(s).

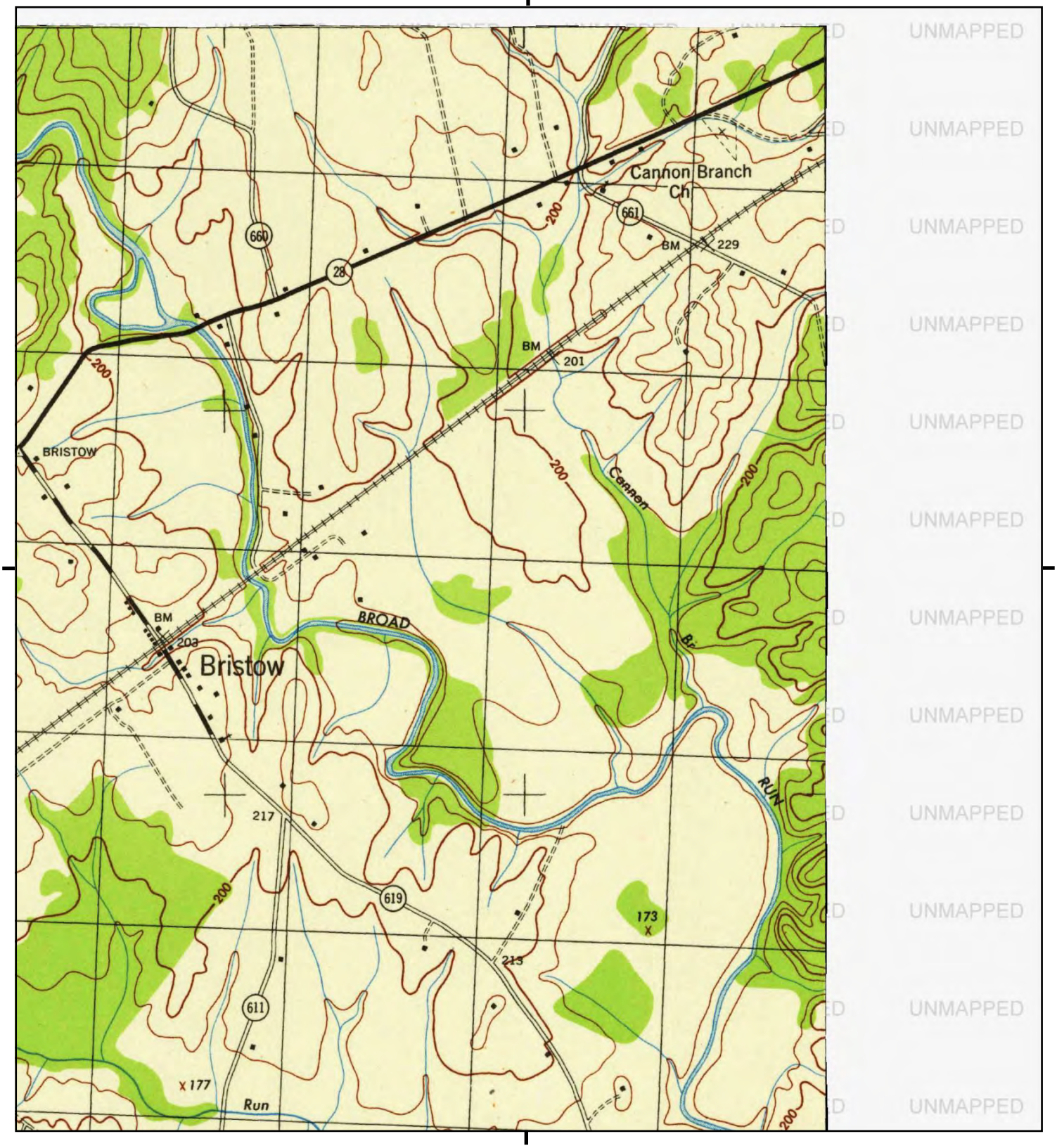
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Nokesville, 1953, 7.5-minute
NE, Manassas, 1951, 7.5-minute
SE, Independent Hill, 1951, 7.5-minute
NW, Gainesville, 1953, 7.5-minute

SITE NAME: Manassas Regional Airport
ADDRESS: 10600 Harry J Parrish Blvd
Manassas, VA 20110
CLIENT: AKRF, Inc.

N




This report includes information from the following map sheet(s).

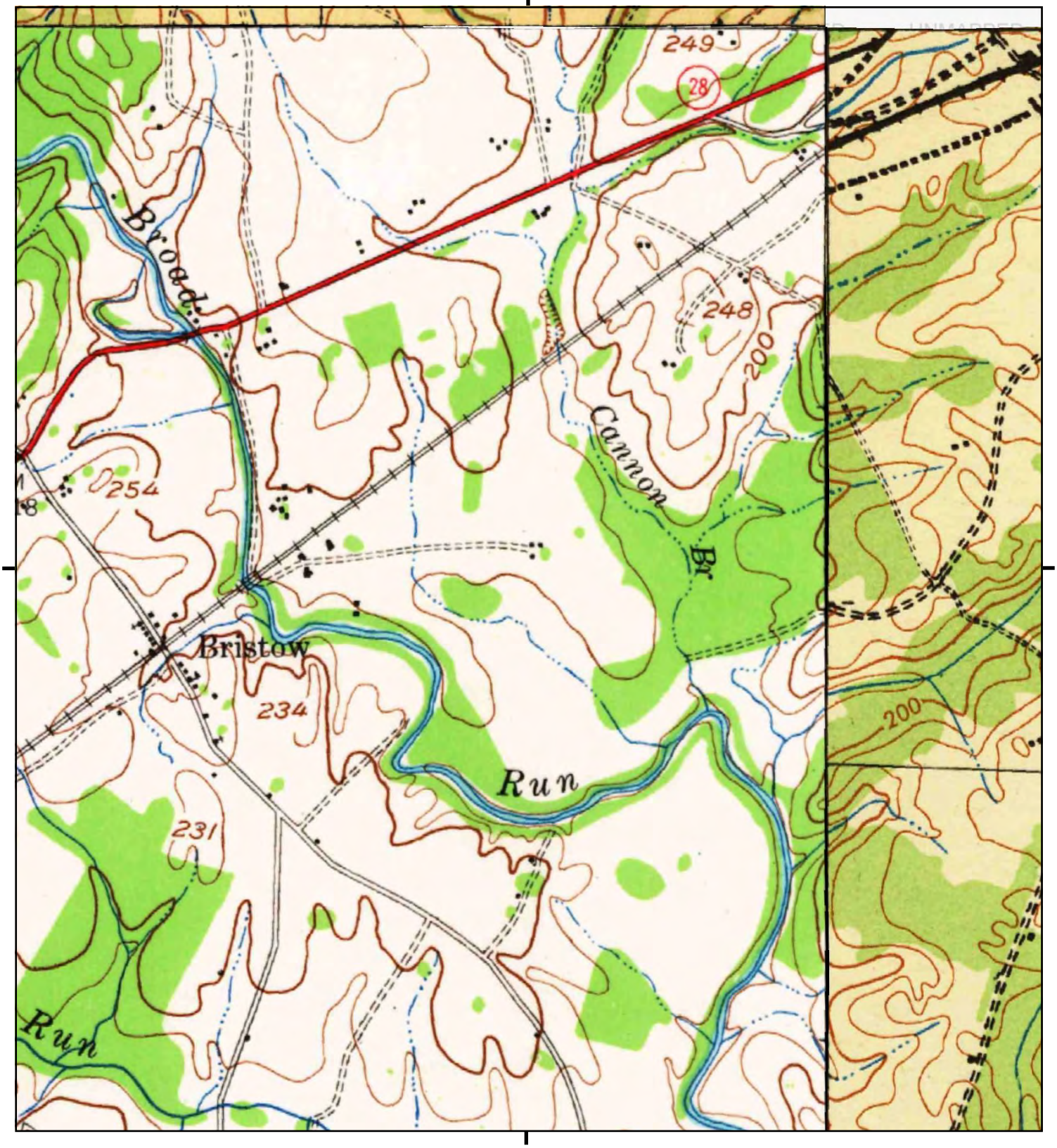
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Nokesville, 1944, 7.5-minute

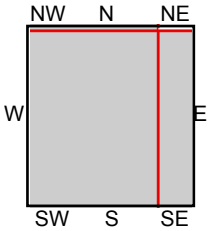
SITE NAME: Manassas Regional Airport
ADDRESS: 10600 Harry J Parrish Blvd
Manassas, VA 20110
CLIENT: AKRF, Inc.

N




This report includes information from the following map sheet(s).

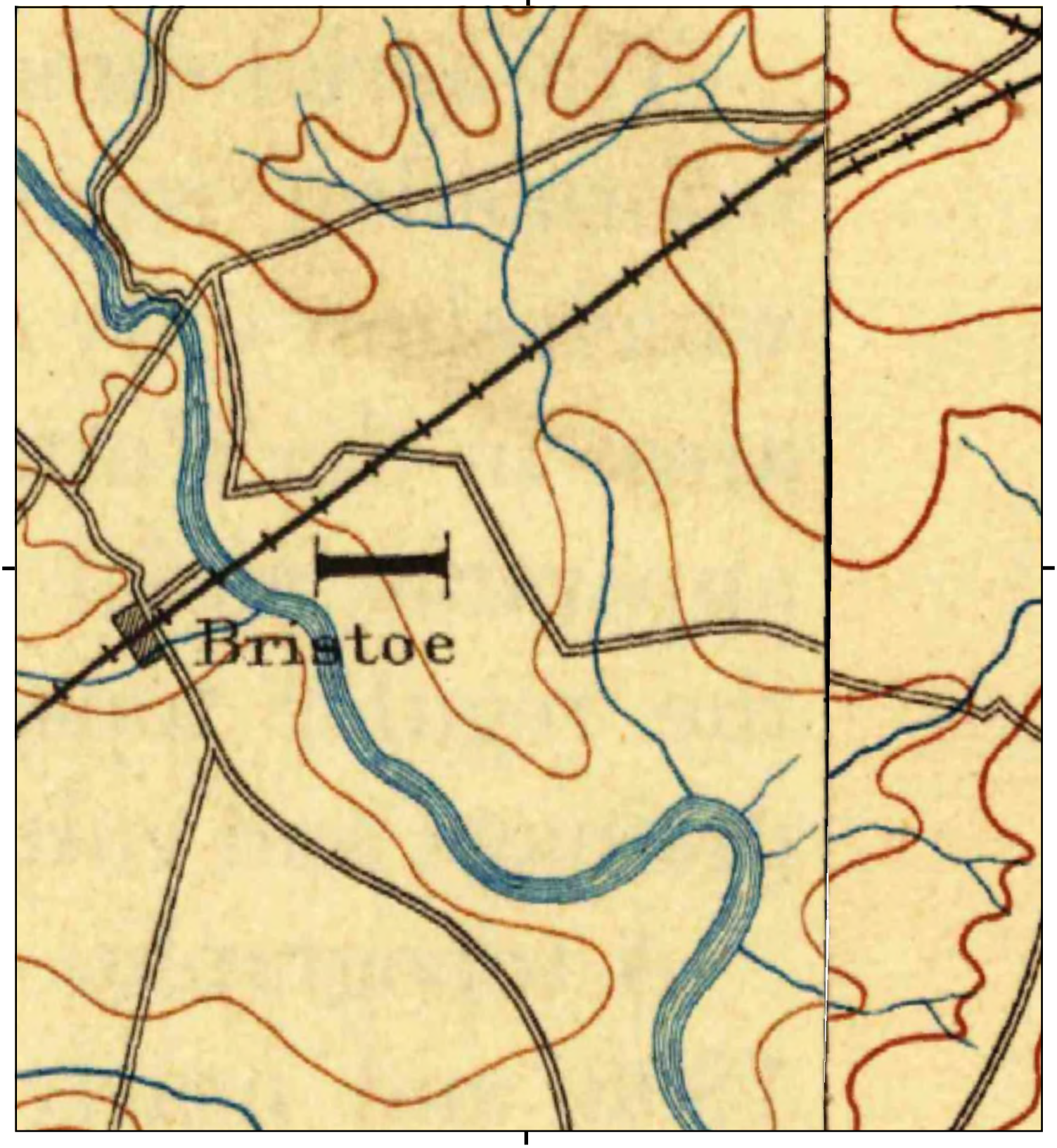
0 Miles 0.25 0.5 1 1.5




TP, Catlett, 1943, 15-minute
SE, Quantico, 1943, 15-minute
NW, Middleburg, 1943, 15-minute

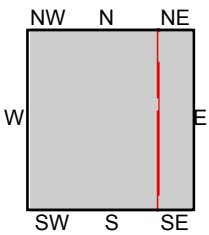
SITE NAME: Manassas Regional Airport
ADDRESS: 10600 Harry J Parrish Blvd
Manassas, VA 20110
CLIENT: AKRF, Inc.

N




This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5




TP, Thorofare Gap, 1894, 30-minute
E, Mt. Vernon, 1894, 30-minute
TP, Warrenton, 1894, 30-minute

SITE NAME: Manassas Regional Airport
ADDRESS: 10600 Harry J Parrish Blvd
Manassas, VA 20110
CLIENT: AKRF, Inc.

N

# APPENDIX E
# CITY DIRECTORY ABSTRACT

**Manassas Regional Airport**
10600 Harry J Parrish Blvd
Manassas, VA 20110

Inquiry Number: 7720538.4
August 01, 2024

# The EDR-City Directory Image Report

EDR® Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

# TABLE OF CONTENTS

## SECTION

**Executive Summary**

**Findings**

**City Directory Images**

***Thank you for your business.***
Please contact EDR at 1-800-352-0050
with any questions or comments.

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# EXECUTIVE SUMMARY

## DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Report is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Report includes a search of available business directory data at approximately five year intervals.

## RECORD SOURCES

The EDR City Directory Report accesses a variety of business directory sources, including Haines, InfoUSA, Polk, Cole, Bresser, and Stewart. Listings marked as EDR Digital Archive access Cole and InfoUSA records. The various directory sources enhance and complement each other to provide a more thorough and accurate report.

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## RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. A check mark indicates where information was identified in the source and provided in this report.

| *Year* | *Target Street* | *Cross Street* | *Source* |
|---|---|---|---|
| 2020 | ☑ | ☑ | EDR Digital Archive |
| 2017 | ☑ | ☑ | Cole Information |
| 2014 | ☑ | ☑ | Cole Information |
| 2010 | ☑ | ☑ | Cole Information |
| 2005 | ☐ | ☑ | Cole Information |
| 2000 | ☐ | ☑ | Cole Information |
| 1995 | ☐ | ☑ | Cole Information |
| 1992 | ☐ | ☑ | Cole Information |
| 1986 | ☐ | ☑ | Haines Criss-Cross Directory |
| 1981 | ☐ | ☐ | Haines Criss-Cross Directory |
| 1976 | ☐ | ☐ | Haines Criss-Cross Directory |
| 1971 | ☐ | ☐ | Hill Directory Co |
| 1964 | ☐ | ☐ | Hill Directory Co |

# FINDINGS

## TARGET PROPERTY STREET

10600 Harry J Parrish Blvd
Manassas, VA 20110

| *Year* | *CD Image* | *Source* | |
|---|---|---|---|
| **HARRY J BLVD** | | | |
| 2020 | pg A1 | EDR Digital Archive | |
| **HARRY J PARRISH BLVD** | | | |
| 2017 | pg A3 | Cole Information | |
| 2014 | pg A5 | Cole Information | |
| 2010 | pg A7 | Cole Information | |
| 2005 | - | Cole Information | Target and Adjoining not listed in Source |
| 2000 | - | Cole Information | Target and Adjoining not listed in Source |
| 1995 | - | Cole Information | Target and Adjoining not listed in Source |
| 1992 | - | Cole Information | Target and Adjoining not listed in Source |
| 1986 | - | Haines Criss-Cross Directory | Street not listed in Source |
| 1981 | - | Haines Criss-Cross Directory | Street not listed in Source |
| 1976 | - | Haines Criss-Cross Directory | Street not listed in Source |
| 1971 | - | Hill Directory Co | Street not listed in Source |
| 1964 | - | Hill Directory Co | Street not listed in Source |

# FINDINGS

## CROSS STREETS

| *Year* | *CD Image* | *Source* | |
|---|---|---|---|
| **RESIDENCY RD** | | | |
| 2020 | pg. A2 | EDR Digital Archive | |
| 2017 | pg. A4 | Cole Information | |
| 2014 | pg. A6 | Cole Information | |
| 2010 | pg. A8 | Cole Information | |
| 2005 | pg. A9 | Cole Information | |
| 2000 | pg. A10 | Cole Information | |
| 1995 | pg. A11 | Cole Information | |
| 1992 | pg. A12 | Cole Information | |
| 1986 | pg. A13 | Haines Criss-Cross Directory | |
| 1981 | - | Haines Criss-Cross Directory | Street not listed in Source |
| 1976 | - | Haines Criss-Cross Directory | Street not listed in Source |
| 1971 | - | Hill Directory Co | Street not listed in Source |
| 1964 | - | Hill Directory Co | Street not listed in Source |

# City Directory Images

| Target Street | Cross Street | Source |
|---|---|---|
| ✓ | - | EDR Digital Archive |

# HARRY J BLVD 2020

| | |
|---|---|
| 10110 | SUNBELT RENTALS POWER & HVAC |
| 10126 | FIREPLACE SOLUTIONS LLC |
| | FIRESIDE HEARTH & HOME |
| 10154 | GREEN FRONT FURNITURE |
| 10170 | SMARTCOM TECHNOLOGIES |
| 10190 | SDA ENTREMATIC |
| 10231 | AMERICAN TIRE DISTRIBUTORS |
| 10236 | HOP ON POPS MOON BOUNCE |
| | MID-ATLANTIC ADVENTURES |
| 10248 | CLOPAY BUILDING PRODUCTS |
| 10292 | TIRE KINGDOM |
| 10300 | INFOCUS MARKETING |
| 10372 | K & S SURVEY |
| 10600 | AVIATION ADVENTURES |
| | FREEDOM MUSEUM INC |
| | MANASSAS REGIONAL AIRPORT-HEF |

| Target Street | Cross Street | Source |
|---|---|---|
| - | ✓ | EDR Digital Archive |

## RESIDENCY RD 2020

109 DIAMONDS UTILITY CONSTRUCTION
10103 COMPLETE GAME
ELITE GOLF
HOME-KIM GROUP INC
JOHNSON HEALTH TECH
10105 A W P INC
AMADA LANDSCAPING
Donald Zimar
LAST STOP AUTO REPAIR
SAV A TREE
10106 Bonnie Mifflin
J & H AITCHESON
10109 NPL
10119 LIEBHERR EQUIPMENT SOURCE
10123 Antonio Conceicao
Lisa Morais
NEWPORT CONCRETE INC
10126 PORTICO SERVICES LLC
10130 TEAM FISHEL
10134 BDM TRUCK COLLISION REPAIR
10220 AMERICAN RECYCLING CTR
10228 VIRGINIA DEPARTMENT TRNSPRTN
10351 ADVANTAGE GLASS
Richard Knutson
10357 ROLLING KITCHENS
10361 ACE CARPENTRY INC
CTS PROPERTIES LLC
Kenneth Shifflett
PRO LINE FASTENING SYSTEMS INC
QUADD INC
10599 CONTRACTORS STORAGE LLC

| Target Street | Cross Street | Source |
|---|---|---|
| ✓ | - | Cole Information |

# HARRY J PARRISH BLVD 2017

| | |
|---|---|
| 10110 | SUNBELT RENTALS |
| 10114 | SUNBELT RENTALS |
| 10126 | FIRESIDE HEARTH HOME |
| 10154 | GREEN FRONT FURNITURE |
| 10170 | SMARTCOM TECHNOLOGIES |
| 10190 | AMARR GARAGE |
| 10210 | GREEN FRONT FURNITURE INC |
| 10231 | AMERICAN TIRE |
| 10240 | GENERAL PARTY RENTALS |
| 10248 | CLOPAY |
| | CLOYPAY CORP |
| 10292 | TIRE KINGDOM |
| 10330 | MANASSAS AIRPORT LOT 3 LLC |
| 10372 | K & S SURVEY |
| 10600 | AVIATION ADVENTURES |

| Target Street | Cross Street | Source |
|---|---|---|
| - | ✓ | Cole Information |

# RESIDENCY RD 2017

| | |
|---|---|
| 10103 | COMPLETE GAME |
| | ECOLUX WINDOWS & DOORS |
| | ELITE SPORTS |
| | HOME KIM GROUP |
| | UAR RECOVERY |
| 10105 | AWP INC |
| | NATURES TREE INC |
| 10109 | NPL |
| 10111 | STREET DREAMZ |
| 10112 | BRISTOW COLLISION CENTER INC |
| 10115 | MANASSAS GRANITE & MARBLE INC |
| 10119 | LIEBHERR EQUIPMENT SOURCE |
| 10123 | NEWPORT CONCRETE |
| 10130 | TEAM FISHEL |
| 10134 | BDM TRUCK COLLISION REPAIR |
| 10351 | ADVANTAGE GLASS |
| 10361 | ACE CARPENTRY INC |
| | CTS PROPERTIES |
| | TOUCH STONE CUSTOM HOMES |

| Target Street | Cross Street | Source |
|---|---|---|
| ✓ | - | Cole Information |

## HARRY J PARRISH BLVD 2014

| | |
|---|---|
| 10110 | A & R FOODS |
| 10126 | FIRESIDE HEARTH & HOME |
| 10170 | SMARTCOM TECHNOLOGIES |
| 10190 | AMARR GARAGE |
| 10210 | GREEN FRONT FURNITURE INC |
| 10231 | AMERICAN TIRE |
| 10232 | QUALITY CARPET ONE |
| 10248 | CLOYPAY CORP |
| 10292 | TIRE KINGDOM |
| 10330 | MANASSAS AIRPORT LOT 3 LLC |
| 10372 | K & S SURVEY |
| 10400 | OCCUPANT UNKNOWN, |
| 10600 | AVIATION ADVENTURES |
| | HEPP, STACEY |

| Target Street | Cross Street | Source |
|---|---|---|
| - | ✓ | Cole Information |

# RESIDENCY RD 2014

| | |
|---|---|
| 10103 | HOME KIM GROUP |
| 10105 | AWP INC |
| | NATURES TREE INC |
| 10106 | AITCHESON J & H |
| 10107 | TEAM AMERICA CONTRACTORS INC |
| 10109 | N P L |
| 10111 | HENRYS WRECKER SERVICE |
| | STREET DREAMZ |
| 10115 | MANASSAS GRANITE & MARBLE INC |
| 10119 | LIEBHERR EQUIPMENT SOURCE |
| 10123 | NEWPORT CONCRETE |
| | NEWPORT CONCRETE INC |
| 10130 | TEAM FISHEL |
| 10134 | BDM TRUCK COLLISION REPAIR |
| 10220 | AMERICAN RECYCLING CENTER |
| 10351 | GLASS ADVANTAGE |
| 10361 | ACE CARPENTRY INC |
| | CTS PROPERTIES |
| | PROLINE FASTENING SYSTEMS INC |
| | QUADD INC |
| | TOUCH STONE CUSTOM HOMES |

| Target Street | Cross Street | Source |
|---|---|---|
| ✓ | - | Cole Information |

## HARRY J PARRISH BLVD 2010

10126 FIRESIDE HEARTH & HOME
10190 AMARR GARAGE DOORS
10210 GREEN FRONT FURNITURE INC
10232 NOVA KITCHEN & BATH
10248 CLOYPAY CORP
10300 CONTINENTAL SERVICES INC
10396 WOODBINE FAMILY WORSHIP CTR
10400 OCCUPANT UNKNOWN,
10600 AVIATION ADVENTURES

| Target Street | Cross Street | Source |
|---|---|---|
| - | ✓ | Cole Information |

# RESIDENCY RD 2010

| | |
|---|---|
| 10103 | HOMEKIM CONTRACTORS |
| 10105 | ADCOAIR DISTRIBUTING CO |
| | NATURES TREE INC |
| | ZIMAR & ASSOC |
| 10106 | J & H AITCHESON |
| 10107 | DIAMONDS UTILITY CONSTRUCTION |
| | TEAM AMERICA CONTRACTORS INC |
| 10109 | NPL CONSTRUCTION CO |
| 10111 | BRISTOL COLLISION CTR INC |
| | HENRYS WRECKER SVC |
| 10115 | MANASSAS GRANITE & MARBLE INC |
| 10117 | ROADMARK CORP |
| 10119 | LIEBHERR EQUIPMENT SOURCE |
| 10123 | NEWPORT CONCRETE CORP |
| 10130 | AIM ENTERPRISES |
| | FISHEL CO |
| 10134 | GALAXY TRANSFER |
| 10220 | YODER STEEL CORP |
| 10228 | VDOT STATE FORCES CONSTRUCTION |
| 10351 | ADVANTAGE GLASS |
| 10357 | MARYLAND STUCCO SUPPLY INC |
| 10361 | ACE CARPENTRY INC |
| | CTS PROPERTIES LLC |
| | PROLINE FASTENING SYSTEMS INC |
| | TOUCHSTONE CUSTOM HOMES LLC |
| 10599 | CONTRACTORS STORAGE LLC |
| | MULLER EROSION CONTROL INC |

| Target Street | Cross Street | Source |
|---|---|---|
| - | ✓ | Cole Information |

# RESIDENCY RD 2005

10103 HOME KIM CONTRACTORS
10105 ADCO
AIR DISTRIBUTING CO INC
ATLANTIC TREE SERVICE INC
NATURES TREES INC
RAGINMETRO
SAVATREE
ZIMAR & ASSOCIATES
10106 AITCHESON J & H
J & H AITCHESON
10107 PANTHER CORP
10109 N P L
NORTHERN PIPELINE CONSTRUCTION
10111 ADMET INC
HENRYS WRECKER SERVICE
10115 JURASSIC STONE CO
MANASSAS GRANITE & MARBLE INC
10117 ROADMARK CORP
10123 NEWPORT CONCRETE CORP
10126 INTEGRATED DGTL STSTM / SCNMC
INTEGRATED DIGITAL SYSTEMS
10130 FISHEL CO
10134 HOSANNA TRADING
10216 IDS SCANAMERICA INC
10220 YODER STEEL CORP
10228 VIRGINIA COMMONWEALTH OF TRANSPORTAT
10236 CONTRACTORS STORAGE
10351 ADVANTAGE GLASS CO INC
10359 ACE CARPENTRY
10361 ACE CARPENTRY INC
WESTWOOD HOMES LLC

| Target Street | Cross Street | Source |
|---|---|---|
| - | ✓ | Cole Information |

# RESIDENCY RD 2000

| | |
|---|---|
| 10103 | DAW TECHNOLOGY |
| | HOME KIM CONTRACTORS |
| 10105 | ADCO AIR DISTRIBUTING COMPANY INCORPORATED |
| 10106 | AITCHESON J & H INCORPORATED |
| 10109 | DIAMONDS UTILITY CONSTRUCTION |
| 10111 | AIRPORT COLLISION CENTER INCORPORATED |
| | OLDE TOWNE ELECTRIC COMPANY |
| | SIMPSON JOHN INCORPORATED |
| 10115 | D G TILE |
| | JURASSIC STONE COMPANY |
| | MANASSAS GRANITE & MARBLE INCORPORATED |
| | VOGEL ENTERPRISES |
| 10123 | NEWPORT CONCRETE CORPORATION |
| 10126 | A I M ENTERPRISES |
| | ADK MACHINE INCORPORATED |
| | AIM ENTERPRISES INCORPORATED |
| | FIT FOR SERVICE |
| | INTEGRATED DIGITAL SYSTEMS |
| 10228 | VIRGINIA COMMONWEALTH OF TRANSPORTATION DEPARTMENT |
| 10351 | ADVANTAGE GLASS |
| 10355 | K & N TRUCK REPAIR |
| 10357 | OLD TOWN LANDSCAPING |
| 10361 | ACE CARPENTRY INCORPORATED |
| | GRAYSTONE HOMES INCORPORATED |

| Target Street | Cross Street | Source |
|---|---|---|
| - | ✓ | Cole Information |

# RESIDENCY RD 1995

10105 ADCO/AIR DISTRIBUTING CO
CAPITOL COMMNCTN
10106 AITCHESON J&H INC
J & H AITCHESON INC
10111 NOKESVILLE AUTOMOTIVE INC
OLDE TOWNE ELECTRIC CO
10115 CARVING & RESTORATION TEAM
CARVING&RESTORATION
WOOD & STONE INC
WOOD&STONE INC
10126 ADK MACHINE INC
AIM ENTERPRISES INC
10351 CRATES UNLIMITED
KNUTSON, RICHARD
10361 ACE CARPENTRY INC
DECKMASTER
GRAYSTONE HOMES INC

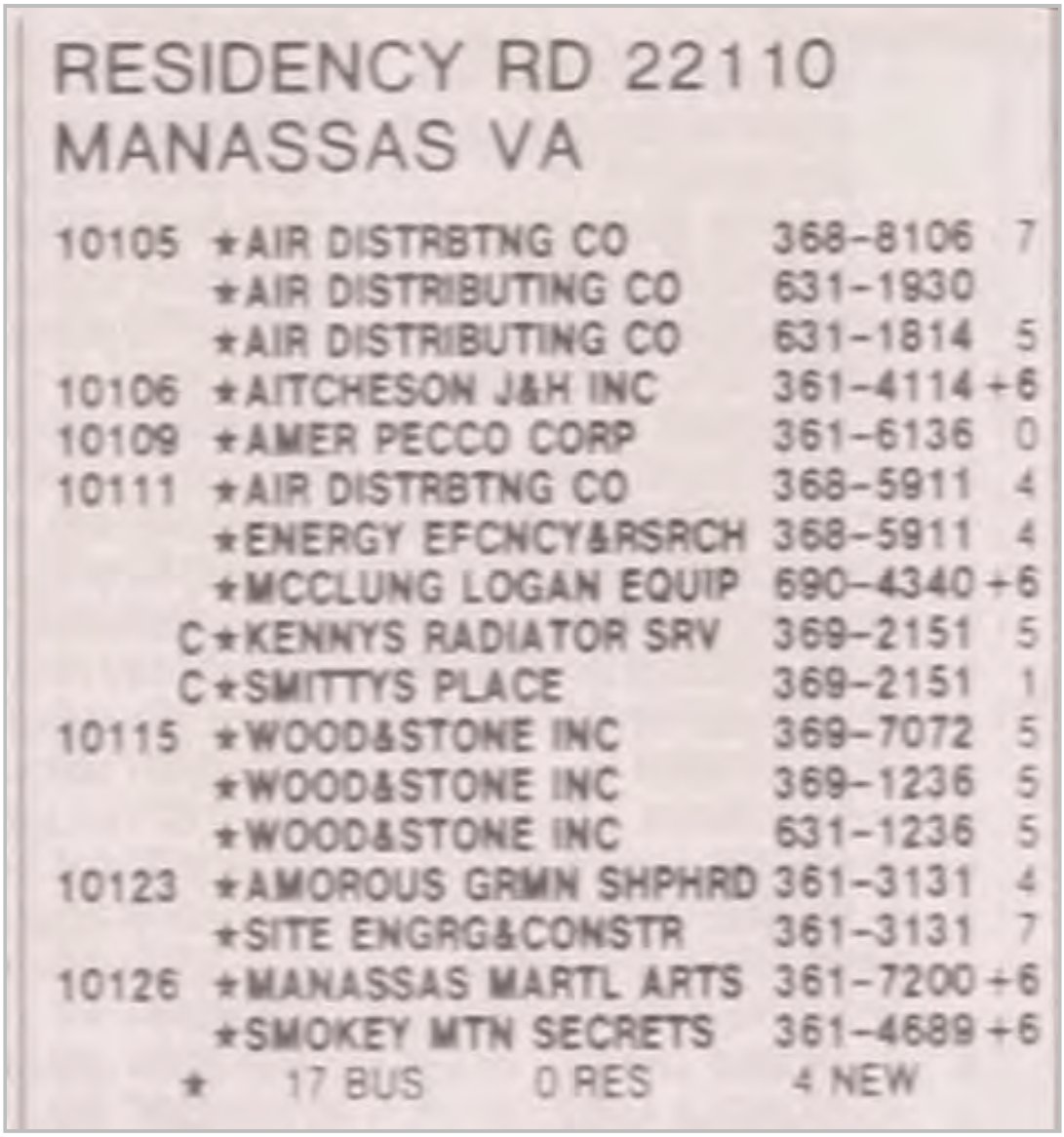
| Target Street | Cross Street | Source |
|---|---|---|
| - | ✓ | Cole Information |

## RESIDENCY RD 1992

| | |
|---|---|
| 10105 | AIR DISTRBTNG CO |
| 10106 | AITCHESON J&H INC |
| 10109 | AMER PECCO CORP |
| 10111 | AIR DISTRBTNG CO |
| | NOKESVILLE AUTOMTV |
| 10115 | WOOD&STONE INC |
| 10123 | AMOROUS GRMN SHPHRD |
| 10126 | A I M ENTERPRISES |
| 10353 | ECOLOGY UNLTD INC |
| 10361 | ACE CARPENTRY |
| | C H BUILDING CONTR |
| | DECKMASTER |
| | GRAYSTONE HOMES INC |

| Target Street | Cross Street | Source |
|---|---|---|
| - | ✓ | Haines Criss-Cross Directory |

## RESIDENCY RD 1986



RESIDENCY RD 22110
MANASSAS VA

| | | | |
|---|---|---|---|
| 10105 | ★AIR DISTRBTNG CO | 368-8106 | 7 |
| | ★AIR DISTRIBUTING CO | 631-1930 | |
| | ★AIR DISTRIBUTING CO | 631-1814 | 5 |
| 10106 | ★AITCHESON J&H INC | 361-4114 | +6 |
| 10109 | ★AMER PECCO CORP | 361-6136 | 0 |
| 10111 | ★AIR DISTRBTNG CO | 368-5911 | 4 |
| | ★ENERGY EFCNCY&RSRCH | 368-5911 | 4 |
| | ★MCCLUNG LOGAN EQUIP | 690-4340 | +6 |
| C | ★KENNYS RADIATOR SRV | 369-2151 | 5 |
| C | ★SMITTYS PLACE | 369-2151 | 1 |
| 10115 | ★WOOD&STONE INC | 369-7072 | 5 |
| | ★WOOD&STONE INC | 369-1236 | 5 |
| | ★WOOD&STONE INC | 631-1236 | 5 |
| 10123 | ★AMOROUS GRMN SHPHRD | 361-3131 | 4 |
| | ★SITE ENGRG&CONSTR | 361-3131 | 7 |
| 10126 | ★MANASSAS MARTL ARTS | 361-7200 | +6 |
| | ★SMOKEY MTN SECRETS | 361-4689 | +6 |

★ 17 BUS 0 RES 4 NEW

# APPENDIX F
# REGULATORY RECORDS REVIEW

**Manassas Regional Airport**
10600 Harry J Parrish Blvd
Manassas, VA  20110

Inquiry Number: 7720538.3s
August 09, 2024

# EDR Area / Corridor Report

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

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| Government Records Searched/Data Currency Tracking | GR-1 |


***Thank you for your business.***
Please contact EDR at 1-800-352-0050
with any questions or comments.


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# EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E1527 - 21), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E2247 - 16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E1528 - 22) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

## SUBJECT PROPERTY INFORMATION

### ADDRESS

10600 HARRY J PARRISH BLVD
MANASSAS, VA 20110

### TARGET PROPERTY SEARCH RESULTS

The Target Property was identified in the following databases.

Page Numbers and Map Identifcations refer to the EDR Area/Corridor Report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

## STANDARD ENVIRONMENTAL RECORDS

### *Lists of Federal RCRA generators*

RCRA-SQG: RCRA - Small Quantity Generators

A review of the RCRA-SQG list, as provided by EDR, and dated 06/03/2024 has revealed that there are 3 RCRA-SQG sites within the requested target property.

| Site | Address | Map ID / Focus Map(s) | Page |
|---|---|---|---|
| ***LEIDOS, INC***<br>EPA ID:: VAR000537852 | ***10660 AVIATION LANE,*** | ***B5 / 5*** | ***39*** |
| LEIDOS, INC. - HANGA<br>EPA ID:: VAR000538991 | 10661 FRANK MARSHALL | C20 / 5 | 99 |
| LEIDOS, INC. - HANGA<br>EPA ID:: VAR000539001 | 10522 WAKEMAN DRIVE | J49 / 5 | 263 |

RCRA-VSQG: RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

A review of the RCRA-VSQG list, as provided by EDR, and dated 06/03/2024 has revealed that there are 4 RCRA-VSQG sites within the requested target property.

| Site | Address | Map ID / Focus Map(s) | Page |
|---|---|---|---|
| ***ASOU OFFSITE***<br>EPA ID:: VAR000500389 | ***10678 AVIATION LANE*** | ***15 / 5*** | ***84*** |
| JET SERVICES INC. | 9998 WAKEMAN DR. | E25 / 5 | 110 |

EPA ID:: VAR000500199

| | | | |
|---|---|---|---|
| ***DULLES AVIATION*** | ***10501 OBSERVATION RD*** | ***K55 / 5*** | ***268*** |
| EPA ID:: VAD982704686 | | | |
| ***T HANGARS OF VA INC*** | ***10527 TERMINAL RD*** | ***L56 / 5*** | ***276*** |
| EPA ID:: VAR000010157 | | | |

***Lists of state and tribal leaking storage tanks***

VA LUST: Leaking Underground Storage Tank Tracking Database

A review of the VA LUST list, as provided by EDR, has revealed that there is 1 VA LUST site within the requested target property.

| Site | Address | Map ID / Focus Map(s) | Page |
|---|---|---|---|
| MANASSAS MUNICIPAL A | 10522 TERMINAL ROAD | L62 / 5 | 300 |
| Database: LUST REG NO, Date of Government Version: 05/18/2004 | | | |
| Facility Status: Closed | | | |
| Pollution Complaint #: 87-0385 | | | |
| Pollution Complaint #: 99-3317 | | | |
| Closed Date: 8/23/1994 | | | |
| Closed Date: 4/19/1999 | | | |
| Facility ID: 3900476 | | | |

VA LTANKS: Leaking Petroleum Storage Tanks

A review of the VA LTANKS list, as provided by EDR, and dated 02/05/2024 has revealed that there are 3 VA LTANKS sites within the requested target property.

| Site | Address | Map ID / Focus Map(s) | Page |
|---|---|---|---|
| MANASSAS REGIONAL AI | 10501 OBSERVATION RD | K54 / 5 | 267 |
| Facility Status: Closed | | | |
| CEDS Facility Id: 200000892459 | | | |
| Pollution Complaint #: 20213148 | | | |
| MANASSAS AIRPORT - N | 10522 TERMINAL RD | L63 / 5 | 300 |
| Facility Status: Closed | | | |
| CEDS Facility Id: 200000078840 | | | |
| Pollution Complaint #: 20013062 | | | |
| Pollution Complaint #: 19993317 | | | |
| Pollution Complaint #: 19910187 | | | |
| Pollution Complaint #: 19870385 | | | |
| MANASSAS AIRPORT - O | | 64 / 5 | 304 |
| Facility Status: Closed | | | |
| CEDS Facility Id: 200000185878 | | | |
| Pollution Complaint #: 19973688 | | | |

# EXECUTIVE SUMMARY

***Lists of state and tribal registered storage tanks***

VA UST: Registered Petroleum Storage Tanks

A review of the VA UST list, as provided by EDR, and dated 05/02/2024 has revealed that there are 2 VA UST sites within the requested target property.

| Site | Address | Map ID / Focus Map(s) | Page |
|---|---|---|---|
| AURORA FLIGHT SCIENC<br>Tank Status: REM FROM GRD<br>Facility Id: 3042584<br>CEDS Facility ID: 2.00001E+11 | 9950 WAKEMAN DR | A3 / 2 | 37 |
| MANASSAS REGIONAL AI<br>Tank Status: CLS IN GRD<br>Tank Status: PERM OUT OF USE<br>Facility Id: 3001899<br>CEDS Facility ID: 2E+11 | 10522 TERMINAL RD | L60 / 5 | 284 |

VA AST: Registered Petroleum Storage Tanks

A review of the VA AST list, as provided by EDR, and dated 05/02/2024 has revealed that there are 2 VA AST sites within the requested target property.

| Site | Address | Map ID / Focus Map(s) | Page |
|---|---|---|---|
| MANASSAS REGIONAL AI<br>Facility ID: 3038736<br>CEDS Facility ID: 2E+11 | 10451 WAKEMAN DR | H42 / 5 | 179 |
| GATEWAY GENERATION<br>Facility ID: 3038092<br>CEDS Facility ID: 2E+11 | 10453 WAKEMAN DR | H44 / 5 | 214 |

**ADDITIONAL ENVIRONMENTAL RECORDS**

***Records of Emergency Release Reports***

VA SPILLS: Prep/Spills Database Listing

A review of the VA SPILLS list, as provided by EDR, has revealed that there are 15 VA SPILLS sites within the requested target property.

| Site | Address | Map ID / Focus Map(s) | Page |
|---|---|---|---|
| Not reported<br>Database: SPILLS, Date of Government Version: 02/21/2024<br>Facility Status: Closed | 10661 FRANK MARSHALL | C21 / 5 | 102 |
| MANASSAS REGIONAL AI<br>Database: SPILLS, Date of Government Version: 02/21/2024<br>Facility Status: Closed | 10661 FRANK MARSHAL | C23 / 5 | 105 |
| MANASSAS REGIONAL AI<br>Database: SPILLS NO, Date of Government Version: 09/23/2009<br>Database: SPILLS, Date of Government Version: 02/21/2024 | 9998 WAKEMAN DRIVE | E26 / 5 | 113 |

IR Number: 2003-N-0467
Incident Response IR #: 2003-N-0467
Date Closed: 6/19/2006
Facility Status: Closed

***APP JET CENTER*** ***9998 WAKEMAN DR.*** ***E29 / 5*** ***120***
Database: SPILLS, Date of Government Version: 02/21/2024
Facility Status: Closed

MANASSAS TANK FARM MANASSAS AIRPORT F30 / 5 125
Database: SPILLS NO, Date of Government Version: 09/23/2009
Database: SPILLS, Date of Government Version: 02/21/2024
IR Number: 2003-N-0377
Incident Response IR #: 2003-N-0377
Date Closed: 1/27/2003
Facility Status: Closed

MANASSAS REST AREA I MILE MARKER 234 F31 / 5 131
Database: SPILLS NO, Date of Government Version: 09/23/2009
Database: SPILLS, Date of Government Version: 02/21/2024
IR Number: 2000-N-0693
Incident Response IR #: 2000-N-0693
Date Closed: 5/1/2000
Facility Status: Closed

MANASSAS REGIONAL AI MANASSAS REGIONAL AI F32 / 5 137
Database: SPILLS NO, Date of Government Version: 09/23/2009
Database: SPILLS, Date of Government Version: 02/21/2024
IR Number: 2010-N-1457
IR Number: 2004-N-0041
Incident Response IR #: 2004-N-0041
Date Closed: 7/11/2003
Facility Status: Closed

MANASSAS REGIONAL AI TANK FARM F33 / 5 145
Database: SPILLS NO, Date of Government Version: 09/23/2009
Database: SPILLS, Date of Government Version: 02/21/2024
IR Number: 2003-N-0783
Incident Response IR #: 2003-N-0783
Facility Status: Closed

Not reported MANASSAS REGIONAL AI F34 / 5 150
Database: SPILLS NO, Date of Government Version: 09/23/2009
Database: SPILLS, Date of Government Version: 02/21/2024
IR Number: 2004-N-1037
Incident Response IR #: 2004-N-1037
Date Closed: 6/16/2004
Facility Status: Closed

MANASSAS REGIONAL AI EAST OF RUNWAY 16R F35 / 5 156
Database: SPILLS NO, Date of Government Version: 09/23/2009
Database: SPILLS, Date of Government Version: 02/21/2024
IR Number: 2004-N-0200
Incident Response IR #: 2004-N-0200
Date Closed: 9/3/2003
Facility Status: Closed

***MANASSAS REGIONAL AI*** ***10600 HARRY J PARRIS*** ***G37 / 5*** ***166***
Database: SPILLS, Date of Government Version: 02/21/2024
Facility Status: Closed

MANASSAS AIRPORT 10522 TERMINAL ROAD L57 / 5 279
Database: SPILLS NO, Date of Government Version: 09/23/2009

Facility Status: CLOSED

MANASSAS AIRPORT — M65 / 5 — 305
Database: SPILLS PC, Date of Government Version: 06/01/1996
PC Number: 187
Facility ID: 91187

MANASSAS AIRPORT — M66 / 5 — 305
Database: SPILLS PC, Date of Government Version: 06/01/1996
PC Number: 240
Facility ID: 91240

MANASSAS AIRPORT — M67 / 5 — 306
Database: SPILLS PC, Date of Government Version: 06/01/1996
PC Number: 385
Facility ID: 87385

***Other Ascertainable Records***

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 06/03/2024 has revealed that there is 1 RCRA NonGen / NLR site within the requested target property.

| Site | Address | Map ID / Focus Map(s) | Page |
|---|---|---|---|
| COLGAN AIR<br>EPA ID:: VAR000504332 | 10677 AVIATION LANE | B12 / 5 | 69 |

US AIRS: Aerometric Information Retrieval System Facility Subsystem

A review of the US AIRS list, as provided by EDR, has revealed that there are 2 US AIRS sites within the requested target property.

| Site | Address | Map ID / Focus Map(s) | Page |
|---|---|---|---|
| ***MANASSAS REGIONAL AI***<br>Database: US AIRS MINOR, Date of Government Version: 10/12/2016 | ***10600 HARRY J PARISH*** | ***G36 / 5*** | ***162*** |
| ***CITY OF MANASSAS - G***<br>Database: US AIRS (AFS), Date of Government Version: 10/12/2016<br>EPA plant ID:: 110031257360 | ***10453 WAKEMAN DRIVE*** | ***H45 / 5*** | ***217*** |

FINDS: Facility Index System/Facility Registry System

A review of the FINDS list, as provided by EDR, and dated 02/09/2024 has revealed that there are 14 FINDS sites within the requested target property.

| Site | Address | Map ID / Focus Map(s) | Page |
|---|---|---|---|
| LEIDOS, INC. - HANGA<br>Registry ID:: 110071133491 | 10660 AVIATION LANE | B4 / 5 | 38 |
| ***COLGAN AIR***<br>Registry ID:: 110016710585 | ***10677 AVIATION LANE*** | ***B10 / 5*** | ***63*** |
| ***ASOU OFFSITE*** | ***10678 AVIATION LANE*** | ***15 / 5*** | ***84*** |

| | | | |
|---|---|---|---|
| Registry ID:: 110005291745 | | | |
| OPTICAL AIR DATA SYS<br>Registry ID:: 110070322979 | 10781 JAMES PAYNE CO | D17 / 5 | 98 |
| LEIDOS, INC. - HANGA<br>Registry ID:: 110071249010 | 10661 FRANK MARSHALL | C19 / 5 | 99 |
| NORTHERN VIRGINIA HE<br>Registry ID:: 110070319886 | 9998 WAKEMAN DRIVE | E27 / 5 | 119 |
| ***JET SERVICES INC.***<br>Registry ID:: 110016710576 | ***9998 WAKEMAN DR.*** | ***E28 / 5*** | ***120*** |
| ***MANASSAS REGIONAL AI***<br>Registry ID:: 110007008095 | ***10600 HARRY J PARISH*** | ***G36 / 5*** | ***162*** |
| ***MANASSAS REGIONAL AI***<br>Registry ID:: 110071503346 | ***10600 HARRY J PARRIS*** | ***G39 / 5*** | ***171*** |
| ***CITY OF MANASSAS - G***<br>Registry ID:: 110031257360 | ***10453 WAKEMAN DRIVE*** | ***H45 / 5*** | ***217*** |
| GATEWAY GEN<br>Registry ID:: 110028046816 | 10509 WAKEMAN DRIVE | I47 / 5 | 258 |
| LEIDOS, INC. - HANGA<br>Registry ID:: 110071249011 | 10522 WAKEMAN DRIVE | J51 / 5 | 266 |
| ***DULLES AVIATION INC***<br>Registry ID:: 110016710674 | ***10501 OBSERVATION RO*** | ***K53 / 5*** | ***267*** |
| ***T HANGARS OF VA INC***<br>Registry ID:: 110005288027 | ***10527 TERMINAL RD*** | ***L56 / 5*** | ***276*** |

ECHO: Enforcement & Compliance History Information

A review of the ECHO list, as provided by EDR, and dated 06/23/2024 has revealed that there are 13 ECHO sites within the requested target property.

| Site | Address | Map ID / Focus Map(s) | Page |
|---|---|---|---|
| LEIDOS, INC. - HANGA<br>Registry ID: 110071133491 | 10660 AVIATION LANE | B6 / 5 | 48 |
| ***COLGAN AIR***<br>Registry ID: 110016710585 | ***10677 AVIATION LANE*** | ***B10 / 5*** | ***63*** |
| ***ASOU OFFSITE***<br>Registry ID: 110005291745 | ***10678 AVIATION LANE*** | ***15 / 5*** | ***84*** |
| LEIDOS, INC. - HANGA<br>Registry ID: 110071249010 | 10661 FRANK MARSHALL | C18 / 5 | 99 |
| ***JET SERVICES INC.***<br>Registry ID: 110016710576 | ***9998 WAKEMAN DR.*** | ***E28 / 5*** | ***120*** |
| REHABILITATE TAXIWAY<br>Registry ID: 110071670295 | 10600 HARRY J. PARRI | G38 / 5 | 171 |
| ***MANASSAS REGIONAL AI***<br>Registry ID: 110071503346 | ***10600 HARRY J PARRIS*** | ***G39 / 5*** | ***171*** |
| MANASSAS REGIONAL AI<br>Registry ID: 110007008095 | 10600 HARRY J PARISH | G40 / 5 | 172 |
| ***CITY OF MANASSAS - G*** | ***10453 WAKEMAN DRIVE*** | ***H45 / 5*** | ***217*** |

| | | | |
|---|---|---|---|
| Registry ID: 110031257360 | | | |
| LEIDOS, INC. - HANGA<br>Registry ID: 110071249011 | 10522 WAKEMAN DRIVE | J50 / 5 | 266 |
| APP HANGER NO. 5 (AK<br>Registry ID: 110071708410 | 10520 WAKEMAN DR | 52 / 5 | 266 |
| ***DULLES AVIATION INC***<br>Registry ID: 110016710674 | ***10501 OBSERVATION RO*** | ***K53 / 5*** | ***267*** |
| ***T HANGARS OF VA INC***<br>Registry ID: 110005288027 | ***10527 TERMINAL RD*** | ***L56 / 5*** | ***276*** |

UST FINDER RELEASE: UST Finder Releases Database

A review of the UST FINDER RELEASE list, as provided by EDR, and dated 06/08/2023 has revealed that there is 1 UST FINDER RELEASE site within the requested target property.

| Site | Address | Map ID / Focus Map(s) | Page |
|---|---|---|---|
| MANASSAS AIRPORT - N | 10522 TERMINAL RD | L58 / 5 | 281 |

UST FINDER: UST Finder Database

A review of the UST FINDER list, as provided by EDR, and dated 06/08/2023 has revealed that there are 2 UST FINDER sites within the requested target property.

| Site | Address | Map ID / Focus Map(s) | Page |
|---|---|---|---|
| AURORA FLIGHT SCIENC | 9950 WAKEMAN DR | A1 / 2 | 27 |
| MANASSAS REGIONAL AI | 10522 TERMINAL RD | L59 / 5 | 281 |

E MANIFEST: Hazardous Waste Electronic Manifest System

A review of the E MANIFEST list, as provided by EDR, and dated 07/24/2023 has revealed that there are 10 E MANIFEST sites within the requested target property.

| Site | Address | Map ID / Focus Map(s) | Page |
|---|---|---|---|
| AURORA FLIGHT SCIENC | 9950 WAKEMAN DR | A2 / 2 | 28 |
| ***LEIDOS, INC*** | ***10660 AVIATION LANE,*** | ***B5 / 5*** | ***39*** |
| LEIDOS, INC | 10660 AVIATION LANE | B7 / 5 | 49 |
| CBP AIR AND MARINE-M | 10667 AVIATION LANE | B8 / 5 | 50 |
| CBP AIR AND MARINE | 10667 AVIATION LANE | B9 / 5 | 55 |
| CHANTILLY AIR | 10761 JAMES PAYNE CT | 14 / 5 | 82 |
| PHI AIR MEDICAL, L.L | 9990 WAKEMAN DRIVE | C16 / 5 | 94 |
| KING AEROSPACE INC. | 10661 FRANK MARSHALL | C22 / 5 | 103 |
| VERTEX AEROSPACE | 10527 WAKEMAN DR | I48 / 5 | 259 |
| ***DULLES AVIATION*** | ***10501 OBSERVATION RD*** | ***K55 / 5*** | ***268*** |

# EXECUTIVE SUMMARY

VA AIRS: Permitted Airs Facility List

A review of the VA AIRS list, as provided by EDR, and dated 03/12/2024 has revealed that there is 1 VA AIRS site within the requested target property.

| Site | Address | Map ID / Focus Map(s) | Page |
|---|---|---|---|
| ***CITY OF MANASSAS - G*** | ***10453 WAKEMAN DRIVE*** | ***H45 / 5*** | ***217*** |
| Registration Number: 73642<br>Facility ID: 200000847106<br>Operating Status: Operating | | | |

VA ENF: Enforcement Actions Data

A review of the VA ENF list, as provided by EDR, and dated 09/26/2023 has revealed that there is 1 VA ENF site within the requested target property.

| Site | Address | Map ID / Focus Map(s) | Page |
|---|---|---|---|
| FLIGHTWORKS INCORPOR | 10791 JAMES PAYNE CT | D24 / 5 | 109 |

NJ MANIFEST: Hazardous Waste Manifest Data

A review of the NJ MANIFEST list, as provided by EDR, and dated 12/31/2018 has revealed that there is 1 NJ MANIFEST site within the requested target property.

| Site | Address | Map ID / Focus Map(s) | Page |
|---|---|---|---|
| ***ASOU OFFSITE*** | ***10678 AVIATION LANE*** | ***15 / 5*** | ***84*** |
| EPA Id: VAR000500389 | | | |

PA MANIFEST: Manifest Information

A review of the PA MANIFEST list, as provided by EDR, and dated 06/30/2018 has revealed that there are 2 PA MANIFEST sites within the requested target property.

| Site | Address | Map ID / Focus Map(s) | Page |
|---|---|---|---|
| COLGAN AIR | 10677 AVIATION LANE | B11 / 5 | 63 |
| Generator EPA Id: VAR000504332 | | | |
| COLGAN AIR | 10677 AVIATION LN | B13 / 5 | 77 |
| Generator EPA Id: VAP000015896 | | | |

VA TIER 2: Tier 2 Information Listing

A review of the VA TIER 2 list, as provided by EDR, and dated 12/31/2020 has revealed that there are 6 VA TIER 2 sites within the requested target property.

| Site | Address | Map ID / Focus Map(s) | Page |
|---|---|---|---|
| ***APP JET CENTER*** | ***9998 WAKEMAN DR.*** | ***E29 / 5*** | ***120*** |
| ***MANASSAS REGIONAL AI*** | ***10600 HARRY J PARRIS*** | ***G37 / 5*** | ***166*** |
| CITY OF MANASSAS - R | 10451 WAKEMAN DRIVE | H41 / 5 | 172 |
| MANASSAS CITY REGION | 10451 WAKEMAN DRIVE | H43 / 5 | 207 |
| ***CITY OF MANASSAS - G*** | ***10453 WAKEMAN DRIVE*** | ***H45 / 5*** | ***217*** |

# EXECUTIVE SUMMARY

| Site | Address | Map ID / Focus Map(s) | Page |
|---|---|---|---|
| CITY OF MANASSAS - A | 10453 WAKEMAN DRIVE | H46 / 5 | 257 |

## EDR RECOVERED GOVERNMENT ARCHIVES

### *Exclusive Recovered Govt. Archives*

VA RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

A review of the VA RGA LUST list, as provided by EDR, has revealed that there is 1 VA RGA LUST site within the requested target property.

| Site | Address | Map ID / Focus Map(s) | Page |
|---|---|---|---|
| MANASSAS MUNICIPAL A<br>Facility ID: 3900476 | 10522 TERMINAL ROAD | L61 / 5 | 299 |

## SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Page Numbers and Map Identifcations refer to the EDR Area/Corridor Report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

## STANDARD ENVIRONMENTAL RECORDS

### *Lists of Federal CERCLA sites with NFRAP*

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

A review of the SEMS-ARCHIVE list, as provided by EDR, and dated 04/22/2024 has revealed that there is 1 SEMS-ARCHIVE site within approximately 0.5 miles of the requested target property.

| Site | Address | Direction / Distance | Map ID / Focus Map(s) | Page |
|---|---|---|---|---|
| AMERICAN PECCO CORP.<br>Site ID: 0302575<br>EPA Id: VAD048581300 | 10108 RESIDENCY RD | NW 1/4 - 1/2 (0.479 mi.) | 89 / 2 | 466 |

# EXECUTIVE SUMMARY

***Lists of Federal RCRA generators***

RCRA-SQG: RCRA - Small Quantity Generators

A review of the RCRA-SQG list, as provided by EDR, and dated 06/03/2024 has revealed that there is 1 RCRA-SQG site within approximately 0.25 miles of the requested target property.

| Site | Address | Direction / Distance | Map ID / Focus Map(s) | Page |
|---|---|---|---|---|
| ***WILCOX WOODWORKS*** | ***10687 WAKEMAN CT*** | ***NW 0 - 1/8 (0.073 mi.)*** | ***68 / 2*** | ***307*** |
| EPA ID:: VA0000347922 | | | | |

RCRA-VSQG: RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

A review of the RCRA-VSQG list, as provided by EDR, and dated 06/03/2024 has revealed that there are 2 RCRA-VSQG sites within approximately 0.25 miles of the requested target property.

| Site | Address | Direction / Distance | Map ID / Focus Map(s) | Page |
|---|---|---|---|---|
| ***VDOT MANASSAS*** | ***10228 RESIDENCY RD*** | ***NW 0 - 1/8 (0.111 mi.)*** | ***N75 / 5*** | ***343*** |
| EPA ID:: VAD988189700 | | | | |
| ***EARLS AUTO BODY*** | ***10597 REDOUBT RD*** | ***NW 1/8 - 1/4 (0.151 mi.)*** | ***O78 / 2*** | ***359*** |
| EPA ID:: VAR000503227 | | | | |

***Lists of state and tribal leaking storage tanks***

VA LUST: Leaking Underground Storage Tank Tracking Database

A review of the VA LUST list, as provided by EDR, has revealed that there is 1 VA LUST site within approximately 0.5 miles of the requested target property.

| Site | Address | Direction / Distance | Map ID / Focus Map(s) | Page |
|---|---|---|---|---|
| ***CITY OF MANASSAS POW*** | ***9898 GODWIN DRIVE*** | ***NE 1/4 - 1/2 (0.425 mi.)*** | ***Q87 / 2*** | ***378*** |
| Database: LUST REG NO, Date of Government Version: 05/18/2004 | | | | |
| Facility Status: Closed | | | | |
| Pollution Complaint #: 95-4178 | | | | |
| Closed Date: 6/21/1995 | | | | |
| Facility ID: 3030117 | | | | |

VA LTANKS: Leaking Petroleum Storage Tanks

A review of the VA LTANKS list, as provided by EDR, and dated 02/05/2024 has revealed that there are 7 VA LTANKS sites within approximately 0.5 miles of the requested target property.

| Site | Address | Direction / Distance | Map ID / Focus Map(s) | Page |
|---|---|---|---|---|
| VDOT - MANASSAS AREA | 10228 RESIDENCY RD | NW 0 - 1/8 (0.111 mi.) | N74 / 5 | 342 |
| Facility Status: Closed | | | | |
| CEDS Facility Id: 200000096828 | | | | |
| Pollution Complaint #: 19900438 | | | | |
| WILLIG ELEANOR RESID | 9620 HEATHER GREEN D | ESE 1/8 - 1/4 (0.248 mi.) | 81 / 6 | 373 |

| | | | | |
|---|---|---|---|---|
| Facility Status: Closed<br>CEDS Facility Id: 200000220784<br>Pollution Complaint #: 20053247 | | | | |
| LONG VERA RESIDENCE<br>Facility Status: Closed<br>CEDS Facility Id: 200000204654<br>Pollution Complaint #: 20023078 | 11726 BRISTOW RD | W 1/4 - 1/2 (0.276 mi.) | 82 / 8 | 374 |
| LILLAIM AND ASSOCIAT<br>Facility Status: Closed<br>CEDS Facility Id: 200000895012<br>Pollution Complaint #: 20223169 | 10126 10130 10134 AN | NW 1/4 - 1/2 (0.287 mi.) | 83 / 2 | 375 |
| BALLANO NICHOLAS RES<br>Facility Status: Closed<br>CEDS Facility Id: 200000218922<br>Pollution Complaint #: 20053181 | 9617 HEATHER GREEN D | ESE 1/4 - 1/2 (0.291 mi.) | 84 / 6 | 376 |
| WARES VAN AND STORAG<br>Facility Status: Closed<br>CEDS Facility Id: 200000097430<br>Pollution Complaint #: 19993162 | 10904 CAROLINA DR | NW 1/4 - 1/2 (0.313 mi.) | P86 / 2 | 377 |
| ***MANASSAS CITY VMEA***<br>Facility Status: Closed<br>CEDS Facility Id: 200000076702<br>Pollution Complaint #: 19954178 | ***9898 GODWIN DR*** | ***NE 1/4 - 1/2 (0.425 mi.)*** | ***Q88 / 2*** | ***382*** |

***Lists of state and tribal registered storage tanks***

VA UST: Registered Petroleum Storage Tanks

A review of the VA UST list, as provided by EDR, and dated 05/02/2024 has revealed that there are 2 VA UST sites within approximately 0.25 miles of the requested target property.

| Site | Address | Direction / Distance | Map ID / Focus Map(s) | Page |
|---|---|---|---|---|
| ***VDOT - MANASSAS RESI***<br>Tank Status: CURR IN USE<br>Tank Status: REM FROM GRD<br>Facility Id: 3019535<br>CEDS Facility ID: 2E+11 | ***10228 RESIDENCY RD*** | ***NW 0 - 1/8 (0.111 mi.)*** | ***N73 / 5*** | ***327*** |
| MCC1<br>Tank Status: CURR IN USE<br>Facility Id: 3043452<br>CEDS Facility ID: 2.00001E+11 | 10880 AIRMAN AVENUE | ENE 1/8 - 1/4 (0.188 mi.) | 80 / 6 | 368 |

VA AST: Registered Petroleum Storage Tanks

A review of the VA AST list, as provided by EDR, and dated 05/02/2024 has revealed that there is 1 VA AST site within approximately 0.25 miles of the requested target property.

| Site | Address | Direction / Distance | Map ID / Focus Map(s) | Page |
|---|---|---|---|---|
| ***VDOT - MANASSAS RESI*** | ***10228 RESIDENCY RD*** | ***NW 0 - 1/8 (0.111 mi.)*** | ***N73 / 5*** | ***327*** |

# EXECUTIVE SUMMARY

Facility ID: 3019535
CEDS Facility ID: 2E+11

**ADDITIONAL ENVIRONMENTAL RECORDS**

***Other Ascertainable Records***

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 06/03/2024 has revealed that there are 2 RCRA NonGen / NLR sites within approximately 0.25 miles of the requested target property.

| Site | Address | Direction / Distance | Map ID / Focus Map(s) | Page |
|---|---|---|---|---|
| ***TRI STATE TOURS*** EPA ID:: VAD988212643 | ***10680 WAKEMAN COURT*** | ***NW 0 - 1/8 (0.075 mi.)*** | ***69 / 2*** | ***320*** |
| CORFU CONTRACTORS EPA ID:: VAR000506774 | 10599 RESIDENCY ROAD | W 1/8 - 1/4 (0.154 mi.) | 79 / 4 | 364 |

UST FINDER RELEASE: UST Finder Releases Database

A review of the UST FINDER RELEASE list, as provided by EDR, and dated 06/08/2023 has revealed that there are 2 UST FINDER RELEASE sites within approximately 0.5 miles of the requested target property.

| Site | Address | Direction / Distance | Map ID / Focus Map(s) | Page |
|---|---|---|---|---|
| VDOT - MANASSAS AREA | 10228 RESIDENCY RD | NW 0 - 1/8 (0.111 mi.) | N72 / 5 | 326 |
| WARES VAN AND STORAG | 10904 CAROLINA DR | NW 1/4 - 1/2 (0.313 mi.) | P85 / 2 | 377 |

UST FINDER: UST Finder Database

A review of the UST FINDER list, as provided by EDR, and dated 06/08/2023 has revealed that there are 3 UST FINDER sites within approximately 0.25 miles of the requested target property.

| Site | Address | Direction / Distance | Map ID / Focus Map(s) | Page |
|---|---|---|---|---|
| VA RAILWAY EXPRESS B | 10637 PIPER LN | SW 0 - 1/8 (0.107 mi.) | 70 / 5 | 324 |
| VDOT - MANASSAS RESI | 10228 RESIDENCY RD | NW 0 - 1/8 (0.111 mi.) | N71 / 5 | 325 |
| MCC1 | 10880 AIRMAN AVENUE | ENE 1/8 - 1/4 (0.143 mi.) | 77 / 6 | 358 |

E MANIFEST: Hazardous Waste Electronic Manifest System

A review of the E MANIFEST list, as provided by EDR, and dated 07/24/2023 has revealed that there are 2 E MANIFEST sites within approximately 0.25 miles of the requested target property.

| Site | Address | Direction / Distance | Map ID / Focus Map(s) | Page |
|---|---|---|---|---|
| ***WILCOX WOODWORKS*** | ***10687 WAKEMAN CT*** | ***NW 0 - 1/8 (0.073 mi.)*** | ***68 / 2*** | ***307*** |
| GARCIA WOOD FINISHIN | 10591 REDOUBT RD | NW 1/8 - 1/4 (0.139 mi.) | O76 / 2 | 355 |

# EXECUTIVE SUMMARY

NJ MANIFEST: Hazardous Waste Manifest Data

A review of the NJ MANIFEST list, as provided by EDR, and dated 12/31/2018 has revealed that there is 1 NJ MANIFEST site within approximately 0.25 miles of the requested target property.

| Site | Address | Direction / Distance | Map ID / Focus Map(s) | Page |
|---|---|---|---|---|
| ***VDOT MANASSAS***<br>EPA Id: VAD988189700 | ***10228 RESIDENCY RD*** | ***NW 0 - 1/8 (0.111 mi.)*** | ***N75 / 5*** | ***343*** |

MAPPED SITES SUMMARY

Target Property:
10600 HARRY J PARRISH BLVD
MANASSAS, VA 20110

| MAP ID / FOCUS MAP | SITE NAME | ADDRESS | DATABASE ACRONYMS | DIST (ft. & mi.) DIRECTION |
|---|---|---|---|---|
| A1 / 2 | AURORA FLIGHT SCIENC | 9950 WAKEMAN DR | UST FINDER | TP |
| A2 / 2 | AURORA FLIGHT SCIENC | 9950 WAKEMAN DR | E MANIFEST | TP |
| A3 / 2 | AURORA FLIGHT SCIENC | 9950 WAKEMAN DR | VA UST | TP |
| B4 / 5 | LEIDOS, INC. - HANGA | 10660 AVIATION LANE | FINDS | TP |
| B5 / 5 | LEIDOS, INC | 10660 AVIATION LANE, | RCRA-SQG, E MANIFEST | TP |
| B6 / 5 | LEIDOS, INC. - HANGA | 10660 AVIATION LANE | ECHO | TP |
| B7 / 5 | LEIDOS, INC | 10660 AVIATION LANE | E MANIFEST | TP |
| B8 / 5 | CBP AIR AND MARINE-M | 10667 AVIATION LANE | E MANIFEST | TP |
| B9 / 5 | CBP AIR AND MARINE | 10667 AVIATION LANE | E MANIFEST | TP |
| B10 / 5 | COLGAN AIR | 10677 AVIATION LANE | FINDS, ECHO | TP |
| B11 / 5 | COLGAN AIR | 10677 AVIATION LANE | PA MANIFEST | TP |
| B12 / 5 | COLGAN AIR | 10677 AVIATION LANE | RCRA NonGen / NLR | TP |
| B13 / 5 | COLGAN AIR | 10677 AVIATION LN | PA MANIFEST | TP |
| 14 / 5 | CHANTILLY AIR | 10761 JAMES PAYNE CT | E MANIFEST | TP |
| 15 / 5 | ASOU OFFSITE | 10678 AVIATION LANE | RCRA-VSQG, FINDS, ECHO, NJ MANIFEST | TP |
| C16 / 5 | PHI AIR MEDICAL, L.L | 9990 WAKEMAN DRIVE | E MANIFEST | TP |
| D17 / 5 | OPTICAL AIR DATA SYS | 10781 JAMES PAYNE CO | FINDS | TP |
| C18 / 5 | LEIDOS, INC. - HANGA | 10661 FRANK MARSHALL | ECHO | TP |
| C19 / 5 | LEIDOS, INC. - HANGA | 10661 FRANK MARSHALL | FINDS | TP |
| C20 / 5 | LEIDOS, INC. - HANGA | 10661 FRANK MARSHALL | RCRA-SQG | TP |
| C21 / 5 | | 10661 FRANK MARSHALL | VA SPILLS | TP |
| C22 / 5 | KING AEROSPACE INC. | 10661 FRANK MARSHALL | E MANIFEST | TP |
| C23 / 5 | MANASSAS REGIONAL AI | 10661 FRANK MARSHAL | VA SPILLS | TP |
| D24 / 5 | FLIGHTWORKS INCORPOR | 10791 JAMES PAYNE CT | VA ENF | TP |
| E25 / 5 | JET SERVICES INC. | 9998 WAKEMAN DR. | RCRA-VSQG | TP |
| E26 / 5 | MANASSAS REGIONAL AI | 9998 WAKEMAN DRIVE | VA SPILLS | TP |
| E27 / 5 | NORTHERN VIRGINIA HE | 9998 WAKEMAN DRIVE | FINDS | TP |
| E28 / 5 | JET SERVICES INC. | 9998 WAKEMAN DR. | FINDS, ECHO | TP |
| E29 / 5 | APP JET CENTER | 9998 WAKEMAN DR. | VA SPILLS, VA TIER 2 | TP |
| F30 / 5 | MANASSAS TANK FARM | MANASSAS AIRPORT | VA SPILLS | TP |
| F31 / 5 | MANASSAS REST AREA I | MILE MARKER 234 | VA SPILLS | TP |
| F32 / 5 | MANASSAS REGIONAL AI | MANASSAS REGIONAL AI | VA SPILLS | TP |
| F33 / 5 | MANASSAS REGIONAL AI | TANK FARM | VA SPILLS | TP |
| F34 / 5 | | MANASSAS REGIONAL AI | VA SPILLS | TP |
| F35 / 5 | MANASSAS REGIONAL AI | EAST OF RUNWAY 16R | VA SPILLS | TP |
| G36 / 5 | MANASSAS REGIONAL AI | 10600 HARRY J PARISH | US AIRS, FINDS | TP |
| G37 / 5 | MANASSAS REGIONAL AI | 10600 HARRY J PARRIS | VA SPILLS, VA TIER 2 | TP |
| G38 / 5 | REHABILITATE TAXIWAY | 10600 HARRY J. PARRI | ECHO | TP |
| G39 / 5 | MANASSAS REGIONAL AI | 10600 HARRY J PARRIS | FINDS, ECHO | TP |

MAPPED SITES SUMMARY

Target Property:
10600 HARRY J PARRISH BLVD
MANASSAS, VA 20110

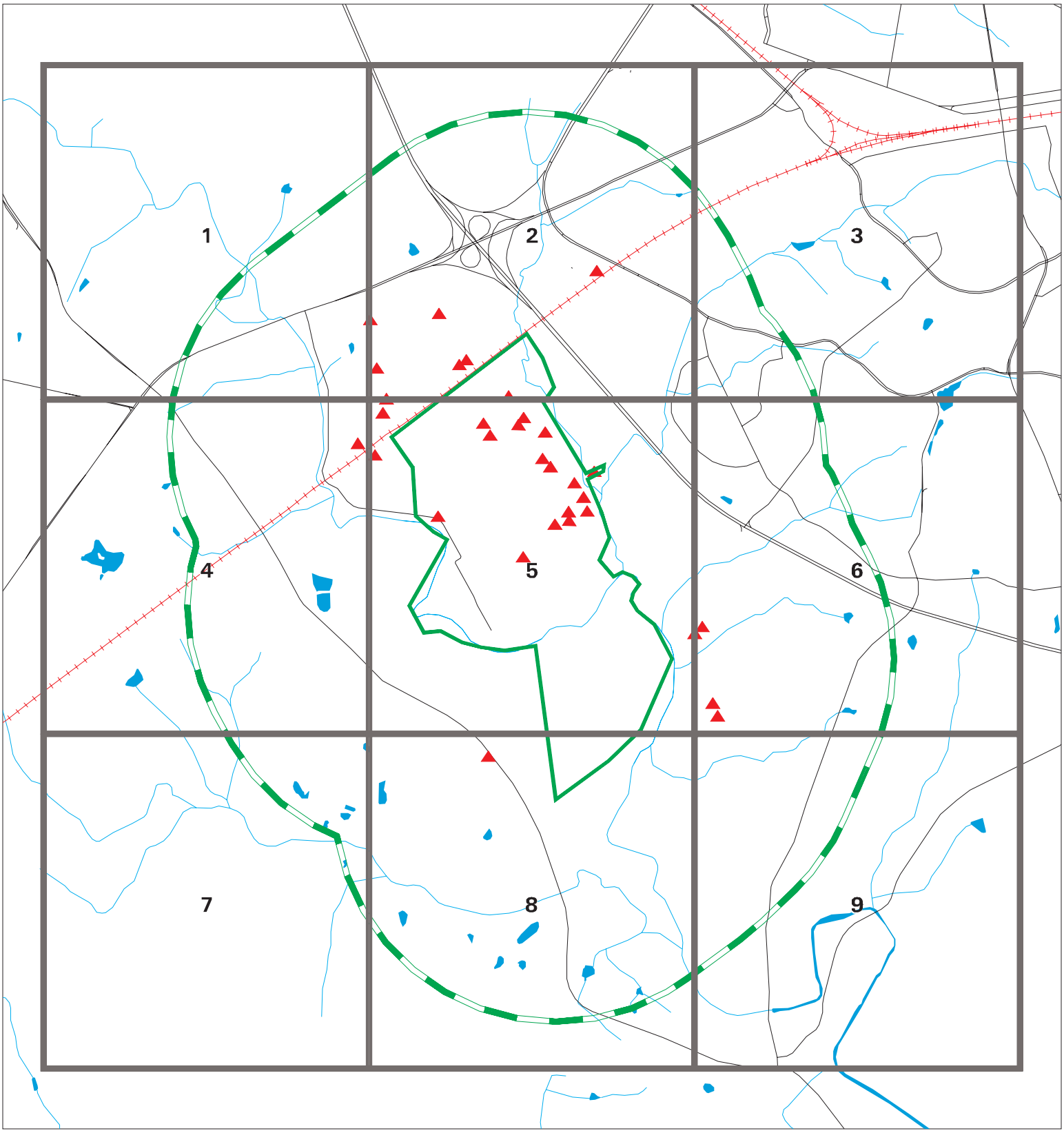
| MAP ID / FOCUS MAP | SITE NAME | ADDRESS | DATABASE ACRONYMS | DIST (ft. & mi.) DIRECTION | | |
|---|---|---|---|---|---|---|
| G40 / 5 | MANASSAS REGIONAL AI | 10600 HARRY J PARISH | ECHO | TP | | |
| H41 / 5 | CITY OF MANASSAS - R | 10451 WAKEMAN DRIVE | VA TIER 2 | TP | | |
| H42 / 5 | MANASSAS REGIONAL AI | 10451 WAKEMAN DR | VA AST | TP | | |
| H43 / 5 | MANASSAS CITY REGION | 10451 WAKEMAN DRIVE | VA TIER 2 | TP | | |
| H44 / 5 | GATEWAY GENERATION | 10453 WAKEMAN DR | VA AST | TP | | |
| H45 / 5 | CITY OF MANASSAS - G | 10453 WAKEMAN DRIVE | US AIRS, FINDS, ECHO, VA AIRS, VA TIER 2 | TP | | |
| H46 / 5 | CITY OF MANASSAS - A | 10453 WAKEMAN DRIVE | VA TIER 2 | TP | | |
| I47 / 5 | GATEWAY GEN | 10509 WAKEMAN DRIVE | FINDS | TP | | |
| I48 / 5 | VERTEX AEROSPACE | 10527 WAKEMAN DR | E MANIFEST | TP | | |
| J49 / 5 | LEIDOS, INC. - HANGA | 10522 WAKEMAN DRIVE | RCRA-SQG | TP | | |
| J50 / 5 | LEIDOS, INC. - HANGA | 10522 WAKEMAN DRIVE | ECHO | TP | | |
| J51 / 5 | LEIDOS, INC. - HANGA | 10522 WAKEMAN DRIVE | FINDS | TP | | |
| 52 / 5 | APP HANGER NO. 5 (AK | 10520 WAKEMAN DR | ECHO | TP | | |
| K53 / 5 | DULLES AVIATION INC | 10501 OBSERVATION RO | FINDS, ECHO | TP | | |
| K54 / 5 | MANASSAS REGIONAL AI | 10501 OBSERVATION RD | VA LTANKS | TP | | |
| K55 / 5 | DULLES AVIATION | 10501 OBSERVATION RD | RCRA-VSQG, E MANIFEST | TP | | |
| L56 / 5 | T HANGARS OF VA INC | 10527 TERMINAL RD | RCRA-VSQG, FINDS, ECHO | TP | | |
| L57 / 5 | MANASSAS AIRPORT | 10522 TERMINAL ROAD | VA SPILLS | TP | | |
| L58 / 5 | MANASSAS AIRPORT - N | 10522 TERMINAL RD | UST FINDER RELEASE | TP | | |
| L59 / 5 | MANASSAS REGIONAL AI | 10522 TERMINAL RD | UST FINDER | TP | | |
| L60 / 5 | MANASSAS REGIONAL AI | 10522 TERMINAL RD | VA UST | TP | | |
| L61 / 5 | MANASSAS MUNICIPAL A | 10522 TERMINAL ROAD | VA RGA LUST | TP | | |
| L62 / 5 | MANASSAS MUNICIPAL A | 10522 TERMINAL ROAD | VA LUST | TP | | |
| L63 / 5 | MANASSAS AIRPORT - N | 10522 TERMINAL RD | VA LTANKS | TP | | |
| 64 / 5 | MANASSAS AIRPORT - O | | VA LTANKS | TP | | |
| M65 / 5 | MANASSAS AIRPORT | | VA SPILLS | TP | | |
| M66 / 5 | MANASSAS AIRPORT | | VA SPILLS | TP | | |
| M67 / 5 | MANASSAS AIRPORT | | VA SPILLS | TP | | |
| 68 / 2 | WILCOX WOODWORKS | 10687 WAKEMAN CT | RCRA-SQG, FINDS, ECHO, E MANIFEST | 383 | 0.073 | NW |
| 69 / 2 | TRI STATE TOURS | 10680 WAKEMAN COURT | RCRA NonGen / NLR, FINDS, ECHO | 395 | 0.075 | NW |
| 70 / 5 | VA RAILWAY EXPRESS B | 10637 PIPER LN | UST FINDER | 564 | 0.107 | SW |
| N71 / 5 | VDOT - MANASSAS RESI | 10228 RESIDENCY RD | UST FINDER | 584 | 0.111 | NW |
| N72 / 5 | VDOT - MANASSAS AREA | 10228 RESIDENCY RD | UST FINDER RELEASE | 584 | 0.111 | NW |
| N73 / 5 | VDOT - MANASSAS RESI | 10228 RESIDENCY RD | VA UST, VA AST, VA Financial Assurance, ... | 584 | 0.111 | NW |
| N74 / 5 | VDOT - MANASSAS AREA | 10228 RESIDENCY RD | VA LTANKS | 584 | 0.111 | NW |
| N75 / 5 | VDOT MANASSAS | 10228 RESIDENCY RD | RCRA-VSQG, FINDS, ECHO, NJ MANIFEST | 584 | 0.111 | NW |
| O76 / 2 | GARCIA WOOD FINISHIN | 10591 REDOUBT RD | E MANIFEST | 733 | 0.139 | NW |
| 77 / 6 | MCC1 | 10880 AIRMAN AVENUE | UST FINDER | 755 | 0.143 | ENE |
| O78 / 2 | EARLS AUTO BODY | 10597 REDOUBT RD | RCRA-VSQG, US AIRS, FINDS, ECHO | 798 | 0.151 | NW |

MAPPED SITES SUMMARY

Target Property:
10600 HARRY J PARRISH BLVD
MANASSAS, VA 20110

| MAP ID / FOCUS MAP | SITE NAME | ADDRESS | DATABASE ACRONYMS | DIST (ft. & mi.) DIRECTION |
|---|---|---|---|---|
| 79 / 4 | CORFU CONTRACTORS | 10599 RESIDENCY ROAD | RCRA NonGen / NLR | 812 0.154 West |
| 80 / 6 | MCC1 | 10880 AIRMAN AVENUE | VA UST | 992 0.188 ENE |
| 81 / 6 | WILLIG ELEANOR RESID | 9620 HEATHER GREEN D | VA LTANKS | 1310 0.248 ESE |
| 82 / 8 | LONG VERA RESIDENCE | 11726 BRISTOW RD | VA LTANKS | 1455 0.276 West |
| 83 / 2 | LILLAIM AND ASSOCIAT | 10126 10130 10134 AN | VA LTANKS | 1514 0.287 NW |
| 84 / 6 | BALLANO NICHOLAS RES | 9617 HEATHER GREEN D | VA LTANKS | 1536 0.291 ESE |
| P85 / 2 | WARES VAN AND STORAG | 10904 CAROLINA DR | UST FINDER RELEASE | 1654 0.313 NW |
| P86 / 2 | WARES VAN AND STORAG | 10904 CAROLINA DR | VA LTANKS | 1654 0.313 NW |
| Q87 / 2 | CITY OF MANASSAS POW | 9898 GODWIN DRIVE | VA LUST, VA TIER 2 | 2245 0.425 NE |
| Q88 / 2 | MANASSAS CITY VMEA | 9898 GODWIN DR | VA LTANKS, VA SPILLS, VA AIRS | 2245 0.425 NE |
| 89 / 2 | AMERICAN PECCO CORP. | 10108 RESIDENCY RD | SEMS-ARCHIVE | 2527 0.479 NW |

# Key Map - 7720538.3s




Sites
Target Property
Search Buffer
Focus Map - No Sites
Focus Map - Sites
National Priority List Sites
Dept. Defense Sites
Indian Reservations BIA

0 1/2 1 Miles

| | |
|---|---|
| SITE NAME: Manassas Regional Airport | CLIENT: AKRF, Inc. |
| ADDRESS: 10600 Harry J Parrish Blvd | CONTACT: Bryan Murty |
| CITY/STATE: Manassas VA | INQUIRY #: 7720538.3s |
| ZIP: 20110 | DATE: 08/09/24 4:39 PM |

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# MAP FINDINGS SUMMARY

| Database | Search Distance (Miles) | Target Property | < 1/8 | 1/8 - 1/4 | 1/4 - 1/2 | 1/2 - 1 | > 1 | Total Plotted |
|---|---|---|---|---|---|---|---|---|
| **STANDARD ENVIRONMENTAL RECORDS** | | | | | | | | |
| ***Lists of Federal NPL (Superfund) sites*** | | | | | | | | |
| NPL | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| Proposed NPL | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| NPL LIENS | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| ***Lists of Federal Delisted NPL sites*** | | | | | | | | |
| Delisted NPL | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| ***Lists of Federal sites subject to CERCLA removals and CERCLA orders*** | | | | | | | | |
| FEDERAL FACILITY | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| SEMS | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| ***Lists of Federal CERCLA sites with NFRAP*** | | | | | | | | |
| SEMS-ARCHIVE | 0.500 | | 0 | 0 | 1 | NR | NR | 1 |
| ***Lists of Federal RCRA facilities undergoing Corrective Action*** | | | | | | | | |
| CORRACTS | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| ***Lists of Federal RCRA TSD facilities*** | | | | | | | | |
| RCRA-TSDF | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| ***Lists of Federal RCRA generators*** | | | | | | | | |
| RCRA-LQG | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| RCRA-SQG | 0.250 | 3 | 1 | 0 | NR | NR | NR | 4 |
| RCRA-VSQG | 0.250 | 4 | 1 | 1 | NR | NR | NR | 6 |
| ***Federal institutional controls / engineering controls registries*** | | | | | | | | |
| LUCIS | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| US ENG CONTROLS | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| US INST CONTROLS | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| ***Federal ERNS list*** | | | | | | | | |
| ERNS | TP | | NR | NR | NR | NR | NR | 0 |
| ***Lists of state- and tribal hazardous waste facilities*** | | | | | | | | |
| VA SHWS | N/A | | N/A | N/A | N/A | N/A | N/A | N/A |
| ***Lists of state and tribal landfills and solid waste disposal facilities*** | | | | | | | | |
| VA SWF/LF | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| ***Lists of state and tribal leaking storage tanks*** | | | | | | | | |
| VA LUST | 0.500 | 1 | 0 | 0 | 1 | NR | NR | 2 |

# MAP FINDINGS SUMMARY

| Database | Search Distance (Miles) | Target Property | < 1/8 | 1/8 - 1/4 | 1/4 - 1/2 | 1/2 - 1 | > 1 | Total Plotted |
|---|---|---|---|---|---|---|---|---|
| INDIAN LUST | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| VA LTANKS | 0.500 | 3 | 1 | 1 | 5 | NR | NR | 10 |
| ***Lists of state and tribal registered storage tanks*** | | | | | | | | |
| FEMA UST | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| VA UST | 0.250 | 2 | 1 | 1 | NR | NR | NR | 4 |
| VA AST | 0.250 | 2 | 1 | 0 | NR | NR | NR | 3 |
| INDIAN UST | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| ***State and tribal institutional control / engineering control registries*** | | | | | | | | |
| VA ENG CONTROLS | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| VA INST CONTROL | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| ***Lists of state and tribal voluntary cleanup sites*** | | | | | | | | |
| VA VCP | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| INDIAN VCP | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| ***Lists of state and tribal brownfield sites*** | | | | | | | | |
| VA BROWNFIELDS | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| **ADDITIONAL ENVIRONMENTAL RECORDS** | | | | | | | | |
| ***Local Brownfield lists*** | | | | | | | | |
| US BROWNFIELDS | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| ***Local Lists of Landfill / Solid Waste Disposal Sites*** | | | | | | | | |
| INDIAN ODI | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| DEBRIS REGION 9 | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| ODI | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| IHS OPEN DUMPS | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| ***Local Lists of Hazardous waste / Contaminated Sites*** | | | | | | | | |
| US HIST CDL | TP | | NR | NR | NR | NR | NR | 0 |
| US CDL | TP | | NR | NR | NR | NR | NR | 0 |
| ***Local Land Records*** | | | | | | | | |
| LIENS 2 | TP | | NR | NR | NR | NR | NR | 0 |
| ***Records of Emergency Release Reports*** | | | | | | | | |
| HMIRS | TP | | NR | NR | NR | NR | NR | 0 |
| VA SPILLS | TP | 15 | NR | NR | NR | NR | NR | 15 |
| VA SPILLS 90 | TP | | NR | NR | NR | NR | NR | 0 |
| ***Other Ascertainable Records*** | | | | | | | | |
| RCRA NonGen / NLR | 0.250 | 1 | 1 | 1 | NR | NR | NR | 3 |
| FUDS | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| DOD | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |

# MAP FINDINGS SUMMARY

| Database | Search Distance (Miles) | Target Property | < 1/8 | 1/8 - 1/4 | 1/4 - 1/2 | 1/2 - 1 | > 1 | Total Plotted |
|---|---|---|---|---|---|---|---|---|
| SCRD DRYCLEANERS | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| US FIN ASSUR | TP | | NR | NR | NR | NR | NR | 0 |
| EPA WATCH LIST | TP | | NR | NR | NR | NR | NR | 0 |
| 2020 COR ACTION | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| TSCA | TP | | NR | NR | NR | NR | NR | 0 |
| TRIS | TP | | NR | NR | NR | NR | NR | 0 |
| SSTS | TP | | NR | NR | NR | NR | NR | 0 |
| ROD | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| RMP | TP | | NR | NR | NR | NR | NR | 0 |
| RAATS | TP | | NR | NR | NR | NR | NR | 0 |
| PRP | TP | | NR | NR | NR | NR | NR | 0 |
| PADS | TP | | NR | NR | NR | NR | NR | 0 |
| ICIS | TP | | NR | NR | NR | NR | NR | 0 |
| FTTS | TP | | NR | NR | NR | NR | NR | 0 |
| MLTS | TP | | NR | NR | NR | NR | NR | 0 |
| COAL ASH DOE | TP | | NR | NR | NR | NR | NR | 0 |
| COAL ASH EPA | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| PCB TRANSFORMER | TP | | NR | NR | NR | NR | NR | 0 |
| RADINFO | TP | | NR | NR | NR | NR | NR | 0 |
| HIST FTTS | TP | | NR | NR | NR | NR | NR | 0 |
| DOT OPS | TP | | NR | NR | NR | NR | NR | 0 |
| CONSENT | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| INDIAN RESERV | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| FUSRAP | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| UMTRA | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| LEAD SMELTERS | TP | | NR | NR | NR | NR | NR | 0 |
| US AIRS | TP | 2 | NR | NR | NR | NR | NR | 2 |
| US MINES | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| MINES MRDS | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| ABANDONED MINES | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| FINDS | TP | 14 | NR | NR | NR | NR | NR | 14 |
| ECHO | TP | 13 | NR | NR | NR | NR | NR | 13 |
| UXO | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| DOCKET HWC | TP | | NR | NR | NR | NR | NR | 0 |
| FUELS PROGRAM | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| PFAS NPL | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| PFAS FEDERAL SITES | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| PFAS TSCA | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| PFAS TRIS | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| PFAS RCRA MANIFEST | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| PFAS ATSDR | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| PFAS WQP | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| PFAS NPDES | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| PFAS PROJECT | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| PFAS ECHO | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| PFAS ECHO FIRE TRAIN | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| PFAS PT 139 AIRPORT | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| AQUEOUS FOAM NRC | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| BIOSOLIDS | TP | | NR | NR | NR | NR | NR | 0 |
| UST FINDER RELEASE | 0.500 | 1 | 1 | 0 | 1 | NR | NR | 3 |
| UST FINDER | 0.250 | 2 | 2 | 1 | NR | NR | NR | 5 |

# MAP FINDINGS SUMMARY

| Database | Search Distance (Miles) | Target Property | < 1/8 | 1/8 - 1/4 | 1/4 - 1/2 | 1/2 - 1 | > 1 | Total Plotted |
|---|---|---|---|---|---|---|---|---|
| E MANIFEST | 0.250 | 10 | 1 | 1 | NR | NR | NR | 12 |
| VA AIRS | TP | 1 | NR | NR | NR | NR | NR | 1 |
| VA NPDES | TP | | NR | NR | NR | NR | NR | 0 |
| VA COAL ASH | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| VA DRYCLEANERS | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| VA ENF | TP | 1 | NR | NR | NR | NR | NR | 1 |
| VA Financial Assurance | TP | | NR | NR | NR | NR | NR | 0 |
| NJ MANIFEST | 0.250 | 1 | 1 | 0 | NR | NR | NR | 2 |
| PA MANIFEST | 0.250 | 2 | 0 | 0 | NR | NR | NR | 2 |
| VA TIER 2 | TP | 6 | NR | NR | NR | NR | NR | 6 |
| VA UIC | TP | | NR | NR | NR | NR | NR | 0 |
| **EDR HIGH RISK HISTORICAL RECORDS** | | | | | | | | |
| ***EDR Exclusive Records*** | | | | | | | | |
| EDR MGP | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| EDR Hist Auto | 0.125 | | 0 | NR | NR | NR | NR | 0 |
| EDR Hist Cleaner | 0.125 | | 0 | NR | NR | NR | NR | 0 |
| **EDR RECOVERED GOVERNMENT ARCHIVES** | | | | | | | | |
| ***Exclusive Recovered Govt. Archives*** | | | | | | | | |
| VA RGA LF | TP | | NR | NR | NR | NR | NR | 0 |
| VA RGA LUST | TP | 1 | NR | NR | NR | NR | NR | 1 |
| - Totals -- | | 85 | 11 | 6 | 8 | 0 | 0 | 110 |

NOTES:

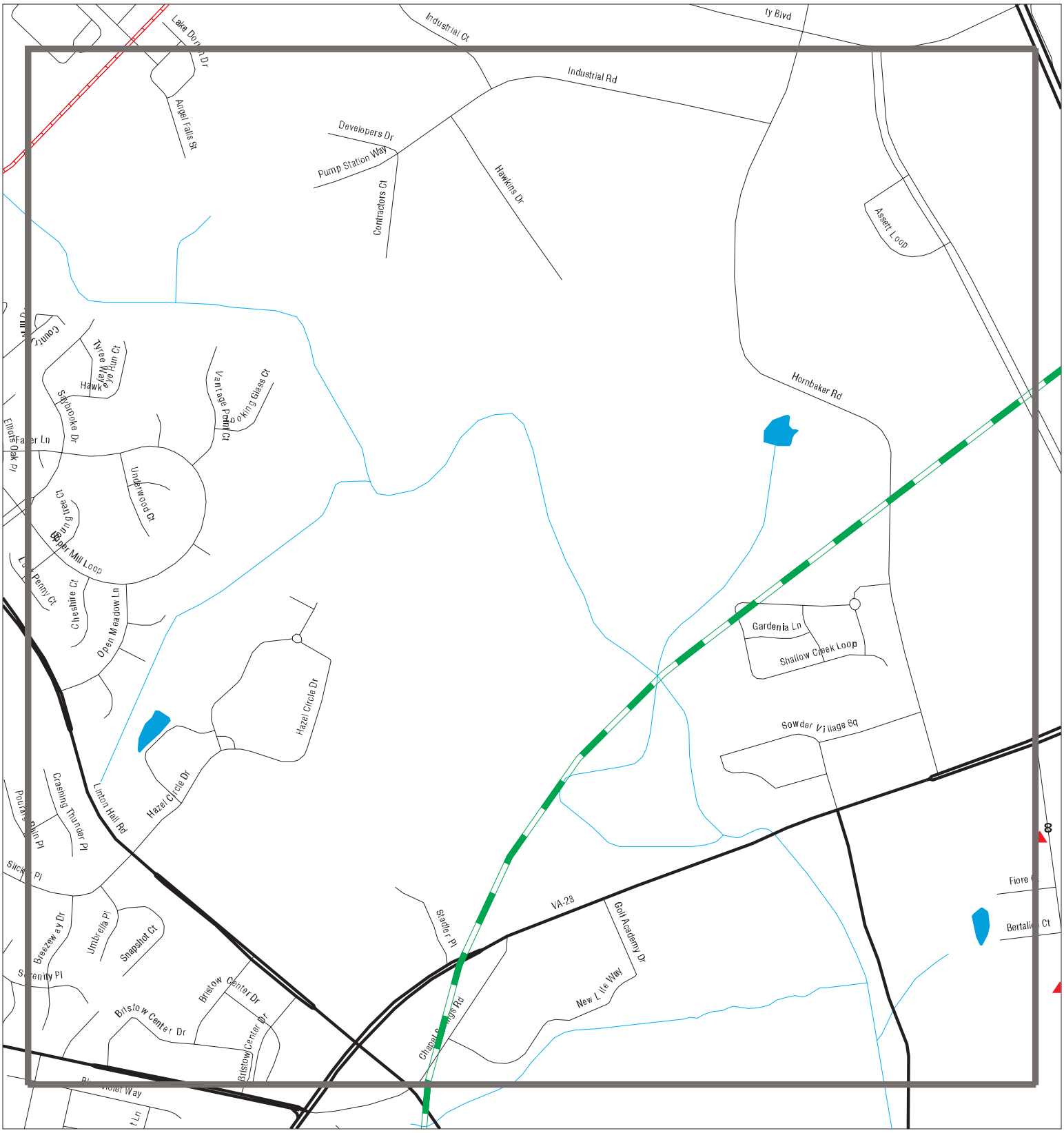
TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

N/A = This State does not maintain a SHWS list. See the Federal CERCLIS list.

# Focus Map - 1 - 7720538.3s




Sites
Target Property
Search Buffer
Focus Map - No Sites
Focus Map - Sites
Power Line
Pipe Line
National Priority List Sites
Dept. Defense Sites
Indian Reservations BIA

0 1/8 1/4 Miles

| | |
|---|---|
| SITE NAME: Manassas Regional Airport | CLIENT: AKRF, Inc. |
| ADDRESS: 10600 Harry J Parrish Blvd | CONTACT: Bryan Murty |
| CITY/STATE: Manassas VA | INQUIRY #: 7720538.3s |
| ZIP: 20110 | DATE: 08/09/24 |

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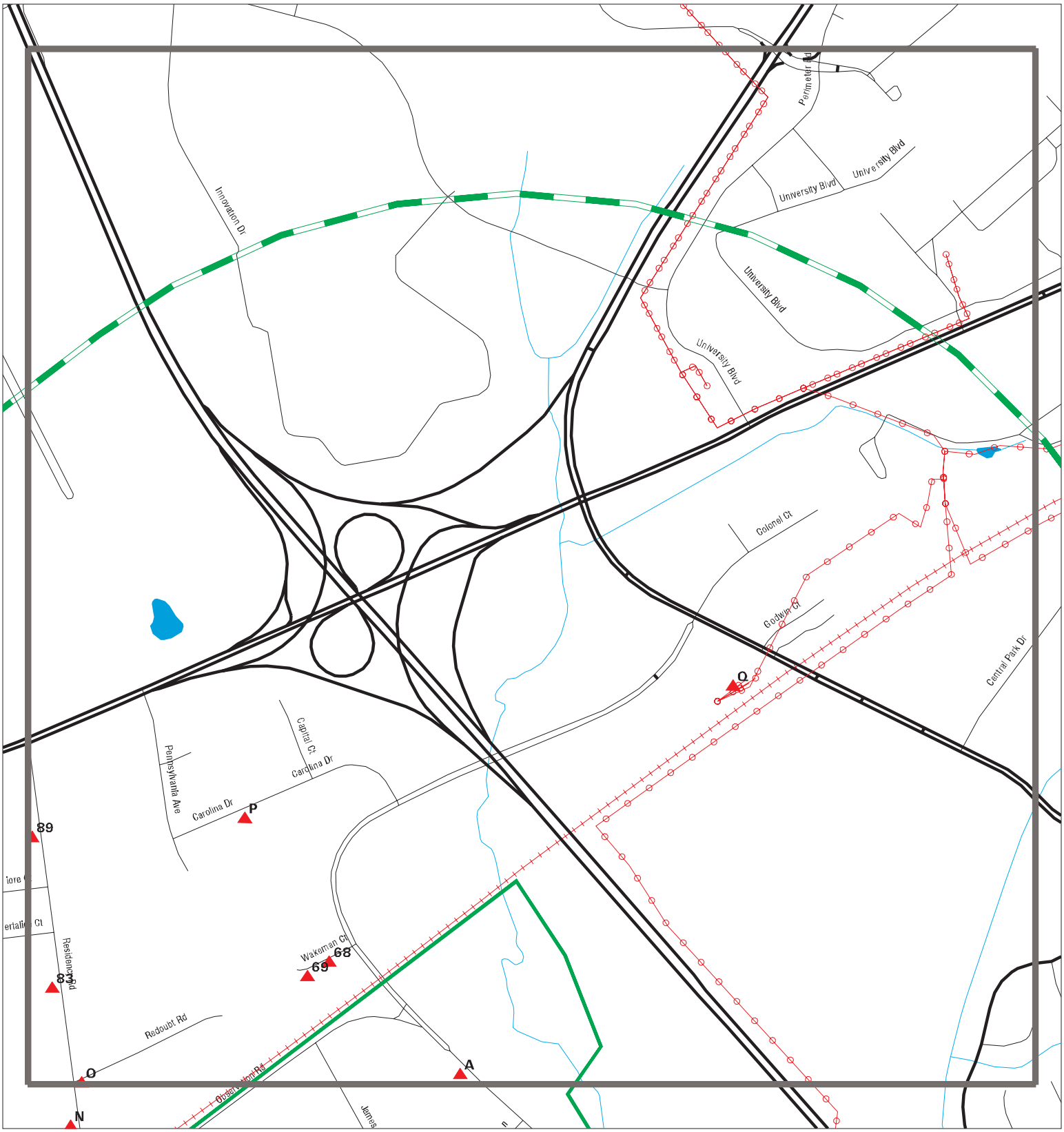
MAPPED SITES SUMMARY - FOCUS MAP 1

Target Property:
10600 HARRY J PARRISH BLVD
MANASSAS, VA 20110

| MAP ID / FOCUS MAP | SITE NAME | ADDRESS | DATABASE ACRONYMS | DIST (ft. & mi.) DIRECTION |
|---|---|---|---|---|

NO MAPPED SITES FOUND

# Focus Map - 2 - 7720538.3s




Sites
Target Property
Search Buffer
Focus Map - No Sites
Focus Map - Sites
Power Line
Pipe Line
National Priority List Sites
Dept. Defense Sites
Indian Reservations BIA

0 1/8 1/4 Miles

| | |
|---|---|
| SITE NAME: Manassas Regional Airport | CLIENT: AKRF, Inc. |
| ADDRESS: 10600 Harry J Parrish Blvd | CONTACT: Bryan Murty |
| CITY/STATE: Manassas VA | INQUIRY #: 7720538.3s |
| ZIP: 20110 | DATE: 08/09/24 |

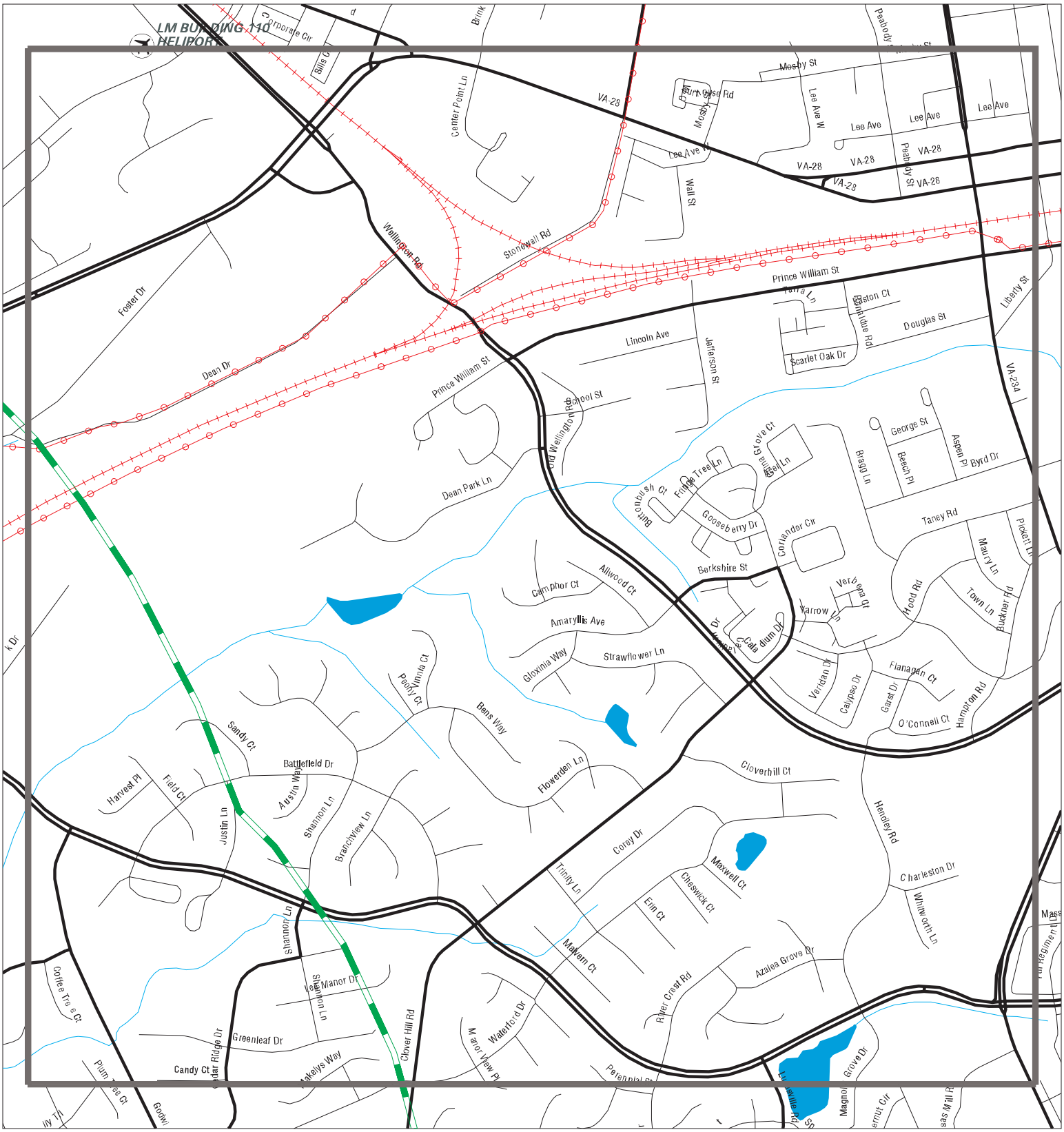
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MAPPED SITES SUMMARY - FOCUS MAP 2

Target Property:
10600 HARRY J PARRISH BLVD
MANASSAS, VA 20110

| MAP ID / FOCUS MAP | SITE NAME | ADDRESS | DATABASE ACRONYMS | DIST (ft. & mi.) DIRECTION |
|---|---|---|---|---|
| A1 / 2 | AURORA FLIGHT SCIENC | 9950 WAKEMAN DR | UST FINDER | TP |
| A2 / 2 | AURORA FLIGHT SCIENC | 9950 WAKEMAN DR | E MANIFEST | TP |
| A3 / 2 | AURORA FLIGHT SCIENC | 9950 WAKEMAN DR | VA UST | TP |
| 68 / 2 | WILCOX WOODWORKS | 10687 WAKEMAN CT | RCRA-SQG, FINDS, ECHO, E MANIFEST | 383 0.073 NW |
| 69 / 2 | TRI STATE TOURS | 10680 WAKEMAN COURT | RCRA NonGen / NLR, FINDS, ECHO | 395 0.075 NW |
| O76 / 2 | GARCIA WOOD FINISHIN | 10591 REDOUBT RD | E MANIFEST | 733 0.139 NW |
| O78 / 2 | EARLS AUTO BODY | 10597 REDOUBT RD | RCRA-VSQG, US AIRS, FINDS, ECHO | 798 0.151 NW |
| 83 / 2 | LILLAIM AND ASSOCIAT | 10126 10130 10134 AN | VA LTANKS | 1514 0.287 NW |
| P85 / 2 | WARES VAN AND STORAG | 10904 CAROLINA DR | UST FINDER RELEASE | 1654 0.313 NW |
| P86 / 2 | WARES VAN AND STORAG | 10904 CAROLINA DR | VA LTANKS | 1654 0.313 NW |
| Q87 / 2 | CITY OF MANASSAS POW | 9898 GODWIN DRIVE | VA LUST, VA TIER 2 | 2245 0.425 NE |
| Q88 / 2 | MANASSAS CITY VMEA | 9898 GODWIN DR | VA LTANKS, VA SPILLS, VA AIRS | 2245 0.425 NE |
| 89 / 2 | AMERICAN PECCO CORP. | 10108 RESIDENCY RD | SEMS-ARCHIVE | 2527 0.479 NW |

# Focus Map - 3 - 7720538.3s




| | |
|---|---|
| SITE NAME: Manassas Regional Airport | CLIENT: AKRF, Inc. |
| ADDRESS: 10600 Harry J Parrish Blvd | CONTACT: Bryan Murty |
| CITY/STATE: Manassas VA | INQUIRY #: 7720538.3s |
| ZIP: 20110 | DATE: 08/09/24 |

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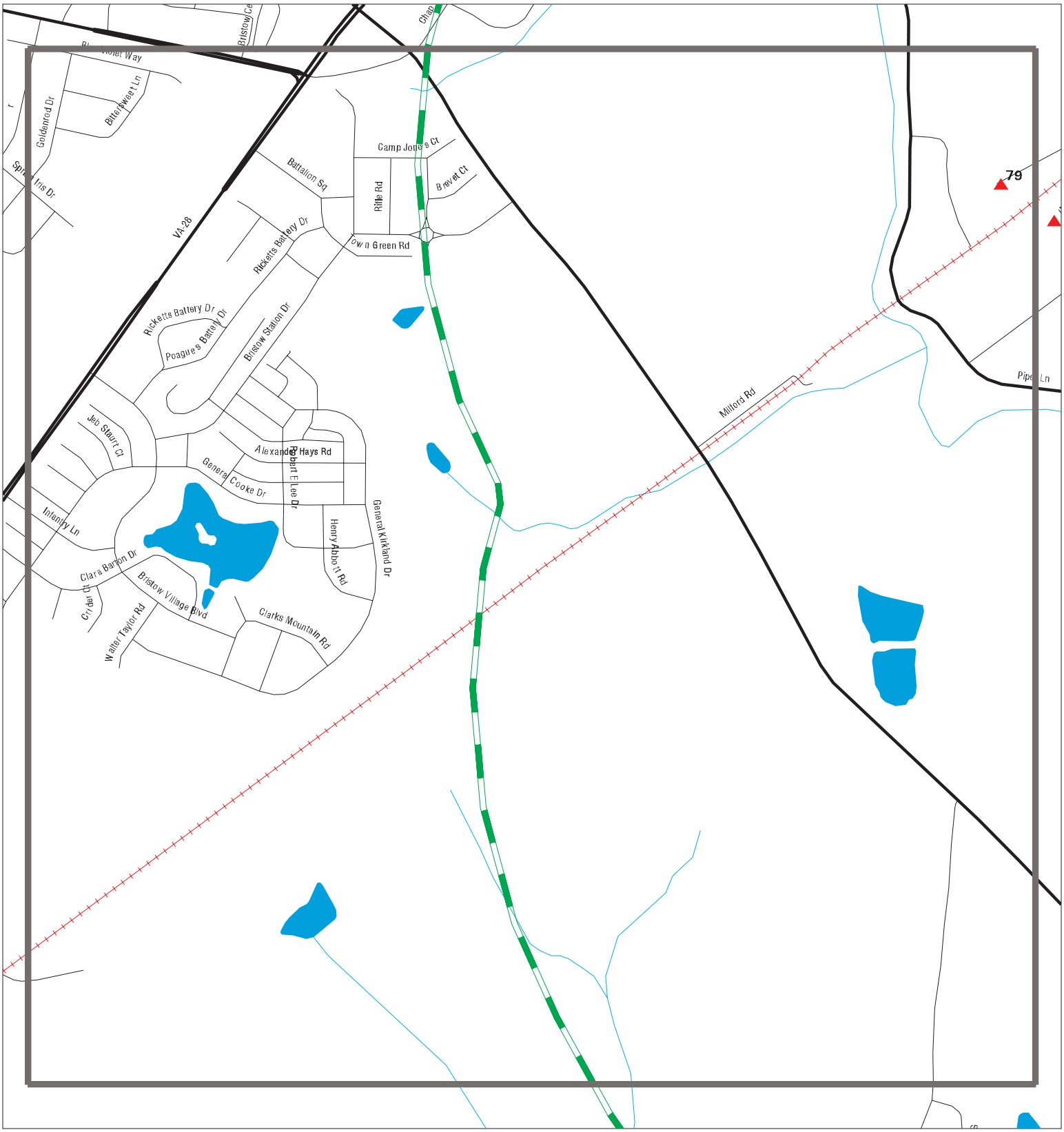
MAPPED SITES SUMMARY - FOCUS MAP 3

Target Property:
10600 HARRY J PARRISH BLVD
MANASSAS, VA 20110

| MAP ID / FOCUS MAP | SITE NAME | ADDRESS | DATABASE ACRONYMS | DIST (ft. & mi.) DIRECTION |
|---|---|---|---|---|

NO MAPPED SITES FOUND

# Focus Map - 4 - 7720538.3s




Sites
Target Property
Search Buffer
Focus Map - No Sites
Focus Map - Sites
Power Line
Pipe Line
National Priority List Sites
Dept. Defense Sites
Indian Reservations BIA

0 1/8 1/4 Miles

| | |
|---|---|
| SITE NAME: Manassas Regional Airport | CLIENT: AKRF, Inc. |
| ADDRESS: 10600 Harry J Parrish Blvd | CONTACT: Bryan Murty |
| CITY/STATE: Manassas VA | INQUIRY #: 7720538.3s |
| ZIP: 20110 | DATE: 08/09/24 |

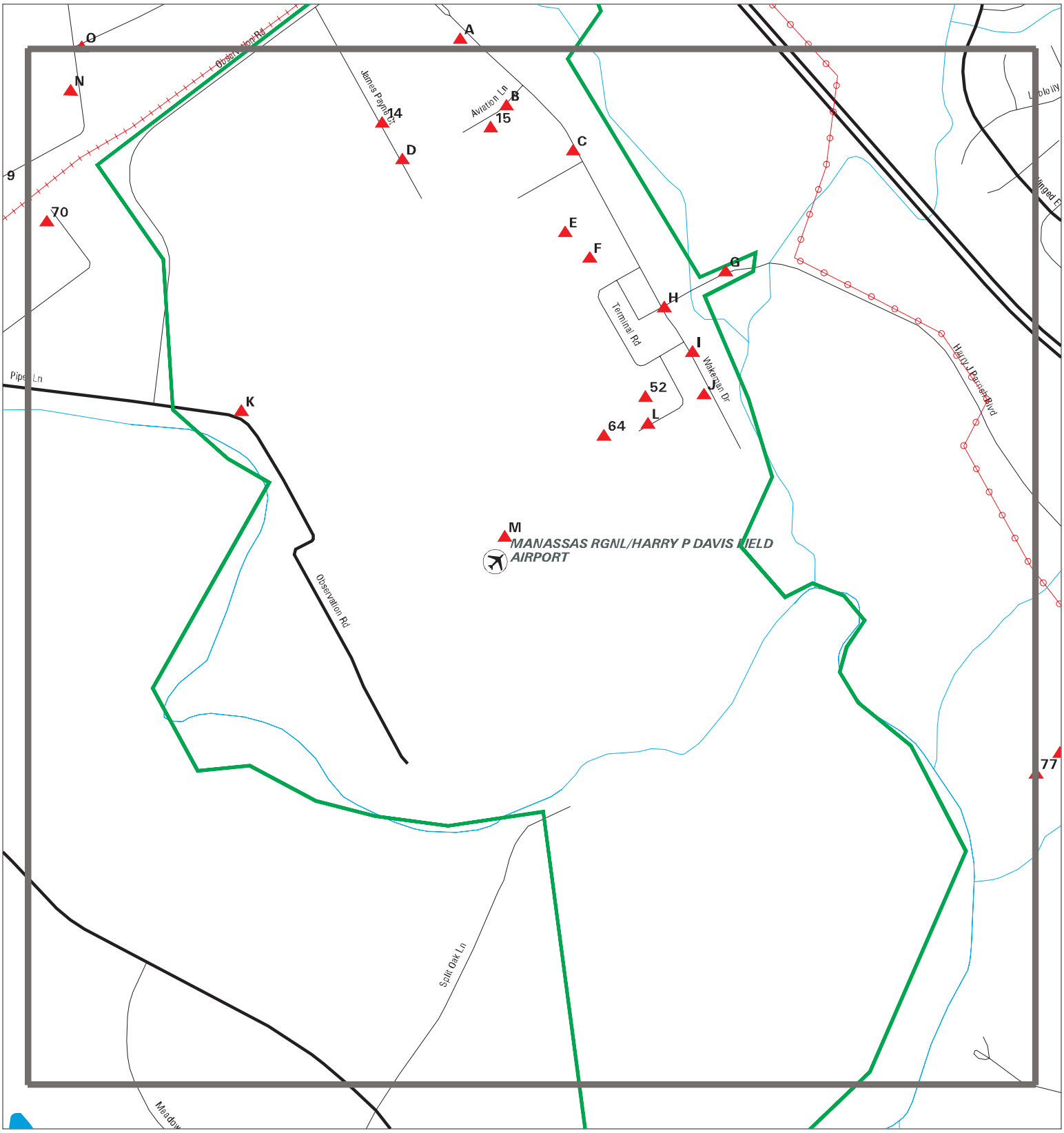
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MAPPED SITES SUMMARY - FOCUS MAP 4

Target Property:
10600 HARRY J PARRISH BLVD
MANASSAS, VA 20110

| MAP ID / FOCUS MAP | SITE NAME | ADDRESS | DATABASE ACRONYMS | DIST (ft. & mi.) DIRECTION |
|---|---|---|---|---|
| 79 / 4 | CORFU CONTRACTORS | 10599 RESIDENCY ROAD | RCRA NonGen / NLR | 812 0.154 West |

# Focus Map - 5 - 7720538.3s




Sites
Target Property
Search Buffer
Focus Map - No Sites
Focus Map - Sites
Power Line
Pipe Line
National Priority List Sites
Dept. Defense Sites
Indian Reservations BIA

| | |
|---|---|
| SITE NAME: Manassas Regional Airport | CLIENT: AKRF, Inc. |
| ADDRESS: 10600 Harry J Parrish Blvd | CONTACT: Bryan Murty |
| CITY/STATE: Manassas VA | INQUIRY #: 7720538.3s |
| ZIP: 20110 | DATE: 08/09/24 |

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MAPPED SITES SUMMARY - FOCUS MAP 5

Target Property:
10600 HARRY J PARRISH BLVD
MANASSAS, VA 20110

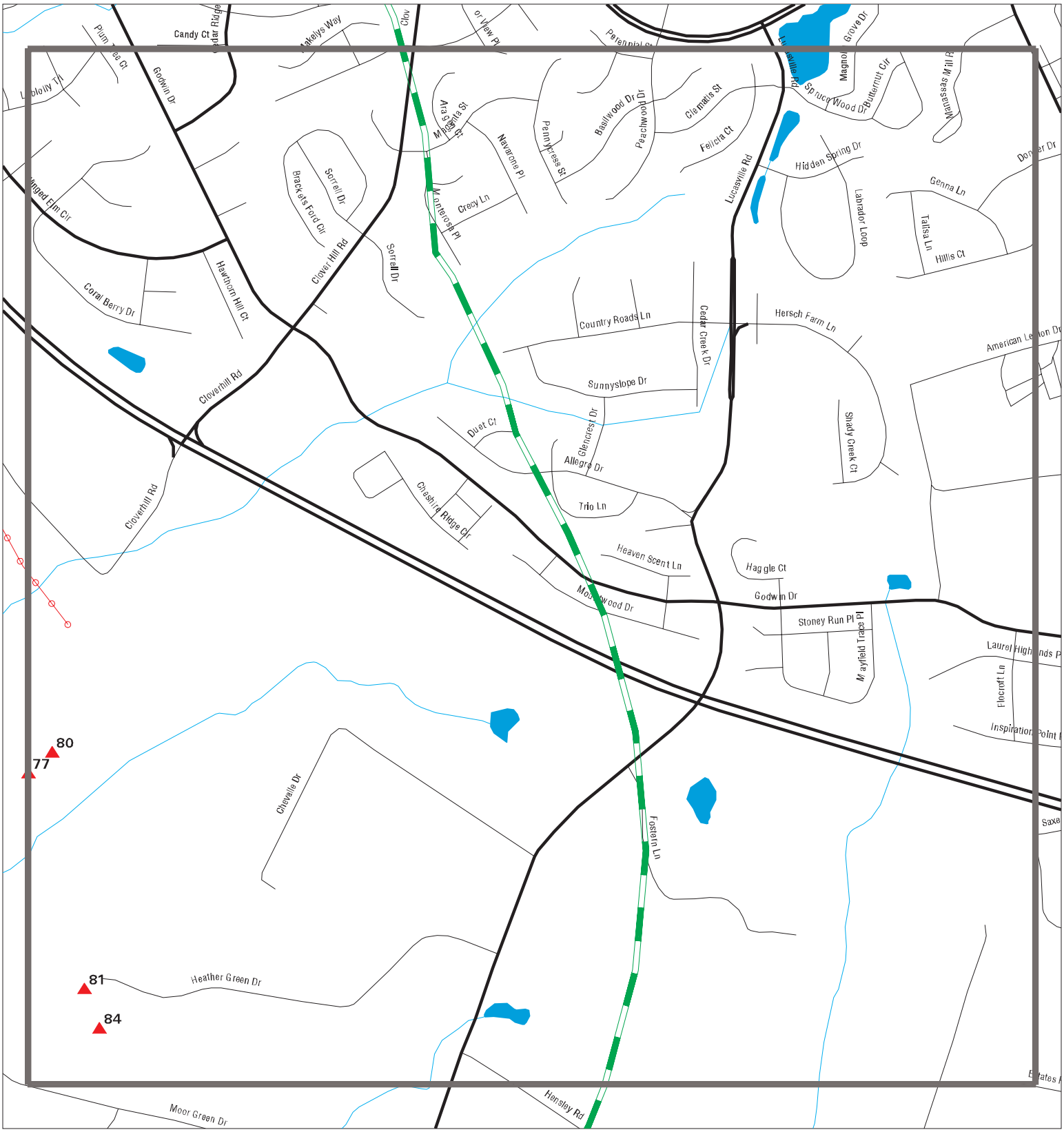
| MAP ID / FOCUS MAP | SITE NAME | ADDRESS | DATABASE ACRONYMS | DIST (ft. & mi.) DIRECTION |
|---|---|---|---|---|
| B4 / 5 | LEIDOS, INC. - HANGA | 10660 AVIATION LANE | FINDS | TP |
| B5 / 5 | LEIDOS, INC | 10660 AVIATION LANE, | RCRA-SQG, E MANIFEST | TP |
| B6 / 5 | LEIDOS, INC. - HANGA | 10660 AVIATION LANE | ECHO | TP |
| B7 / 5 | LEIDOS, INC | 10660 AVIATION LANE | E MANIFEST | TP |
| B8 / 5 | CBP AIR AND MARINE-M | 10667 AVIATION LANE | E MANIFEST | TP |
| B9 / 5 | CBP AIR AND MARINE | 10667 AVIATION LANE | E MANIFEST | TP |
| B10 / 5 | COLGAN AIR | 10677 AVIATION LANE | FINDS, ECHO | TP |
| B11 / 5 | COLGAN AIR | 10677 AVIATION LANE | PA MANIFEST | TP |
| B12 / 5 | COLGAN AIR | 10677 AVIATION LANE | RCRA NonGen / NLR | TP |
| B13 / 5 | COLGAN AIR | 10677 AVIATION LN | PA MANIFEST | TP |
| 14 / 5 | CHANTILLY AIR | 10761 JAMES PAYNE CT | E MANIFEST | TP |
| 15 / 5 | ASOU OFFSITE | 10678 AVIATION LANE | RCRA-VSQG, FINDS, ECHO, NJ MANIFEST | TP |
| C16 / 5 | PHI AIR MEDICAL, L.L | 9990 WAKEMAN DRIVE | E MANIFEST | TP |
| D17 / 5 | OPTICAL AIR DATA SYS | 10781 JAMES PAYNE CO | FINDS | TP |
| C18 / 5 | LEIDOS, INC. - HANGA | 10661 FRANK MARSHALL | ECHO | TP |
| C19 / 5 | LEIDOS, INC. - HANGA | 10661 FRANK MARSHALL | FINDS | TP |
| C20 / 5 | LEIDOS, INC. - HANGA | 10661 FRANK MARSHALL | RCRA-SQG | TP |
| C21 / 5 | | 10661 FRANK MARSHALL | VA SPILLS | TP |
| C22 / 5 | KING AEROSPACE INC. | 10661 FRANK MARSHALL | E MANIFEST | TP |
| C23 / 5 | MANASSAS REGIONAL AI | 10661 FRANK MARSHAL | VA SPILLS | TP |
| D24 / 5 | FLIGHTWORKS INCORPOR | 10791 JAMES PAYNE CT | VA ENF | TP |
| E25 / 5 | JET SERVICES INC. | 9998 WAKEMAN DR. | RCRA-VSQG | TP |
| E26 / 5 | MANASSAS REGIONAL AI | 9998 WAKEMAN DRIVE | VA SPILLS | TP |
| E27 / 5 | NORTHERN VIRGINIA HE | 9998 WAKEMAN DRIVE | FINDS | TP |
| E28 / 5 | JET SERVICES INC. | 9998 WAKEMAN DR. | FINDS, ECHO | TP |
| E29 / 5 | APP JET CENTER | 9998 WAKEMAN DR. | VA SPILLS, VA TIER 2 | TP |
| F30 / 5 | MANASSAS TANK FARM | MANASSAS AIRPORT | VA SPILLS | TP |
| F31 / 5 | MANASSAS REST AREA I | MILE MARKER 234 | VA SPILLS | TP |
| F32 / 5 | MANASSAS REGIONAL AI | MANASSAS REGIONAL AI | VA SPILLS | TP |
| F33 / 5 | MANASSAS REGIONAL AI | TANK FARM | VA SPILLS | TP |
| F34 / 5 | | MANASSAS REGIONAL AI | VA SPILLS | TP |
| F35 / 5 | MANASSAS REGIONAL AI | EAST OF RUNWAY 16R | VA SPILLS | TP |
| G36 / 5 | MANASSAS REGIONAL AI | 10600 HARRY J PARISH | US AIRS, FINDS | TP |
| G37 / 5 | MANASSAS REGIONAL AI | 10600 HARRY J PARRIS | VA SPILLS, VA TIER 2 | TP |
| G38 / 5 | REHABILITATE TAXIWAY | 10600 HARRY J. PARRI | ECHO | TP |
| G39 / 5 | MANASSAS REGIONAL AI | 10600 HARRY J PARRIS | FINDS, ECHO | TP |
| G40 / 5 | MANASSAS REGIONAL AI | 10600 HARRY J PARISH | ECHO | TP |
| H41 / 5 | CITY OF MANASSAS - R | 10451 WAKEMAN DRIVE | VA TIER 2 | TP |
| H42 / 5 | MANASSAS REGIONAL AI | 10451 WAKEMAN DR | VA AST | TP |

MAPPED SITES SUMMARY - FOCUS MAP 5

Target Property:
10600 HARRY J PARRISH BLVD
MANASSAS, VA 20110

| MAP ID / FOCUS MAP | SITE NAME | ADDRESS | DATABASE ACRONYMS | DIST (ft. & mi.) DIRECTION | | |
|---|---|---|---|---|---|---|
| H43 / 5 | MANASSAS CITY REGION | 10451 WAKEMAN DRIVE | VA TIER 2 | TP | | |
| H44 / 5 | GATEWAY GENERATION | 10453 WAKEMAN DR | VA AST | TP | | |
| H45 / 5 | CITY OF MANASSAS - G | 10453 WAKEMAN DRIVE | US AIRS, FINDS, ECHO, VA AIRS, VA TIER 2 | TP | | |
| H46 / 5 | CITY OF MANASSAS - A | 10453 WAKEMAN DRIVE | VA TIER 2 | TP | | |
| I47 / 5 | GATEWAY GEN | 10509 WAKEMAN DRIVE | FINDS | TP | | |
| I48 / 5 | VERTEX AEROSPACE | 10527 WAKEMAN DR | E MANIFEST | TP | | |
| J49 / 5 | LEIDOS, INC. - HANGA | 10522 WAKEMAN DRIVE | RCRA-SQG | TP | | |
| J50 / 5 | LEIDOS, INC. - HANGA | 10522 WAKEMAN DRIVE | ECHO | TP | | |
| J51 / 5 | LEIDOS, INC. - HANGA | 10522 WAKEMAN DRIVE | FINDS | TP | | |
| 52 / 5 | APP HANGER NO. 5 (AK | 10520 WAKEMAN DR | ECHO | TP | | |
| K53 / 5 | DULLES AVIATION INC | 10501 OBSERVATION RO | FINDS, ECHO | TP | | |
| K54 / 5 | MANASSAS REGIONAL AI | 10501 OBSERVATION RD | VA LTANKS | TP | | |
| K55 / 5 | DULLES AVIATION | 10501 OBSERVATION RD | RCRA-VSQG, E MANIFEST | TP | | |
| L56 / 5 | T HANGARS OF VA INC | 10527 TERMINAL RD | RCRA-VSQG, FINDS, ECHO | TP | | |
| L57 / 5 | MANASSAS AIRPORT | 10522 TERMINAL ROAD | VA SPILLS | TP | | |
| L58 / 5 | MANASSAS AIRPORT - N | 10522 TERMINAL RD | UST FINDER RELEASE | TP | | |
| L59 / 5 | MANASSAS REGIONAL AI | 10522 TERMINAL RD | UST FINDER | TP | | |
| L60 / 5 | MANASSAS REGIONAL AI | 10522 TERMINAL RD | VA UST | TP | | |
| L61 / 5 | MANASSAS MUNICIPAL A | 10522 TERMINAL ROAD | VA RGA LUST | TP | | |
| L62 / 5 | MANASSAS MUNICIPAL A | 10522 TERMINAL ROAD | VA LUST | TP | | |
| L63 / 5 | MANASSAS AIRPORT - N | 10522 TERMINAL RD | VA LTANKS | TP | | |
| 64 / 5 | MANASSAS AIRPORT - O | | VA LTANKS | TP | | |
| M65 / 5 | MANASSAS AIRPORT | | VA SPILLS | TP | | |
| M66 / 5 | MANASSAS AIRPORT | | VA SPILLS | TP | | |
| M67 / 5 | MANASSAS AIRPORT | | VA SPILLS | TP | | |
| 70 / 5 | VA RAILWAY EXPRESS B | 10637 PIPER LN | UST FINDER | 564 | 0.107 | SW |
| N71 / 5 | VDOT - MANASSAS RESI | 10228 RESIDENCY RD | UST FINDER | 584 | 0.111 | NW |
| N72 / 5 | VDOT - MANASSAS AREA | 10228 RESIDENCY RD | UST FINDER RELEASE | 584 | 0.111 | NW |
| N73 / 5 | VDOT - MANASSAS RESI | 10228 RESIDENCY RD | VA UST, VA AST, VA Financial Assurance, ... | 584 | 0.111 | NW |
| N74 / 5 | VDOT - MANASSAS AREA | 10228 RESIDENCY RD | VA LTANKS | 584 | 0.111 | NW |
| N75 / 5 | VDOT MANASSAS | 10228 RESIDENCY RD | RCRA-VSQG, FINDS, ECHO, NJ MANIFEST | 584 | 0.111 | NW |

# Focus Map - 6 - 7720538.3s




Sites
Target Property
Search Buffer
Focus Map - No Sites
Focus Map - Sites
Power Line
Pipe Line
National Priority List Sites
Dept. Defense Sites
Indian Reservations BIA

0 1/8 1/4 Miles

| | |
|---|---|
| SITE NAME: Manassas Regional Airport | CLIENT: AKRF, Inc. |
| ADDRESS: 10600 Harry J Parrish Blvd | CONTACT: Bryan Murty |
| CITY/STATE: Manassas VA | INQUIRY #: 7720538.3s |
| ZIP: 20110 | DATE: 08/09/24 |

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MAPPED SITES SUMMARY - FOCUS MAP 6

Target Property:
10600 HARRY J PARRISH BLVD
MANASSAS, VA 20110

| MAP ID / FOCUS MAP | SITE NAME | ADDRESS | DATABASE ACRONYMS | DIST (ft. & mi.) DIRECTION |
|---|---|---|---|---|
| 77 / 6 | MCC1 | 10880 AIRMAN AVENUE | UST FINDER | 755 0.143 ENE |
| 80 / 6 | MCC1 | 10880 AIRMAN AVENUE | VA UST | 992 0.188 ENE |
| 81 / 6 | WILLIG ELEANOR RESID | 9620 HEATHER GREEN D | VA LTANKS | 1310 0.248 ESE |
| 84 / 6 | BALLANO NICHOLAS RES | 9617 HEATHER GREEN D | VA LTANKS | 1536 0.291 ESE |

# Focus Map - 7 - 7720538.3s




Sites
Target Property
Search Buffer
Focus Map - No Sites
Focus Map - Sites
Power Line
Pipe Line
National Priority List Sites
Dept. Defense Sites
Indian Reservations BIA

0 1/8 1/4 Miles

| | |
|---|---|
| SITE NAME: Manassas Regional Airport | CLIENT: AKRF, Inc. |
| ADDRESS: 10600 Harry J Parrish Blvd | CONTACT: Bryan Murty |
| CITY/STATE: Manassas VA | INQUIRY #: 7720538.3s |
| ZIP: 20110 | DATE: 08/09/24 |

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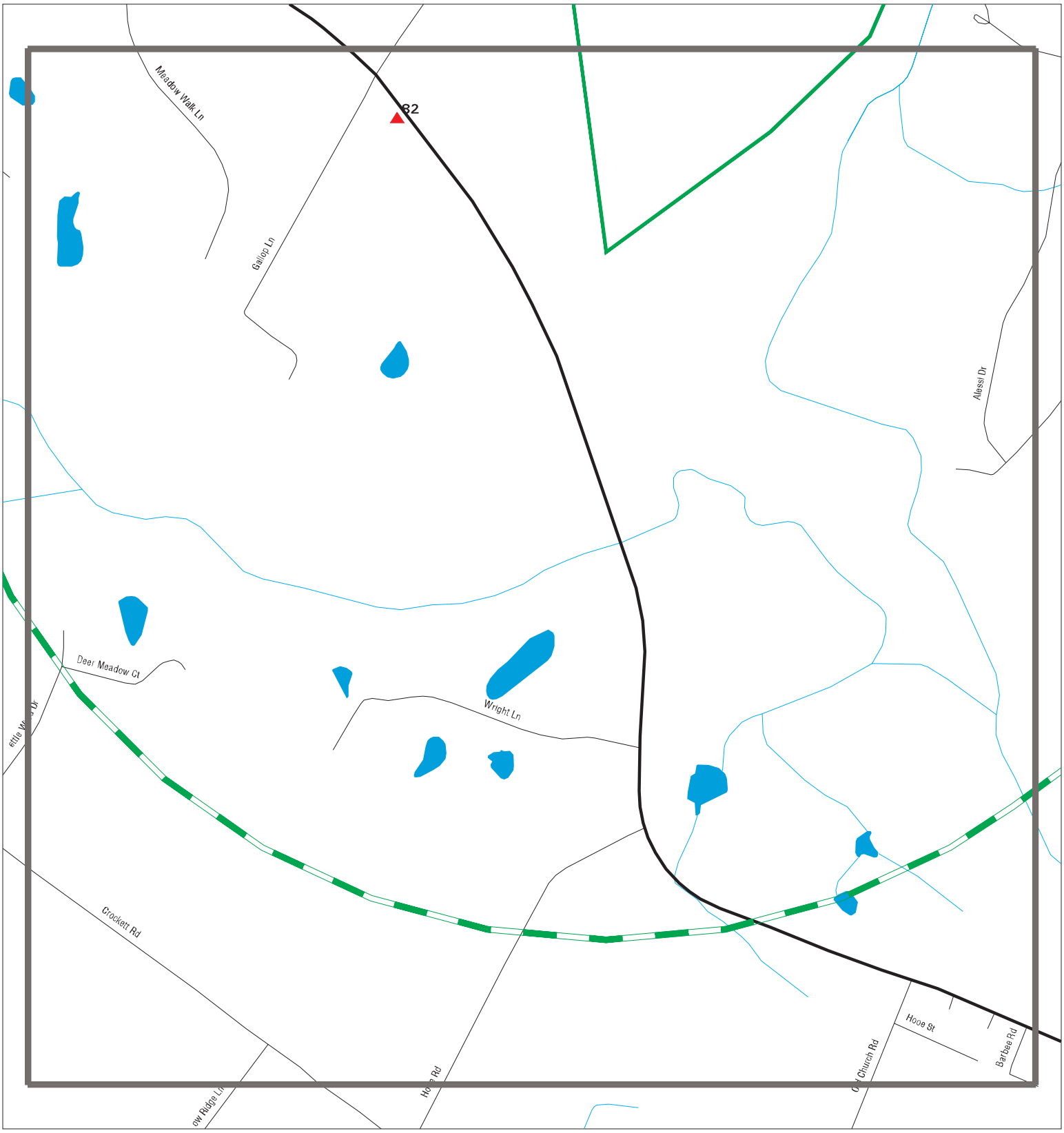
MAPPED SITES SUMMARY - FOCUS MAP 7

Target Property:
10600 HARRY J PARRISH BLVD
MANASSAS, VA 20110

| MAP ID / FOCUS MAP | SITE NAME | ADDRESS | DATABASE ACRONYMS | DIST (ft. & mi.) DIRECTION |
|---|---|---|---|---|

NO MAPPED SITES FOUND

# Focus Map - 8 - 7720538.3s




Sites
Target Property
Search Buffer
Focus Map - No Sites
Focus Map - Sites
Power Line
Pipe Line
National Priority List Sites
Dept. Defense Sites
Indian Reservations BIA

0 1/8 1/4 Miles

| | |
|---|---|
| SITE NAME: Manassas Regional Airport | CLIENT: AKRF, Inc. |
| ADDRESS: 10600 Harry J Parrish Blvd | CONTACT: Bryan Murty |
| CITY/STATE: Manassas VA | INQUIRY #: 7720538.3s |
| ZIP: 20110 | DATE: 08/09/24 |

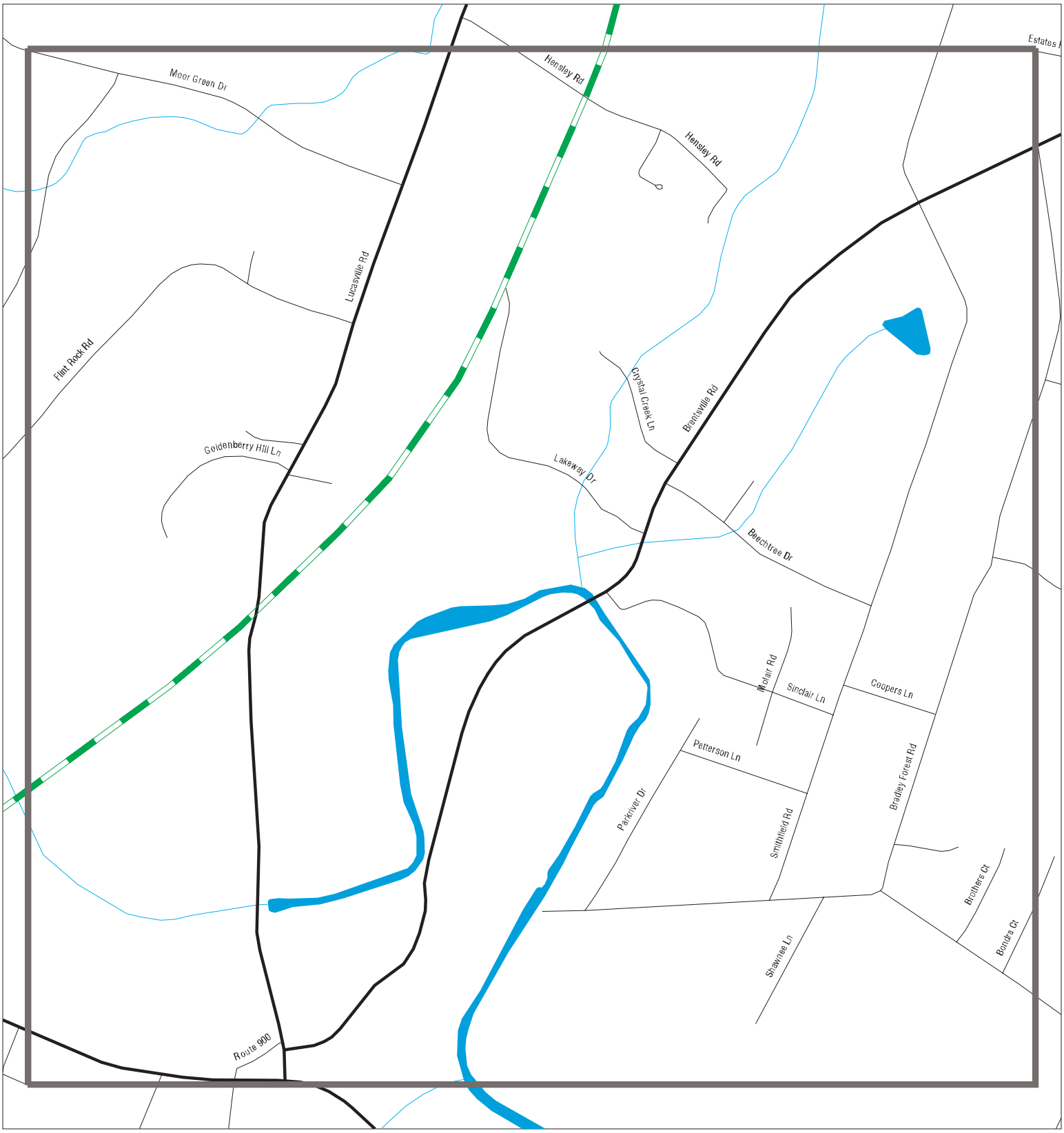
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MAPPED SITES SUMMARY - FOCUS MAP 8

Target Property:
10600 HARRY J PARRISH BLVD
MANASSAS, VA 20110

| MAP ID / FOCUS MAP | SITE NAME | ADDRESS | DATABASE ACRONYMS | DIST (ft. & mi.) DIRECTION |
|---|---|---|---|---|
| 82 / 8 | LONG VERA RESIDENCE | 11726 BRISTOW RD | VA LTANKS | 1455 0.276 West |

# Focus Map - 9 - 7720538.3s




Sites
Target Property
Search Buffer
Focus Map - No Sites
Focus Map - Sites
Power Line
Pipe Line
National Priority List Sites
Dept. Defense Sites
Indian Reservations BIA

0 1/8 1/4 Miles

| | |
|---|---|
| SITE NAME: Manassas Regional Airport | CLIENT: AKRF, Inc. |
| ADDRESS: 10600 Harry J Parrish Blvd | CONTACT: Bryan Murty |
| CITY/STATE: Manassas VA | INQUIRY #: 7720538.3s |
| ZIP: 20110 | DATE: 08/09/24 |

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MAPPED SITES SUMMARY - FOCUS MAP 9

Target Property:
10600 HARRY J PARRISH BLVD
MANASSAS, VA 20110

| MAP ID / FOCUS MAP | SITE NAME | ADDRESS | DATABASE ACRONYMS | DIST (ft. & mi.) DIRECTION |
|---|---|---|---|---|

NO MAPPED SITES FOUND

**A1** **AURORA FLIGHT SCIENCES** **UST FINDER** **1028802005**
**Target** **9950 WAKEMAN DR** **N/A**
**Property** **MANASSAS, VA 20110**

**Site 1 of 3 in cluster A**

**Actual:** **191 ft.**

**Focus Map:** **2**

UST FINDER:

| | |
|---|---|
| Object ID: | 519635 |
| Facility ID: | VA3042584 |
| Name: | AURORA FLIGHT SCIENCES |
| Address: | 9950 WAKEMAN DR |
| City,State,Zip: | MANASSAS, VA 20110 |
| Address Match Type: | PointAddress |
| Open USTs: | 0 |
| Closed USTs: | 1 |
| TOS USTs: | 0 |
| Population 1500ft: | 0 |
| Private Wells 1500ft: | 0 |
| Within 100yr Floodplain: | No |
| Land Use: | Developed, High Intensity |
| Within SPA: | No |
| SPA PWS Facility ID: | Not reported |
| SPA Water Type: | Not reported |
| SPA Facility Type: | Not reported |
| SPA HUC12: | Not reported |
| Within WHPA: | No |
| WHPA PWS Facility ID: | Not reported |
| WHPA Water Type: | Not reported |
| WHPA Facility Type: | Not reported |
| WHPA HUC12: | Not reported |
| Facility Status: | Closed UST(s) |
| Date of Last Inspection: | Not reported |
| EPA Region: | 3 |
| Tribe: | Not reported |
| Coordinate Source: | Geocode |
| X Coord: | -77.516424 |
| Y Coord: | 38.7318690000001 |
| Latitude: | 38.731869 |
| Longitude: | -77.516424 |

UST FINDER:

| | |
|---|---|
| Object ID: | 2121424 |
| Facility ID: | VA3042584 |
| Tank ID: | VA3042584_1 |
| Tank Status: | Closed |
| Installation Date: | 1994/01/14 15:59:59+00 |
| Removal Date: | 2012/10/16 15:59:59+00 |
| Tank Capacity: | 500 |
| Substances: | USED OIL |
| Tank Wall Type: | Single |

**A2**
**Target Property**

**AURORA FLIGHT SCIENCES**
**9950 WAKEMAN DR**
**MANASSAS, VA 20110**

**E MANIFEST** **1027794541**
**N/A**

**Site 2 of 3 in cluster A**

**Actual:**
**191 ft.**

**Focus Map:**
**2**

E MANIFEST:

| | |
|---|---|
| Manifest Tracking Number: | 008065696SKS |
| Last Updated Date: | 20220421 |
| Shipped Date: | 20220223 |
| Received Date: | 20220329 |
| Manifest Status: | Signed |
| Submission Type: | DataImage5Copy |
| Origin Type: | Service |
| Generator EPA ID: | CESQG |
| Generator Name: | Aurora Flight Sciences |
| Generator Mail Street Number: | Not reported |
| Generator Mail Street 1: | 9950 WAKEMAN DR |
| Generator Mail Street 2: | Attn Payable |
| Generator Mail City: | MANASSAS |
| Generator Mail State: | VA |
| Generator Mail Zip: | 20110 |
| Generator Location Street Number: | Not reported |
| Generator Location Street 1: | 9950 Wakeman Drive |
| Generator Location Street 2: | Not reported |
| Generator Location City: | Manassas |
| Generator Location Zip: | 20110 |
| Generator Location State: | VA |
| Generator Contact Company Name: | Aurora Flight Sciences |
| Designated Facility EPA ID: | ARD069748192 |
| Designated Facility Name: | Clean Harbors El Dorado Llc |
| Designated Facility Mail Street Number: | Not reported |
| Designated Facility Mail Street 1: | Not reported |
| Designated Facility Mail Street 2: | 309 American Circle |
| Designated Facility Mail City: | El Dorado |
| Designated Facility Mail Zip: | 71730 |
| Designated Facility Mail State: | AR |
| Designated Facility Location Street Number: | Not reported |
| Designated Facility Location Street 1: | 309 American Circle |
| Designated Facility Location Street 2: | Not reported |
| Designated Facility Location City: | El Dorado |
| Designated Facility Location Zip: | 71730 |
| Designated Facility Location State: | AR |
| Designated Facility Contact Company Name: | Not reported |
| Manifest Residue Indicator: | N |
| Rejection Indicator: | N |

| | |
|---|---|
| Manifest Tracking Number: | 007176306SKS |
| Last Updated Date: | 20191222 |
| Shipped Date: | 20191104 |
| Received Date: | 20191202 |
| Manifest Status: | Signed |
| Submission Type: | DataImage5Copy |
| Origin Type: | Service |
| Generator EPA ID: | CESQG |
| Generator Name: | Aurora Flight Sciences |
| Generator Mail Street Number: | Not reported |
| Generator Mail Street 1: | 9950 WAKEMAN DR |
| Generator Mail Street 2: | Attn Payable |

**AURORA FLIGHT SCIENCES (Continued)** **1027794541**

| | |
|---|---|
| Generator Mail City: | MANASSAS |
| Generator Mail State: | VA |
| Generator Mail Zip: | 20110 |
| Generator Location Street Number: | Not reported |
| Generator Location Street 1: | 9950 Wakeman Drive |
| Generator Location Street 2: | Not reported |
| Generator Location City: | Manassas |
| Generator Location Zip: | 20110 |
| Generator Location State: | VA |
| Generator Contact Company Name: | Not reported |
| Designated Facility EPA ID: | ARD069748192 |
| Designated Facility Name: | Not reported |
| Designated Facility Mail Street Number: | Not reported |
| Designated Facility Mail Street 1: | Not reported |
| Designated Facility Mail Street 2: | 309 American Circle |
| Designated Facility Mail City: | El Dorado |
| Designated Facility Mail Zip: | 71730 |
| Designated Facility Mail State: | AR |
| Designated Facility Location Street Number: | Not reported |
| Designated Facility Location Street 1: | 309 American Circle |
| Designated Facility Location Street 2: | Not reported |
| Designated Facility Location City: | El Dorado |
| Designated Facility Location Zip: | 71730 |
| Designated Facility Location State: | AR |
| Designated Facility Contact Company Name: | Clean Harbors El Dorado LLC |
| Manifest Residue Indicator: | N |
| Rejection Indicator: | N |

| | |
|---|---|
| Manifest Tracking Number: | 007176378SKS |
| Last Updated Date: | 20200211 |
| Shipped Date: | 20200113 |
| Received Date: | 20200122 |
| Manifest Status: | Signed |
| Submission Type: | DataImage5Copy |
| Origin Type: | Service |
| Generator EPA ID: | CESQG |
| Generator Name: | Aurora Flight Sciences |
| Generator Mail Street Number: | Not reported |
| Generator Mail Street 1: | 9950 WAKEMAN DR |
| Generator Mail Street 2: | Attn Payable |
| Generator Mail City: | MANASSAS |
| Generator Mail State: | VA |
| Generator Mail Zip: | 20110 |
| Generator Location Street Number: | Not reported |
| Generator Location Street 1: | 9950 Wakeman Drive |
| Generator Location Street 2: | Not reported |
| Generator Location City: | Manassas |
| Generator Location Zip: | 20110 |
| Generator Location State: | VA |
| Generator Contact Company Name: | Aurora Flight Sciences |
| Designated Facility EPA ID: | OHD000816629 |
| Designated Facility Name: | Not reported |
| Designated Facility Mail Street Number: | Not reported |
| Designated Facility Mail Street 1: | Not reported |
| Designated Facility Mail Street 2: | 4879 Spring Grove Avenue |
| Designated Facility Mail City: | Cincinnati |
| Designated Facility Mail Zip: | 45232 |

**AURORA FLIGHT SCIENCES (Continued)** **1027794541**

| | |
|---|---|
| Designated Facility Mail State: | OH |
| Designated Facility Location Street Number: | Not reported |
| Designated Facility Location Street 1: | 4879 Spring Grove Avenue |
| Designated Facility Location Street 2: | Not reported |
| Designated Facility Location City: | Cincinnati |
| Designated Facility Location Zip: | 45232 |
| Designated Facility Location State: | OH |
| Designated Facility Contact Company Name: | Spring Grove Resource Recovery Inc. |
| Manifest Residue Indicator: | N |
| Rejection Indicator: | N |

| | |
|---|---|
| Manifest Tracking Number: | 007176444SKS |
| Last Updated Date: | 20200308 |
| Shipped Date: | 20200203 |
| Received Date: | 20200217 |
| Manifest Status: | Signed |
| Submission Type: | DataImage5Copy |
| Origin Type: | Service |
| Generator EPA ID: | CESQG |
| Generator Name: | Aurora Flight Sciences |
| Generator Mail Street Number: | Not reported |
| Generator Mail Street 1: | 9950 WAKEMAN DR |
| Generator Mail Street 2: | Attn Payable |
| Generator Mail City: | MANASSAS |
| Generator Mail State: | VA |
| Generator Mail Zip: | 20110 |
| Generator Location Street Number: | Not reported |
| Generator Location Street 1: | 9950 Wakeman Drive |
| Generator Location Street 2: | Not reported |
| Generator Location City: | Manassas |
| Generator Location Zip: | 20110 |
| Generator Location State: | VA |
| Generator Contact Company Name: | Aurora Flight Sciences |
| Designated Facility EPA ID: | KYD053348108 |
| Designated Facility Name: | Not reported |
| Designated Facility Mail Street Number: | Not reported |
| Designated Facility Mail Street 1: | Not reported |
| Designated Facility Mail Street 2: | 3700 LaGrange Road |
| Designated Facility Mail City: | Smithfield |
| Designated Facility Mail Zip: | 40068 |
| Designated Facility Mail State: | KY |
| Designated Facility Location Street Number: | Not reported |
| Designated Facility Location Street 1: | 3700 LaGrange Road |
| Designated Facility Location Street 2: | Not reported |
| Designated Facility Location City: | Smithfield |
| Designated Facility Location Zip: | 40068 |
| Designated Facility Location State: | KY |
| Designated Facility Contact Company Name: | Safety-Kleen Systems, Inc. |
| Manifest Residue Indicator: | N |
| Rejection Indicator: | N |

| | |
|---|---|
| Manifest Tracking Number: | 006081335SKS |
| Last Updated Date: | 20180924 |
| Shipped Date: | 20180727 |
| Received Date: | 20180829 |
| Manifest Status: | Signed |
| Submission Type: | DataImage5Copy |

**AURORA FLIGHT SCIENCES (Continued)** **1027794541**

| | |
|---|---|
| Origin Type: | Service |
| Generator EPA ID: | CESQG |
| Generator Name: | Aurora Flight Sciences |
| Generator Mail Street Number: | Not reported |
| Generator Mail Street 1: | 9950 WAKEMAN DR |
| Generator Mail Street 2: | Attn Payable |
| Generator Mail City: | MANASSAS |
| Generator Mail State: | VA |
| Generator Mail Zip: | 20110 |
| Generator Location Street Number: | Not reported |
| Generator Location Street 1: | 9950 Wakeman Drive |
| Generator Location Street 2: | Not reported |
| Generator Location City: | Manassas |
| Generator Location Zip: | 20110 |
| Generator Location State: | VA |
| Generator Contact Company Name: | Not reported |
| Designated Facility EPA ID: | ARD069748192 |
| Designated Facility Name: | Not reported |
| Designated Facility Mail Street Number: | Not reported |
| Designated Facility Mail Street 1: | Not reported |
| Designated Facility Mail Street 2: | 309 American Circle |
| Designated Facility Mail City: | El Dorado |
| Designated Facility Mail Zip: | 71730 |
| Designated Facility Mail State: | AR |
| Designated Facility Location Street Number: | Not reported |
| Designated Facility Location Street 1: | 309 American Circle |
| Designated Facility Location Street 2: | Not reported |
| Designated Facility Location City: | El Dorado |
| Designated Facility Location Zip: | 71730 |
| Designated Facility Location State: | AR |
| Designated Facility Contact Company Name: | Clean Harbors El Dorado LLC |
| Manifest Residue Indicator: | N |
| Rejection Indicator: | N |

| | |
|---|---|
| Manifest Tracking Number: | 006081336SKS |
| Last Updated Date: | 20180923 |
| Shipped Date: | 20180727 |
| Received Date: | 20180817 |
| Manifest Status: | Signed |
| Submission Type: | DataImage5Copy |
| Origin Type: | Service |
| Generator EPA ID: | CESQG |
| Generator Name: | Aurora Flight Sciences |
| Generator Mail Street Number: | Not reported |
| Generator Mail Street 1: | 9950 WAKEMAN DR |
| Generator Mail Street 2: | Attn Payable |
| Generator Mail City: | MANASSAS |
| Generator Mail State: | VA |
| Generator Mail Zip: | 20110 |
| Generator Location Street Number: | Not reported |
| Generator Location Street 1: | 9950 Wakeman Drive |
| Generator Location Street 2: | Not reported |
| Generator Location City: | Manassas |
| Generator Location Zip: | 20110 |
| Generator Location State: | VA |
| Generator Contact Company Name: | Not reported |
| Designated Facility EPA ID: | KYD053348108 |

**AURORA FLIGHT SCIENCES (Continued)** **1027794541**

| | |
|---|---|
| Designated Facility Name: | Not reported |
| Designated Facility Mail Street Number: | Not reported |
| Designated Facility Mail Street 1: | Not reported |
| Designated Facility Mail Street 2: | 3700 LaGrange Road |
| Designated Facility Mail City: | Smithfield |
| Designated Facility Mail Zip: | 40068 |
| Designated Facility Mail State: | KY |
| Designated Facility Location Street Number: | Not reported |
| Designated Facility Location Street 1: | 3700 LaGrange Road |
| Designated Facility Location Street 2: | Not reported |
| Designated Facility Location City: | Smithfield |
| Designated Facility Location Zip: | 40068 |
| Designated Facility Location State: | KY |
| Designated Facility Contact Company Name: | Safety-Kleen Systems, Inc. |
| Manifest Residue Indicator: | N |
| Rejection Indicator: | N |

| | |
|---|---|
| Manifest Tracking Number: | 007129564SKS |
| Last Updated Date: | 20191022 |
| Shipped Date: | 20190904 |
| Received Date: | 20190920 |
| Manifest Status: | Signed |
| Submission Type: | DataImage5Copy |
| Origin Type: | Service |
| Generator EPA ID: | CESQG |
| Generator Name: | Aurora Flight Sciences |
| Generator Mail Street Number: | Not reported |
| Generator Mail Street 1: | 9950 WAKEMAN DR |
| Generator Mail Street 2: | Attn Payable |
| Generator Mail City: | MANASSAS |
| Generator Mail State: | VA |
| Generator Mail Zip: | 20110 |
| Generator Location Street Number: | Not reported |
| Generator Location Street 1: | 9950 Wakeman Drive |
| Generator Location Street 2: | Not reported |
| Generator Location City: | Manassas |
| Generator Location Zip: | 20110 |
| Generator Location State: | VA |
| Generator Contact Company Name: | Not reported |
| Designated Facility EPA ID: | OHD000816629 |
| Designated Facility Name: | Not reported |
| Designated Facility Mail Street Number: | Not reported |
| Designated Facility Mail Street 1: | Not reported |
| Designated Facility Mail Street 2: | 4879 Spring Grove Avenue |
| Designated Facility Mail City: | Cincinnati |
| Designated Facility Mail Zip: | 45232 |
| Designated Facility Mail State: | OH |
| Designated Facility Location Street Number: | Not reported |
| Designated Facility Location Street 1: | 4879 Spring Grove Avenue |
| Designated Facility Location Street 2: | Not reported |
| Designated Facility Location City: | Cincinnati |
| Designated Facility Location Zip: | 45232 |
| Designated Facility Location State: | OH |
| Designated Facility Contact Company Name: | Spring Grove Resource Recovery Inc. |
| Manifest Residue Indicator: | N |
| Rejection Indicator: | N |

**AURORA FLIGHT SCIENCES (Continued)** **1027794541**

| | |
|---|---|
| Manifest Tracking Number: | 015487734FLE |
| Last Updated Date: | 20210912 |
| Shipped Date: | 20210730 |
| Received Date: | 20210819 |
| Manifest Status: | Signed |
| Submission Type: | DataImage5Copy |
| Origin Type: | Service |
| Generator EPA ID: | CESQG |
| Generator Name: | Aurora Flight Sciences |
| Generator Mail Street Number: | Not reported |
| Generator Mail Street 1: | 9950 WAKEMAN DR |
| Generator Mail Street 2: | Attn Payable |
| Generator Mail City: | MANASSAS |
| Generator Mail State: | VA |
| Generator Mail Zip: | 20110 |
| Generator Location Street Number: | Not reported |
| Generator Location Street 1: | 9950 Wakeman Drive |
| Generator Location Street 2: | Not reported |
| Generator Location City: | Manassas |
| Generator Location Zip: | 20110 |
| Generator Location State: | VA |
| Generator Contact Company Name: | Aurora Flight Sciences |
| Designated Facility EPA ID: | NCD000648451 |
| Designated Facility Name: | Clean Harbors Reidsville Llc |
| Designated Facility Mail Street Number: | Not reported |
| Designated Facility Mail Street 1: | Not reported |
| Designated Facility Mail Street 2: | 208 Watlington Industrial Drive |
| Designated Facility Mail City: | Reidsville |
| Designated Facility Mail Zip: | 27320 |
| Designated Facility Mail State: | NC |
| Designated Facility Location Street Number: | Not reported |
| Designated Facility Location Street 1: | 208 Watlington Industrial Drive |
| Designated Facility Location Street 2: | Not reported |
| Designated Facility Location City: | Reidsville |
| Designated Facility Location Zip: | 27320 |
| Designated Facility Location State: | NC |
| Designated Facility Contact Company Name: | Not reported |
| Manifest Residue Indicator: | N |
| Rejection Indicator: | N |

| | |
|---|---|
| Manifest Tracking Number: | 006603738SKS |
| Last Updated Date: | 20181227 |
| Shipped Date: | 20181112 |
| Received Date: | 20181130 |
| Manifest Status: | Signed |
| Submission Type: | DataImage5Copy |
| Origin Type: | Service |
| Generator EPA ID: | CESQG |
| Generator Name: | Aurora Flight Sciences |
| Generator Mail Street Number: | Not reported |
| Generator Mail Street 1: | 9950 WAKEMAN DR |
| Generator Mail Street 2: | Attn Payable |
| Generator Mail City: | MANASSAS |
| Generator Mail State: | VA |
| Generator Mail Zip: | 20110 |
| Generator Location Street Number: | Not reported |
| Generator Location Street 1: | 9950 Wakeman Drive |

**AURORA FLIGHT SCIENCES (Continued)** **1027794541**

| | |
|---|---|
| Generator Location Street 2: | Not reported |
| Generator Location City: | Manassas |
| Generator Location Zip: | 20110 |
| Generator Location State: | VA |
| Generator Contact Company Name: | Not reported |
| Designated Facility EPA ID: | ARD069748192 |
| Designated Facility Name: | Not reported |
| Designated Facility Mail Street Number: | Not reported |
| Designated Facility Mail Street 1: | Not reported |
| Designated Facility Mail Street 2: | 309 American Circle |
| Designated Facility Mail City: | El Dorado |
| Designated Facility Mail Zip: | 71730 |
| Designated Facility Mail State: | AR |
| Designated Facility Location Street Number: | Not reported |
| Designated Facility Location Street 1: | 309 American Circle |
| Designated Facility Location Street 2: | Not reported |
| Designated Facility Location City: | El Dorado |
| Designated Facility Location Zip: | 71730 |
| Designated Facility Location State: | AR |
| Designated Facility Contact Company Name: | Clean Harbors El Dorado LLC |
| Manifest Residue Indicator: | N |
| Rejection Indicator: | N |

| | |
|---|---|
| Manifest Tracking Number: | 006603739SKS |
| Last Updated Date: | 20181227 |
| Shipped Date: | 20181112 |
| Received Date: | 20181130 |
| Manifest Status: | Signed |
| Submission Type: | DataImage5Copy |
| Origin Type: | Service |
| Generator EPA ID: | CESQG |
| Generator Name: | Aurora Flight Sciences |
| Generator Mail Street Number: | Not reported |
| Generator Mail Street 1: | 9950 WAKEMAN DR |
| Generator Mail Street 2: | Attn Payable |
| Generator Mail City: | MANASSAS |
| Generator Mail State: | VA |
| Generator Mail Zip: | 20110 |
| Generator Location Street Number: | Not reported |
| Generator Location Street 1: | 9950 Wakeman Drive |
| Generator Location Street 2: | Not reported |
| Generator Location City: | Manassas |
| Generator Location Zip: | 20110 |
| Generator Location State: | VA |
| Generator Contact Company Name: | Not reported |
| Designated Facility EPA ID: | ARD069748192 |
| Designated Facility Name: | Not reported |
| Designated Facility Mail Street Number: | Not reported |
| Designated Facility Mail Street 1: | Not reported |
| Designated Facility Mail Street 2: | 309 American Circle |
| Designated Facility Mail City: | El Dorado |
| Designated Facility Mail Zip: | 71730 |
| Designated Facility Mail State: | AR |
| Designated Facility Location Street Number: | Not reported |
| Designated Facility Location Street 1: | 309 American Circle |
| Designated Facility Location Street 2: | Not reported |
| Designated Facility Location City: | El Dorado |

**AURORA FLIGHT SCIENCES (Continued)** **1027794541**

Designated Facility Location Zip: 71730
Designated Facility Location State: AR
Designated Facility Contact Company Name: Clean Harbors El Dorado LLC
Manifest Residue Indicator: N
Rejection Indicator: N

Manifest Tracking Number: 006604540SKS
Last Updated Date: 20190228
Shipped Date: 20190104
Received Date: 20190201
Manifest Status: Signed
Submission Type: DataImage5Copy
Origin Type: Service
Generator EPA ID: CESQG
Generator Name: Aurora Flight Sciences
Generator Mail Street Number: Not reported
Generator Mail Street 1: 9950 WAKEMAN DR
Generator Mail Street 2: Attn Payable
Generator Mail City: MANASSAS
Generator Mail State: VA
Generator Mail Zip: 20110
Generator Location Street Number: Not reported
Generator Location Street 1: 9950 Wakeman Drive
Generator Location Street 2: Not reported
Generator Location City: Manassas
Generator Location Zip: 20110
Generator Location State: VA
Generator Contact Company Name: Not reported
Designated Facility EPA ID: OHD000816629
Designated Facility Name: Not reported
Designated Facility Mail Street Number: Not reported
Designated Facility Mail Street 1: Not reported
Designated Facility Mail Street 2: 4879 Spring Grove Avenue
Designated Facility Mail City: Cincinnati
Designated Facility Mail Zip: 45232
Designated Facility Mail State: OH
Designated Facility Location Street Number: Not reported
Designated Facility Location Street 1: 4879 Spring Grove Avenue
Designated Facility Location Street 2: Not reported
Designated Facility Location City: Cincinnati
Designated Facility Location Zip: 45232
Designated Facility Location State: OH
Designated Facility Contact Company Name: Spring Grove Resource Recovery Inc.
Manifest Residue Indicator: N
Rejection Indicator: N

Federal Waste:
Manifest Tracking Number: 006604541SKS
Waste Line Number: 1
Federal Waste Code: D002
Federal Waste: CORROSIVE WASTE

Manifest Tracking Number: 006604541SKS
Waste Line Number: 1
Federal Waste Code: D007
Federal Waste: CHROMIUM

**AURORA FLIGHT SCIENCES (Continued)** **1027794541**

Transporter:
- Manifest Tracking Number: 006604541SKS
- Transporter Line Number: 1
- Transporter EPA ID: TXR000081205
- Transporter Name: Safety-Kleen Systems, Inc.

- Manifest Tracking Number: 006604541SKS
- Transporter Line Number: 2
- Transporter EPA ID: MAD039322250
- Transporter Name: Clean Harbors Environmental Services, Inc.

- Manifest Tracking Number: 006604541SKS
- Transporter Line Number: 3
- Transporter EPA ID: MAD039322250
- Transporter Name: Clean Harbors Environmental Services, Inc.

Waste Line:
- Manifest Tracking Number: 006604541SKS
- Waste Line Number: 1
- U.S. DOT Hazardous Indicator: Y
- U.S. DOT ID Number: UN1755
- U.S. DOT Description: Un1755, Waste Chromic Acid Solution, 8, Pg Ii
- Non-Hazardous Waste Description: Not reported
- Number of Containers: 1
- Container Type Code: DM
- Container Type Description: Metal drums, barrels, kegs
- Waste Quantity: 20
- Quantity Unit of Measure Code: P
- Quantity Unit of Measure Description: Pounds
- Waste Quantity, in Tons: 0.01
- Acute Waste Quantity, in Tons: 0
- Non-Acute Waste Quantity, in Tons: 0.01
- Waste Quantity, in Kilograms: 9.0703
- Acute Waste Quantity, in Kilograms: 0
- Non-Acute Waste Quantity, in Kilorgrams: 9.0703
- Management Method Code: H040
- Management Method Description: INCINERATION
- Waste Residue Indicator: N
- Quantity Discrepancy Indicator: N
- Waste Type Discrepancy Indicator: N
- Waste Density: Not reported
- Waste Density Unit of Measure Code: Not reported
- Waste Density Unit of Measure Description: Not reported
- Form Code: Not reported
- Form Code Description: Not reported
- Source Code: Not reported
- Source Code Description: Not reported
- Waste Minimization Code: Not reported
- Waste Minimization Code Description: Not reported
- Consent Number: Not reported
- EPA Waste Indicator: Y

Click this hyperlink while viewing on your computer to access
4 additional US EManifest: record(s) in the EDR Site Report.

**A3** **AURORA FLIGHT SCIENCES** **VA UST** **U004220316**
**Target** **9950 WAKEMAN DR** **N/A**
**Property** **MANASSAS, VA 20110**

**Site 3 of 3 in cluster A**

**Actual:** **191 ft.**

**Focus Map:** **2**

Facility:

| | |
|---|---|
| Name: | AURORA FLIGHT SCIENCES |
| Address: | 9950 WAKEMAN DR |
| City,State,Zip: | MANASSAS, VA 20110 |
| Facility Id: | 3042584 |
| Facility Type: | COMMERCIAL |
| CEDS Facility ID: | 2.00001E+11 |

Owner:

| | |
|---|---|
| Owner Id: | 48008 |
| Owner Name: | Aurora Flight Sciences |
| Owner Address: | 9950 Wakeman Dr |
| Owner Address2: | Not reported |
| Owner City, State, Zip: | Manassas, VA 20110 |
| Owner Type: | COMMERCIAL |
| Number of Active AST: | 0 |
| Number of Active UST: | 0 |
| Number of Inactive AST: | 0 |
| Number of Inactive UST: | 1 |

UST:

| | |
|---|---|
| Facility ID: | 3042584 |
| Federally Regulated: | Yes |
| Tank Number: | 1 |
| Tank Capacity: | 500 |
| Tank Contents: | USED OIL |
| **Tank Status:** | **REM FROM GRD** |
| Tank Type: | UST |

Tank Material:

| | |
|---|---|
| Install Date: | 1/14/1994 |
| Tank Materials: Bare Steel | Yes |
| Tank Materials: Cath Protect Steel | No |
| Tank Materials: Epoxy Steel | No |
| Tank Materials: Fiberglass | No |
| Tank Materials: Concrete | Not reported |
| Tank Materials: Composite | No |
| Tank Materials: Double Walled | No |
| Tank Materials: Lined Interior | No |
| Tank Materials: Excav Liner | No |
| Tank Materials: Insulated Tank Jacket | No |
| Tank Materials: Repaired | No |
| Tank Materials: Unknown | No |
| Tank Materials: Other | No |
| Tank Materials: Other Note | Not reported |

Release Detection:

| | |
|---|---|
| Tank Release Detection: Leak Deferred | No |
| Tank Release Detection: Manual Gauge | No |
| Tank Release Detection: Auto Gauge | No |
| Tank Release Detection:Tank Tightness | No |
| Tank Release Detection: Vapor Monitor | No |

**AURORA FLIGHT SCIENCES (Continued)** **U004220316**

| | |
|---|---|
| Tank Release Detection: Inventory | No |
| Tank Release Detection: Stat Invent Recon | No |
| Tank Release Detection: Spill Install | No |
| Tank Release Detection: Overfill Install | No |
| Tank Release Detection: Groundwater | No |
| Tank Release Detection: Int Sec Containment | No |
| Tank Release Detection: Int Double Walled | No |
| Tank Release Detection: Other Method | No |
| Tank Release Detection: Other Note | Not reported |
| Pipe Release Detection: Leak Deferred | No |
| Pipe Release Detection: Autoleak | Not reported |
| Pipe Release Detection: Line Tightness | No |
| Pipe Release Detection: Stat Invent Recon | No |
| Pipe Release Detection: Groundwater | No |
| Pipe Release Detection: Int Sec Containment | No |
| Pipe Release Det: Interior Double Walled | No |
| Pipe Release Detection: Other Method | No |
| Pipe Release Detection: Other Note | Not reported |
| | |
| Pipe Type: | GRAVITY |
| Pipe Materials: Bare Steel | No |
| Pipe Materials: Galvanized Steel | No |
| Pipe Materials: Copper | No |
| Pipe Materials: Fiberglass | No |
| Pipe Materials: Cath Protect | No |
| Pipe Materials: Double Walled | No |
| Pipe Materials: Sec Containment | No |
| Pipe Materials: Repaired | No |
| Pipe Materials: Unknown | No |
| Pipe Materials: Other | No |
| Pipe Materials: Other Note | Not reported |

---

**B4** **LEIDOS, INC. - HANGAR 2** **FINDS** **1027061680**
**Target** **10660 AVIATION LANE** **N/A**
**Property** **MANASSAS, VA 20110**

**Site 1 of 10 in cluster B**

**Actual:**
**193 ft.**

**Focus Map:**
**5**

FINDS:
Registry ID: 110071133491

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
The Resource Conservation and Recovery Act Information System (RCRAInfo) is EPA's comprehensive information system in support of the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. It tracks many types of information about generators, transporters, treaters, storers, and disposers of hazardous waste.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

**B5** **LEIDOS, INC** **RCRA-SQG** **1026835412**
**Target** **10660 AVIATION LANE, HANGAR 2** **E MANIFEST** **VAR000537852**
**Property** **MANASSAS, VA 20110**

**Site 2 of 10 in cluster B**

**Actual:** **193 ft.**

**Focus Map:** **5**

RCRA Listings:

| | |
|---|---|
| Date Form Received by Agency: | 20210423 |
| Handler Name: | Leidos, Inc. - Hangar 2 |
| Handler Address: | Aviation Lane |
| Handler City,State,Zip: | MANASSAS, VA 20110 |
| EPA ID: | VAR000537852 |
| Contact Name: | ANDREW GRONAN |
| Contact Address: | 1750 PRESIDENTS STREET |
| Contact City,State,Zip: | RESTON, VA 20190 |
| Contact Telephone: | 571-459-9373 |
| Contact Fax: | Not reported |
| Contact Email: | ANDREW.GRONAN@LEIDOS.COM |
| Contact Title: | ENVIRONMENTAL HEALTH & SAFETY ENGINEER |
| EPA Region: | 03 |
| Land Type: | Municipal |
| Federal Waste Generator Description: | Small Quantity Generator |
| Non-Notifier: | Not reported |
| Biennial Report Cycle: | Not reported |
| Accessibility: | Not reported |
| Active Site Indicator: | Handler Activities |
| State District Owner: | Va |
| State District: | 4 |
| Mailing Address: | AVIATION LANE |
| Mailing City,State,Zip: | MANASSAS, VA 20110 |
| Owner Name: | App Jet Center |
| Owner Type: | Private |
| Operator Name: | Leidos |
| Operator Type: | Private |
| Short-Term Generator Activity: | No |
| Importer Activity: | No |
| Mixed Waste Generator: | No |
| Transporter Activity: | No |
| Transfer Facility Activity: | No |
| Recycler Activity with Storage: | No |
| Small Quantity On-Site Burner Exemption: | No |
| Smelting Melting and Refining Furnace Exemption: | No |
| Underground Injection Control: | No |
| Off-Site Waste Receipt: | No |
| Universal Waste Indicator: | No |
| Universal Waste Destination Facility: | No |
| Federal Universal Waste: | No |
| Active Site State-Reg Handler: | --- |
| Federal Facility Indicator: | Not reported |
| Hazardous Secondary Material Indicator: | N |
| Sub-Part K Indicator: | Not reported |
| 2018 GPRA Permit Baseline: | Not on the Baseline |
| 2018 GPRA Renewals Baseline: | Not on the Baseline |
| 202 GPRA Corrective Action Baseline: | No |
| Subject to Corrective Action Universe: | No |
| Non-TSDFs Where RCRA CA has Been Imposed Universe: | No |
| Corrective Action Priority Ranking: | No NCAPS ranking |
| Environmental Control Indicator: | No |
| Institutional Control Indicator: | No |

**LEIDOS, INC (Continued)** **1026835412**

| | |
|---|---|
| Human Exposure Controls Indicator: | N/A |
| Groundwater Controls Indicator: | N/A |
| Significant Non-Complier Universe: | No |
| Unaddressed Significant Non-Complier Universe: | No |
| Addressed Significant Non-Complier Universe: | No |
| Significant Non-Complier With a Compliance Schedule Universe: | No |
| Financial Assurance Required: | Not reported |
| Handler Date of Last Change: | 20210426 |
| Recognized Trader-Importer: | No |
| Recognized Trader-Exporter: | No |
| Importer of Spent Lead Acid Batteries: | No |
| Exporter of Spent Lead Acid Batteries: | No |
| Recycler Activity Without Storage: | No |
| Manifest Broker: | No |
| Sub-Part P Indicator: | No |

Hazardous Waste Summary:

| | |
|---|---|
| Waste Code: | D001 |
| Waste Description: | Ignitable Waste |

Handler - Owner Operator:

| | |
|---|---|
| Owner/Operator Indicator: | Owner |
| Owner/Operator Name: APP JET CENTER | |
| Legal Status: | Private |
| Date Became Current: | 20210406 |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | 9998 WAKEMAN DRIVE |
| Owner/Operator City,State,Zip: | MANASSAS, VA 20110 |
| Owner/Operator Telephone: | 475-258-0419 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | QREDDEN@APPJETCENTER.COM |

| | |
|---|---|
| Owner/Operator Indicator: | Operator |
| Owner/Operator Name: LEIDOS | |
| Legal Status: | Private |
| Date Became Current: | 20210406 |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | 1750 PRESIDENTS STREET |
| Owner/Operator City,State,Zip: | RESTON, VA 20190 |
| Owner/Operator Telephone: | 571-459-9373 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | ANDREW.GRONAN@LEIDOS.COM |

| | |
|---|---|
| Owner/Operator Indicator: | Operator |
| Owner/Operator Name: LEIDOS | |
| Legal Status: | Private |
| Date Became Current: | 20210406 |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | 1750 PRESIDENTS STREET |
| Owner/Operator City,State,Zip: | RESTON, VA 20190 |
| Owner/Operator Telephone: | 571-459-9373 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |

**LEIDOS, INC (Continued)** **1026835412**

Owner/Operator Email: ANDREW.GRONAN@LEIDOS.COM

Owner/Operator Indicator: Owner
Owner/Operator Name: APP JET CENTER
Legal Status: Private
Date Became Current: 20210406
Date Ended Current: Not reported
Owner/Operator Address: 9998 WAKEMAN DRIVE
Owner/Operator City,State,Zip: MANASSAS, VA 20110
Owner/Operator Telephone: 475-258-0419
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: QREDDEN@APPJETCENTER.COM

Historic Generators:
Receive Date: 20210407
Handler Name: MANASSAS AIRPORT HANGAR 2
Federal Waste Generator Description: Small Quantity Generator
State District Owner: Va
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

Receive Date: 20210423
Handler Name: LEIDOS, INC. - HANGAR 2
Federal Waste Generator Description: Small Quantity Generator
State District Owner: Va
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

List of NAICS Codes and Descriptions:
NAICS Code: 541715
NAICS Description: RESEARCH AND DEVELOPMENT IN THE PHYSICAL, ENGINEERING, AND LIFE SCIENCES (EXCEPT NANOTECHNOLOGY AND BIOTECHNOLOGY

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

E MANIFEST:
Manifest Tracking Number: 008065927SKS

**LEIDOS, INC (Continued)** **1026835412**

| | |
|---|---|
| Last Updated Date: | 20221011 |
| Shipped Date: | 20220902 |
| Received Date: | 20220921 |
| Manifest Status: | Signed |
| Submission Type: | DataImage5Copy |
| Origin Type: | Service |
| Generator EPA ID: | VAR000537852 |
| Generator Name: | Leidos, Inc |
| Generator Mail Street Number: | Not reported |
| Generator Mail Street 1: | 10660 AVIATION LANE, HANGAR 2 |
| Generator Mail Street 2: | Not reported |
| Generator Mail City: | MANASSAS |
| Generator Mail State: | VA |
| Generator Mail Zip: | 20110 |
| Generator Location Street Number: | Not reported |
| Generator Location Street 1: | 10660 Aviation Lane, Hangar 2 |
| Generator Location Street 2: | Not reported |
| Generator Location City: | Manassas |
| Generator Location Zip: | 20110 |
| Generator Location State: | VA |
| Generator Contact Company Name: | Leidos, Inc |
| Designated Facility EPA ID: | KYD053348108 |
| Designated Facility Name: | Safety-Kleen Systems, Inc. |
| Designated Facility Mail Street Number: | Not reported |
| Designated Facility Mail Street 1: | Not reported |
| Designated Facility Mail Street 2: | 3700 LaGrange Road |
| Designated Facility Mail City: | Smithfield |
| Designated Facility Mail Zip: | 40068 |
| Designated Facility Mail State: | KY |
| Designated Facility Location Street Number: | Not reported |
| Designated Facility Location Street 1: | 3700 LaGrange Road |
| Designated Facility Location Street 2: | Not reported |
| Designated Facility Location City: | Smithfield |
| Designated Facility Location Zip: | 40068 |
| Designated Facility Location State: | KY |
| Designated Facility Contact Company Name: | Not reported |
| Manifest Residue Indicator: | N |
| Rejection Indicator: | N |

| | |
|---|---|
| Manifest Tracking Number: | 008065928SKS |
| Last Updated Date: | 20221019 |
| Shipped Date: | 20220902 |
| Received Date: | 20220926 |
| Manifest Status: | Signed |
| Submission Type: | DataImage5Copy |
| Origin Type: | Service |
| Generator EPA ID: | VAR000537852 |
| Generator Name: | Leidos, Inc |
| Generator Mail Street Number: | Not reported |
| Generator Mail Street 1: | 10660 AVIATION LANE, HANGAR 2 |
| Generator Mail Street 2: | Not reported |
| Generator Mail City: | MANASSAS |
| Generator Mail State: | VA |
| Generator Mail Zip: | 20110 |
| Generator Location Street Number: | Not reported |
| Generator Location Street 1: | 10660 Aviation Lane, Hangar 2 |
| Generator Location Street 2: | Not reported |

**LEIDOS, INC (Continued)** **1026835412**

| | |
|---|---|
| Generator Location City: | Manassas |
| Generator Location Zip: | 20110 |
| Generator Location State: | VA |
| Generator Contact Company Name: | Leidos, Inc |
| Designated Facility EPA ID: | OHD000724153 |
| Designated Facility Name: | Clean Harbors Environmental Services, Inc. |
| Designated Facility Mail Street Number: | Not reported |
| Designated Facility Mail Street 1: | Not reported |
| Designated Facility Mail Street 2: | 2900 Rockefeller Avenue |
| Designated Facility Mail City: | Cleveland |
| Designated Facility Mail Zip: | 44115 |
| Designated Facility Mail State: | OH |
| Designated Facility Location Street Number: | Not reported |
| Designated Facility Location Street 1: | 2900 Rockefeller Avenue |
| Designated Facility Location Street 2: | Not reported |
| Designated Facility Location City: | Cleveland |
| Designated Facility Location Zip: | 44115 |
| Designated Facility Location State: | OH |
| Designated Facility Contact Company Name: | Not reported |
| Manifest Residue Indicator: | N |
| Rejection Indicator: | N |

| | |
|---|---|
| Manifest Tracking Number: | 008065929SKS |
| Last Updated Date: | 20221007 |
| Shipped Date: | 20220902 |
| Received Date: | 20220914 |
| Manifest Status: | Signed |
| Submission Type: | DataImage5Copy |
| Origin Type: | Service |
| Generator EPA ID: | VAR000537852 |
| Generator Name: | Leidos, Inc |
| Generator Mail Street Number: | Not reported |
| Generator Mail Street 1: | 10660 AVIATION LANE, HANGAR 2 |
| Generator Mail Street 2: | Not reported |
| Generator Mail City: | MANASSAS |
| Generator Mail State: | VA |
| Generator Mail Zip: | 20110 |
| Generator Location Street Number: | Not reported |
| Generator Location Street 1: | 10660 Aviation Lane, Hangar 2 |
| Generator Location Street 2: | Not reported |
| Generator Location City: | Manassas |
| Generator Location Zip: | 20110 |
| Generator Location State: | VA |
| Generator Contact Company Name: | Leidos, Inc |
| Designated Facility EPA ID: | OHD000816629 |
| Designated Facility Name: | Spring Grove Resource Recovery Inc. |
| Designated Facility Mail Street Number: | Not reported |
| Designated Facility Mail Street 1: | Not reported |
| Designated Facility Mail Street 2: | 4879 Spring Grove Avenue |
| Designated Facility Mail City: | Cincinnati |
| Designated Facility Mail Zip: | 45232 |
| Designated Facility Mail State: | OH |
| Designated Facility Location Street Number: | Not reported |
| Designated Facility Location Street 1: | 4879 Spring Grove Avenue |
| Designated Facility Location Street 2: | Not reported |
| Designated Facility Location City: | Cincinnati |
| Designated Facility Location Zip: | 45232 |

**LEIDOS, INC (Continued)** **1026835412**

| | |
|---|---|
| Designated Facility Location State: | OH |
| Designated Facility Contact Company Name: | Not reported |
| Manifest Residue Indicator: | N |
| Rejection Indicator: | N |
| | |
| Manifest Tracking Number: | 008065930SKS |
| Last Updated Date: | 20221026 |
| Shipped Date: | 20220902 |
| Received Date: | 20221003 |
| Manifest Status: | Signed |
| Submission Type: | DataImage5Copy |
| Origin Type: | Service |
| Generator EPA ID: | VAR000537852 |
| Generator Name: | Leidos, Inc |
| Generator Mail Street Number: | Not reported |
| Generator Mail Street 1: | 10660 AVIATION LANE, HANGAR 2 |
| Generator Mail Street 2: | Not reported |
| Generator Mail City: | MANASSAS |
| Generator Mail State: | VA |
| Generator Mail Zip: | 20110 |
| Generator Location Street Number: | Not reported |
| Generator Location Street 1: | 10660 Aviation Lane, Hangar 2 |
| Generator Location Street 2: | Not reported |
| Generator Location City: | Manassas |
| Generator Location Zip: | 20110 |
| Generator Location State: | VA |
| Generator Contact Company Name: | Leidos, Inc |
| Designated Facility EPA ID: | ARD069748192 |
| Designated Facility Name: | Clean Harbors El Dorado Llc |
| Designated Facility Mail Street Number: | Not reported |
| Designated Facility Mail Street 1: | Not reported |
| Designated Facility Mail Street 2: | 309 American Circle |
| Designated Facility Mail City: | El Dorado |
| Designated Facility Mail Zip: | 71730 |
| Designated Facility Mail State: | AR |
| Designated Facility Location Street Number: | Not reported |
| Designated Facility Location Street 1: | 309 American Circle |
| Designated Facility Location Street 2: | Not reported |
| Designated Facility Location City: | El Dorado |
| Designated Facility Location Zip: | 71730 |
| Designated Facility Location State: | AR |
| Designated Facility Contact Company Name: | Not reported |
| Manifest Residue Indicator: | N |
| Rejection Indicator: | N |
| | |
| Manifest Tracking Number: | 008065931SKS |
| Last Updated Date: | 20221026 |
| Shipped Date: | 20220902 |
| Received Date: | 20221003 |
| Manifest Status: | Signed |
| Submission Type: | DataImage5Copy |
| Origin Type: | Service |
| Generator EPA ID: | VAR000537852 |
| Generator Name: | Leidos, Inc |
| Generator Mail Street Number: | Not reported |
| Generator Mail Street 1: | 10660 AVIATION LANE, HANGAR 2 |
| Generator Mail Street 2: | Not reported |

**LEIDOS, INC (Continued)** **1026835412**

| | |
|---|---|
| Generator Mail City: | MANASSAS |
| Generator Mail State: | VA |
| Generator Mail Zip: | 20110 |
| Generator Location Street Number: | Not reported |
| Generator Location Street 1: | 10660 Aviation Lane, Hangar 2 |
| Generator Location Street 2: | Not reported |
| Generator Location City: | Manassas |
| Generator Location Zip: | 20110 |
| Generator Location State: | VA |
| Generator Contact Company Name: | Leidos, Inc |
| Designated Facility EPA ID: | ARD069748192 |
| Designated Facility Name: | Clean Harbors El Dorado Llc |
| Designated Facility Mail Street Number: | Not reported |
| Designated Facility Mail Street 1: | Not reported |
| Designated Facility Mail Street 2: | 309 American Circle |
| Designated Facility Mail City: | El Dorado |
| Designated Facility Mail Zip: | 71730 |
| Designated Facility Mail State: | AR |
| Designated Facility Location Street Number: | Not reported |
| Designated Facility Location Street 1: | 309 American Circle |
| Designated Facility Location Street 2: | Not reported |
| Designated Facility Location City: | El Dorado |
| Designated Facility Location Zip: | 71730 |
| Designated Facility Location State: | AR |
| Designated Facility Contact Company Name: | Not reported |
| Manifest Residue Indicator: | N |
| Rejection Indicator: | N |

| | |
|---|---|
| Manifest Tracking Number: | 007129596SKS |
| Last Updated Date: | 20191120 |
| Shipped Date: | 20190920 |
| Received Date: | 20191023 |
| Manifest Status: | Signed |
| Submission Type: | DataImage5Copy |
| Origin Type: | Service |
| Generator EPA ID: | CESQG |
| Generator Name: | Leidos, Inc. |
| Generator Mail Street Number: | Not reported |
| Generator Mail Street 1: | 10660 AVIATION LN |
| Generator Mail Street 2: | Not reported |
| Generator Mail City: | MANASSAS |
| Generator Mail State: | VA |
| Generator Mail Zip: | 20110 |
| Generator Location Street Number: | Not reported |
| Generator Location Street 1: | 10660 Aviation Ln |
| Generator Location Street 2: | Not reported |
| Generator Location City: | Manassas |
| Generator Location Zip: | 20110 |
| Generator Location State: | VA |
| Generator Contact Company Name: | Not reported |
| Designated Facility EPA ID: | ARD069748192 |
| Designated Facility Name: | Not reported |
| Designated Facility Mail Street Number: | Not reported |
| Designated Facility Mail Street 1: | Not reported |
| Designated Facility Mail Street 2: | 309 American Circle |
| Designated Facility Mail City: | El Dorado |
| Designated Facility Mail Zip: | 71730 |

**LEIDOS, INC (Continued)** **1026835412**

| | |
|---|---|
| Designated Facility Mail State: | AR |
| Designated Facility Location Street Number: | Not reported |
| Designated Facility Location Street 1: | 309 American Circle |
| Designated Facility Location Street 2: | Not reported |
| Designated Facility Location City: | El Dorado |
| Designated Facility Location Zip: | 71730 |
| Designated Facility Location State: | AR |
| Designated Facility Contact Company Name: | Clean Harbors El Dorado LLC |
| Manifest Residue Indicator: | N |
| Rejection Indicator: | N |

| | |
|---|---|
| Manifest Tracking Number: | 007129597SKS |
| Last Updated Date: | 20191029 |
| Shipped Date: | 20190920 |
| Received Date: | 20191003 |
| Manifest Status: | Signed |
| Submission Type: | DataImage5Copy |
| Origin Type: | Service |
| Generator EPA ID: | CESQG |
| Generator Name: | Leidos, Inc. |
| Generator Mail Street Number: | Not reported |
| Generator Mail Street 1: | 10660 AVIATION LN |
| Generator Mail Street 2: | Not reported |
| Generator Mail City: | MANASSAS |
| Generator Mail State: | VA |
| Generator Mail Zip: | 20110 |
| Generator Location Street Number: | Not reported |
| Generator Location Street 1: | 10660 Aviation Ln |
| Generator Location Street 2: | Not reported |
| Generator Location City: | Manassas |
| Generator Location Zip: | 20110 |
| Generator Location State: | VA |
| Generator Contact Company Name: | Not reported |
| Designated Facility EPA ID: | KYD053348108 |
| Designated Facility Name: | Not reported |
| Designated Facility Mail Street Number: | Not reported |
| Designated Facility Mail Street 1: | Not reported |
| Designated Facility Mail Street 2: | 3700 LaGrange Road |
| Designated Facility Mail City: | Smithfield |
| Designated Facility Mail Zip: | 40068 |
| Designated Facility Mail State: | KY |
| Designated Facility Location Street Number: | Not reported |
| Designated Facility Location Street 1: | 3700 LaGrange Road |
| Designated Facility Location Street 2: | Not reported |
| Designated Facility Location City: | Smithfield |
| Designated Facility Location Zip: | 40068 |
| Designated Facility Location State: | KY |
| Designated Facility Contact Company Name: | Safety-Kleen Systems, Inc. |
| Manifest Residue Indicator: | N |
| Rejection Indicator: | N |

| | |
|---|---|
| Manifest Tracking Number: | 007983021SKS |
| Last Updated Date: | 20210726 |
| Shipped Date: | 20210430 |
| Received Date: | 20210706 |
| Manifest Status: | Signed |
| Submission Type: | DataImage5Copy |

**LEIDOS, INC (Continued)** **1026835412**

| | |
|---|---|
| Origin Type: | Service |
| Generator EPA ID: | VAR000537852 |
| Generator Name: | Leidos, Inc. |
| Generator Mail Street Number: | Not reported |
| Generator Mail Street 1: | 10660 AVIATION LN |
| Generator Mail Street 2: | Not reported |
| Generator Mail City: | MANASSAS |
| Generator Mail State: | VA |
| Generator Mail Zip: | 20110 |
| Generator Location Street Number: | Not reported |
| Generator Location Street 1: | 10660 Aviation Ln |
| Generator Location Street 2: | Not reported |
| Generator Location City: | Manassas |
| Generator Location Zip: | 20110 |
| Generator Location State: | VA |
| Generator Contact Company Name: | Leidos, Inc. |
| Designated Facility EPA ID: | KYD053348108 |
| Designated Facility Name: | Safety-Kleen Systems, Inc. |
| Designated Facility Mail Street Number: | Not reported |
| Designated Facility Mail Street 1: | Not reported |
| Designated Facility Mail Street 2: | 3700 LaGrange Road |
| Designated Facility Mail City: | Smithfield |
| Designated Facility Mail Zip: | 40068 |
| Designated Facility Mail State: | KY |
| Designated Facility Location Street Number: | Not reported |
| Designated Facility Location Street 1: | 3700 LaGrange Road |
| Designated Facility Location Street 2: | Not reported |
| Designated Facility Location City: | Smithfield |
| Designated Facility Location Zip: | 40068 |
| Designated Facility Location State: | KY |
| Designated Facility Contact Company Name: | Not reported |
| Manifest Residue Indicator: | N |
| Rejection Indicator: | N |

Federal Waste:

| | |
|---|---|
| Manifest Tracking Number: | 007983021SKS |
| Waste Line Number: | 1 |
| Federal Waste Code: | D001 |
| Federal Waste: | IGNITABLE WASTE |

Transporter:

| | |
|---|---|
| Manifest Tracking Number: | 007983021SKS |
| Transporter Line Number: | 1 |
| Transporter EPA ID: | TXR000081205 |
| Transporter Name: | Safety-Kleen Systems, Inc. |
| Manifest Tracking Number: | 007983021SKS |
| Transporter Line Number: | 2 |
| Transporter EPA ID: | MAD039322250 |
| Transporter Name: | Clean Harbors Environmental Services, Inc. |
| Manifest Tracking Number: | 007983021SKS |
| Transporter Line Number: | 3 |
| Transporter EPA ID: | NJD071629976 |
| Transporter Name: | Sj Transportation Co Inc |

**LEIDOS, INC (Continued)** **1026835412**

Manifest Tracking Number: 007983021SKS
Transporter Line Number: 4
Transporter EPA ID: MAD039322250
Transporter Name: Clean Harbors Environmental Services, Inc.

Waste Line:
Manifest Tracking Number: 007983021SKS
Waste Line Number: 1
U.S. DOT Hazardous Indicator: Y
U.S. DOT ID Number: UN1268
U.S. DOT Description: Un1268, Waste Un1268, Waste Petroleum Distillates, N.O.S., Combustible Liquid, Pg Iii, Combustible Liquid, Pg Iii
Non-Hazardous Waste Description: Not reported
Number of Containers: 9
Container Type Code: DM
Container Type Description: Metal drums, barrels, kegs
Waste Quantity: 2375
Quantity Unit of Measure Code: P
Quantity Unit of Measure Description: Pounds
Waste Quantity, in Tons: 1.1875
Acute Waste Quantity, in Tons: 0
Non-Acute Waste Quantity, in Tons: 1.1875
Waste Quantity, in Kilograms: 1077.0981
Acute Waste Quantity, in Kilograms: 0
Non-Acute Waste Quantity, in Kilorgrams: 1077.0981
Management Method Code: H061
Management Method Description: FUEL BLENDING
Waste Residue Indicator: N
Quantity Discrepancy Indicator: N
Waste Type Discrepancy Indicator: N
Waste Density: Not reported
Waste Density Unit of Measure Code: Not reported
Waste Density Unit of Measure Description: Not reported
Form Code: Not reported
Form Code Description: Not reported
Source Code: Not reported
Source Code Description: Not reported
Waste Minimization Code: Not reported
Waste Minimization Code Description: Not reported
Consent Number: Not reported
EPA Waste Indicator: Y

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**B6** **LEIDOS, INC. - HANGAR 2** **ECHO** **1026860700**
**Target** **10660 AVIATION LANE** **N/A**
**Property** **MANASSAS, VA 20110**

**Site 3 of 10 in cluster B**

**Actual:** **193 ft.**
**Focus Map:** **5**

ECHO:
Envid: 1026860700
Registry ID: 110071133491
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110071133491
Name: LEIDOS, INC. - HANGAR 2
Address: 10660 AVIATION LANE
City,State,Zip: MANASSAS, VA 20110

**B7** **LEIDOS, INC** **E MANIFEST** **1027839588**
**Target** **10660 AVIATION LANE** **N/A**
**Property** **MANASSAS, VA 20110**

**Site 4 of 10 in cluster B**

**Actual:** **193 ft.**

**Focus Map:** **5**

E MANIFEST:

| | |
|---|---|
| Manifest Tracking Number: | 006603674SKS |
| Last Updated Date: | 20181114 |
| Shipped Date: | 20181009 |
| Received Date: | 20181019 |
| Manifest Status: | Signed |
| Submission Type: | DataImage5Copy |
| Origin Type: | Service |
| Generator EPA ID: | CESQG |
| Generator Name: | Leidos, Inc |
| Generator Mail Street Number: | Not reported |
| Generator Mail Street 1: | 10660 AVIATION LANE |
| Generator Mail Street 2: | Not reported |
| Generator Mail City: | MANASSAS |
| Generator Mail State: | VA |
| Generator Mail Zip: | 20110 |
| Generator Location Street Number: | Not reported |
| Generator Location Street 1: | 10660 Aviation Lane |
| Generator Location Street 2: | Not reported |
| Generator Location City: | Manassas |
| Generator Location Zip: | 20110 |
| Generator Location State: | VA |
| Generator Contact Company Name: | Not reported |
| Designated Facility EPA ID: | KYD053348108 |
| Designated Facility Name: | Not reported |
| Designated Facility Mail Street Number: | Not reported |
| Designated Facility Mail Street 1: | Not reported |
| Designated Facility Mail Street 2: | 3700 LaGrange Road |
| Designated Facility Mail City: | Smithfield |
| Designated Facility Mail Zip: | 40068 |
| Designated Facility Mail State: | KY |
| Designated Facility Location Street Number: | Not reported |
| Designated Facility Location Street 1: | 3700 LaGrange Road |
| Designated Facility Location Street 2: | Not reported |
| Designated Facility Location City: | Smithfield |
| Designated Facility Location Zip: | 40068 |
| Designated Facility Location State: | KY |
| Designated Facility Contact Company Name: | Safety-Kleen Systems, Inc. |
| Manifest Residue Indicator: | N |
| Rejection Indicator: | N |

Federal Waste:

| | |
|---|---|
| Manifest Tracking Number: | 006603674SKS |
| Waste Line Number: | 1 |
| Federal Waste Code: | D001 |
| Federal Waste: | IGNITABLE WASTE |

Transporter:

| | |
|---|---|
| Manifest Tracking Number: | 006603674SKS |
| Transporter Line Number: | 1 |
| Transporter EPA ID: | TXR000081205 |
| Transporter Name: | Safety-Kleen Systems, Inc. |

**LEIDOS, INC (Continued)** **1027839588**

Manifest Tracking Number: 006603674SKS
Transporter Line Number: 2
Transporter EPA ID: MAD039322250
Transporter Name: Clean Harbors Environmental Services, Inc.

Manifest Tracking Number: 006603674SKS
Transporter Line Number: 3
Transporter EPA ID: NJD071629976
Transporter Name: Sj Transportation Co Inc

Waste Line:
Manifest Tracking Number: 006603674SKS
Waste Line Number: 1
U.S. DOT Hazardous Indicator: Y
U.S. DOT ID Number: NA1993
U.S. DOT Description: Na1993, Waste Na1993, Waste Combustible Liquid, N.O.S., ), Combustible Liquid, Pg Ii (Jet A Fuel & Oil), Combustible Liquid, Pg Iii
Non-Hazardous Waste Description: Not reported
Number of Containers: 6
Container Type Code: DM
Container Type Description: Metal drums, barrels, kegs
Waste Quantity: 1800
Quantity Unit of Measure Code: P
Quantity Unit of Measure Description: Pounds
Waste Quantity, in Tons: 0.9
Acute Waste Quantity, in Tons: 0
Non-Acute Waste Quantity, in Tons: 0.9
Waste Quantity, in Kilograms: 816.327
Acute Waste Quantity, in Kilograms: 0
Non-Acute Waste Quantity, in Kilorgrams: 816.327
Management Method Code: H061
Management Method Description: FUEL BLENDING
Waste Residue Indicator: N
Quantity Discrepancy Indicator: N
Waste Type Discrepancy Indicator: N
Waste Density: Not reported
Waste Density Unit of Measure Code: Not reported
Waste Density Unit of Measure Description: Not reported
Form Code: Not reported
Form Code Description: Not reported
Source Code: Not reported
Source Code Description: Not reported
Waste Minimization Code: Not reported
Waste Minimization Code Description: Not reported
Consent Number: Not reported
EPA Waste Indicator: Y

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**B8** **CBP AIR AND MARINE-MANASSAS BRANCH** **E MANIFEST** **1027807905**
**Target** **10667 AVIATION LANE** **N/A**
**Property** **MANASSAS, VA 20110**

**Site 5 of 10 in cluster B**

**Actual:** **196 ft.**
**Focus Map:** **5**

E MANIFEST:
Manifest Tracking Number: 017548627FLE
Last Updated Date: 20221011
Shipped Date: 20220914

**CBP AIR AND MARINE-MANASSAS BRANCH (Continued)** **1027807905**

| | |
|---|---|
| Received Date: | 20220926 |
| Manifest Status: | Signed |
| Submission Type: | DataImage5Copy |
| Origin Type: | Service |
| Generator EPA ID: | CESQG |
| Generator Name: | Cbp Air And Marine-Manassas Branch |
| Generator Mail Street Number: | Not reported |
| Generator Mail Street 1: | 10667 AVIATION LANE |
| Generator Mail Street 2: | Not reported |
| Generator Mail City: | MANASSAS |
| Generator Mail State: | VA |
| Generator Mail Zip: | 20110 |
| Generator Location Street Number: | Not reported |
| Generator Location Street 1: | 10667 Aviation Lane |
| Generator Location Street 2: | Not reported |
| Generator Location City: | Manassas |
| Generator Location Zip: | 20110 |
| Generator Location State: | VA |
| Generator Contact Company Name: | Not reported |
| Designated Facility EPA ID: | PAD085690592 |
| Designated Facility Name: | Republic Env Sys Inc |
| Designated Facility Mail Street Number: | Not reported |
| Designated Facility Mail Street 1: | Not reported |
| Designated Facility Mail Street 2: | 2869 Sandstone Drive |
| Designated Facility Mail City: | Hatfield |
| Designated Facility Mail Zip: | 19440 |
| Designated Facility Mail State: | PA |
| Designated Facility Location Street Number: | Not reported |
| Designated Facility Location Street 1: | 2869 Sandstone Drive |
| Designated Facility Location Street 2: | Not reported |
| Designated Facility Location City: | Hatfield |
| Designated Facility Location Zip: | 19440 |
| Designated Facility Location State: | PA |
| Designated Facility Contact Company Name: | Not reported |
| Manifest Residue Indicator: | N |
| Rejection Indicator: | N |

Federal Waste:

| | |
|---|---|
| Manifest Tracking Number: | 017548627FLE |
| Waste Line Number: | 1 |
| Federal Waste Code: | D001 |
| Federal Waste: | IGNITABLE WASTE |

| | |
|---|---|
| Manifest Tracking Number: | 017548627FLE |
| Waste Line Number: | 1 |
| Federal Waste Code: | D005 |
| Federal Waste: | BARIUM |

| | |
|---|---|
| Manifest Tracking Number: | 017548627FLE |
| Waste Line Number: | 1 |
| Federal Waste Code: | D007 |
| Federal Waste: | CHROMIUM |

| | |
|---|---|
| Manifest Tracking Number: | 017548627FLE |
| Waste Line Number: | 1 |
| Federal Waste Code: | D035 |
| Federal Waste: | METHYL ETHYL KETONE |

**CBP AIR AND MARINE-MANASSAS BRANCH (Continued)** **1027807905**

Manifest Tracking Number: 017548627FLE
Waste Line Number: 1
Federal Waste Code: F003
Federal Waste: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Manifest Tracking Number: 017548627FLE
Waste Line Number: 1
Federal Waste Code: F005
Federal Waste: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Transporter:
Manifest Tracking Number: 017548627FLE
Transporter Line Number: 1
Transporter EPA ID: PAD982661381
Transporter Name: Republic Environmental Systems

Waste Line:
Manifest Tracking Number: 017548627FLE
Waste Line Number: 1
U.S. DOT Hazardous Indicator: Y
U.S. DOT ID Number: UN3175
U.S. DOT Description: Un3175 Waste Solids Containing Flammable Liquid, N.O.S. (Xylene, Toluene) Ii 4.1 D007-10 Lbs
Non-Hazardous Waste Description: Not reported
Number of Containers: 3
Container Type Code: DM
Container Type Description: Metal drums, barrels, kegs
Waste Quantity: 195
Quantity Unit of Measure Code: P
Quantity Unit of Measure Description: Pounds
Waste Quantity, in Tons: 0.0975
Acute Waste Quantity, in Tons: 0
Non-Acute Waste Quantity, in Tons: 0.0975
Waste Quantity, in Kilograms: 88.435425
Acute Waste Quantity, in Kilograms: 0
Non-Acute Waste Quantity, in Kilorgrams: 88.435425
Management Method Code: H141
Management Method Description: STORAGE, BULKING AND/OR TRANSFER OFF SITE
Waste Residue Indicator: N
Quantity Discrepancy Indicator: N
Waste Type Discrepancy Indicator: N

**CBP AIR AND MARINE-MANASSAS BRANCH (Continued)** **1027807905**

| | |
|---|---|
| Waste Density: | Not reported |
| Waste Density Unit of Measure Code: | Not reported |
| Waste Density Unit of Measure Description: | Not reported |
| Form Code: | Not reported |
| Form Code Description: | Not reported |
| Source Code: | Not reported |
| Source Code Description: | Not reported |
| Waste Minimization Code: | Not reported |
| Waste Minimization Code Description: | Not reported |
| Consent Number: | Not reported |
| EPA Waste Indicator: | Y |
| | |
| Manifest Tracking Number: | 017548627FLE |
| Waste Line Number: | 2 |
| U.S. DOT Hazardous Indicator: | N |
| U.S. DOT ID Number: | Not reported |
| U.S. DOT Description: | Not reported |
| Non-Hazardous Waste Description: | NON DOT/NON RCRA REGULATED MATERIAL (OILY SOLIDS) |
| Number of Containers: | 2 |
| Container Type Code: | DM |
| Container Type Description: | Metal drums, barrels, kegs |
| Waste Quantity: | 169 |
| Quantity Unit of Measure Code: | P |
| Quantity Unit of Measure Description: | Pounds |
| Waste Quantity, in Tons: | 0.0845 |
| Acute Waste Quantity, in Tons: | 0 |
| Non-Acute Waste Quantity, in Tons: | 0.0845 |
| Waste Quantity, in Kilograms: | 76.644035 |
| Acute Waste Quantity, in Kilograms: | 0 |
| Non-Acute Waste Quantity, in Kilorgrams: | 76.644035 |
| Management Method Code: | H141 |
| Management Method Description: | STORAGE, BULKING AND/OR TRANSFER OFF SITE |
| Waste Residue Indicator: | N |
| Quantity Discrepancy Indicator: | N |
| Waste Type Discrepancy Indicator: | N |
| Waste Density: | Not reported |
| Waste Density Unit of Measure Code: | Not reported |
| Waste Density Unit of Measure Description: | Not reported |
| Form Code: | Not reported |
| Form Code Description: | Not reported |
| Source Code: | Not reported |
| Source Code Description: | Not reported |
| Waste Minimization Code: | Not reported |
| Waste Minimization Code Description: | Not reported |
| Consent Number: | Not reported |
| EPA Waste Indicator: | N |
| | |
| Manifest Tracking Number: | 017548627FLE |
| Waste Line Number: | 3 |
| U.S. DOT Hazardous Indicator: | N |
| U.S. DOT ID Number: | Not reported |
| U.S. DOT Description: | Not reported |
| Non-Hazardous Waste Description: | NON DOT/NON RCRA REGULATED MATERIAL (USED OIL FILTERS) |
| Number of Containers: | 1 |
| Container Type Code: | DM |
| Container Type Description: | Metal drums, barrels, kegs |
| Waste Quantity: | 145 |

**CBP AIR AND MARINE-MANASSAS BRANCH (Continued)** **1027807905**

| | |
|---|---|
| Quantity Unit of Measure Code: | P |
| Quantity Unit of Measure Description: | Pounds |
| Waste Quantity, in Tons: | 0.0725 |
| Acute Waste Quantity, in Tons: | 0 |
| Non-Acute Waste Quantity, in Tons: | 0.0725 |
| Waste Quantity, in Kilograms: | 65.759674 |
| Acute Waste Quantity, in Kilograms: | 0 |
| Non-Acute Waste Quantity, in Kilorgrams: | 65.759674 |
| Management Method Code: | H141 |
| Management Method Description: | STORAGE, BULKING AND/OR TRANSFER OFF SITE |
| Waste Residue Indicator: | N |
| Quantity Discrepancy Indicator: | N |
| Waste Type Discrepancy Indicator: | N |
| Waste Density: | Not reported |
| Waste Density Unit of Measure Code: | Not reported |
| Waste Density Unit of Measure Description: | Not reported |
| Form Code: | Not reported |
| Form Code Description: | Not reported |
| Source Code: | Not reported |
| Source Code Description: | Not reported |
| Waste Minimization Code: | Not reported |
| Waste Minimization Code Description: | Not reported |
| Consent Number: | Not reported |
| EPA Waste Indicator: | N |
| | |
| Manifest Tracking Number: | 017548627FLE |
| Waste Line Number: | 4 |
| U.S. DOT Hazardous Indicator: | N |
| U.S. DOT ID Number: | Not reported |
| U.S. DOT Description: | Not reported |
| Non-Hazardous Waste Description: | NON DOT/NON RCRA REGULATED MATERIAL (USED OIL) |
| Number of Containers: | 1 |
| Container Type Code: | DM |
| Container Type Description: | Metal drums, barrels, kegs |
| Waste Quantity: | 450 |
| Quantity Unit of Measure Code: | P |
| Quantity Unit of Measure Description: | Pounds |
| Waste Quantity, in Tons: | 0.225 |
| Acute Waste Quantity, in Tons: | 0 |
| Non-Acute Waste Quantity, in Tons: | 0.225 |
| Waste Quantity, in Kilograms: | 204.08176 |
| Acute Waste Quantity, in Kilograms: | 0 |
| Non-Acute Waste Quantity, in Kilorgrams: | 204.08176 |
| Management Method Code: | H141 |
| Management Method Description: | STORAGE, BULKING AND/OR TRANSFER OFF SITE |
| Waste Residue Indicator: | N |
| Quantity Discrepancy Indicator: | N |
| Waste Type Discrepancy Indicator: | N |
| Waste Density: | Not reported |
| Waste Density Unit of Measure Code: | Not reported |
| Waste Density Unit of Measure Description: | Not reported |
| Form Code: | Not reported |
| Form Code Description: | Not reported |
| Source Code: | Not reported |
| Source Code Description: | Not reported |
| Waste Minimization Code: | Not reported |
| Waste Minimization Code Description: | Not reported |

**CBP AIR AND MARINE-MANASSAS BRANCH (Continued)** **1027807905**

Consent Number: Not reported
EPA Waste Indicator: N

---

**B9** **CBP AIR AND MARINE** **E MANIFEST** **1027807906**
**Target** **10667 AVIATION LANE** **N/A**
**Property** **MANASSAS, VA 20110**

**Site 6 of 10 in cluster B**

**Actual:** **196 ft.**

**Focus Map:** **5**

E MANIFEST:

| | |
|---|---|
| Manifest Tracking Number: | 011992560FLE |
| Last Updated Date: | 20180828 |
| Shipped Date: | 20180802 |
| Received Date: | 20180806 |
| Manifest Status: | Signed |
| Submission Type: | DataImage5Copy |
| Origin Type: | Service |
| Generator EPA ID: | CESQG |
| Generator Name: | Cbp Air And Marine |
| Generator Mail Street Number: | Not reported |
| Generator Mail Street 1: | 10667 AVIATION LANE |
| Generator Mail Street 2: | Not reported |
| Generator Mail City: | MANASSAS |
| Generator Mail State: | VA |
| Generator Mail Zip: | 20110 |
| Generator Location Street Number: | Not reported |
| Generator Location Street 1: | 901 Lincoln Drive West Suite 200 |
| Generator Location Street 2: | Not reported |
| Generator Location City: | Marlton |
| Generator Location Zip: | 08053 |
| Generator Location State: | NJ |
| Generator Contact Company Name: | Not reported |
| Designated Facility EPA ID: | PAD085690592 |
| Designated Facility Name: | Republic Env Sys Inc |
| Designated Facility Mail Street Number: | Not reported |
| Designated Facility Mail Street 1: | Not reported |
| Designated Facility Mail Street 2: | 2869 Sandstone Drive |
| Designated Facility Mail City: | Hatfield |
| Designated Facility Mail Zip: | 19440 |
| Designated Facility Mail State: | PA |
| Designated Facility Location Street Number: | Not reported |
| Designated Facility Location Street 1: | 2869 Sandstone Drive |
| Designated Facility Location Street 2: | Not reported |
| Designated Facility Location City: | Hatfield |
| Designated Facility Location Zip: | 19440 |
| Designated Facility Location State: | PA |
| Designated Facility Contact Company Name: | Not reported |
| Manifest Residue Indicator: | N |
| Rejection Indicator: | N |

| | |
|---|---|
| Manifest Tracking Number: | 013919941FLE |
| Last Updated Date: | 20200106 |
| Shipped Date: | 20191127 |
| Received Date: | 20191209 |
| Manifest Status: | Signed |
| Submission Type: | DataImage5Copy |
| Origin Type: | Service |
| Generator EPA ID: | CESQG |

**CBP AIR AND MARINE (Continued)** **1027807906**

| | |
|---|---|
| Generator Name: | Cbp Air And Marine |
| Generator Mail Street Number: | Not reported |
| Generator Mail Street 1: | 10667 AVIATION LANE |
| Generator Mail Street 2: | Not reported |
| Generator Mail City: | MANASSAS |
| Generator Mail State: | VA |
| Generator Mail Zip: | 20110 |
| Generator Location Street Number: | Not reported |
| Generator Location Street 1: | 10667 Aviation Lane |
| Generator Location Street 2: | Not reported |
| Generator Location City: | Manassas |
| Generator Location Zip: | 20110 |
| Generator Location State: | VA |
| Generator Contact Company Name: | Not reported |
| Designated Facility EPA ID: | PAD085690592 |
| Designated Facility Name: | Republic Env Sys Inc |
| Designated Facility Mail Street Number: | Not reported |
| Designated Facility Mail Street 1: | Not reported |
| Designated Facility Mail Street 2: | 2869 Sandstone Drive |
| Designated Facility Mail City: | Hatfield |
| Designated Facility Mail Zip: | 19440 |
| Designated Facility Mail State: | PA |
| Designated Facility Location Street Number: | Not reported |
| Designated Facility Location Street 1: | 2869 Sandstone Drive |
| Designated Facility Location Street 2: | Not reported |
| Designated Facility Location City: | Hatfield |
| Designated Facility Location Zip: | 19440 |
| Designated Facility Location State: | PA |
| Designated Facility Contact Company Name: | Not reported |
| Manifest Residue Indicator: | N |
| Rejection Indicator: | N |

| | |
|---|---|
| Manifest Tracking Number: | 015672294FLE |
| Last Updated Date: | 20210510 |
| Shipped Date: | 20210422 |
| Received Date: | 20210430 |
| Manifest Status: | Signed |
| Submission Type: | DataImage5Copy |
| Origin Type: | Service |
| Generator EPA ID: | CESQG |
| Generator Name: | Cbp Air And Marine |
| Generator Mail Street Number: | Not reported |
| Generator Mail Street 1: | 10667 AVIATION LANE |
| Generator Mail Street 2: | Not reported |
| Generator Mail City: | MANASSAS |
| Generator Mail State: | VA |
| Generator Mail Zip: | 20110 |
| Generator Location Street Number: | Not reported |
| Generator Location Street 1: | 10667 Aviation Lane |
| Generator Location Street 2: | Not reported |
| Generator Location City: | Manassas |
| Generator Location Zip: | 20110 |
| Generator Location State: | VA |
| Generator Contact Company Name: | Not reported |
| Designated Facility EPA ID: | PAD085690592 |
| Designated Facility Name: | Republic Env Sys Inc |
| Designated Facility Mail Street Number: | Not reported |

**CBP AIR AND MARINE (Continued)** **1027807906**

Designated Facility Mail Street 1: Not reported
Designated Facility Mail Street 2: 2869 Sandstone Drive
Designated Facility Mail City: Hatfield
Designated Facility Mail Zip: 19440
Designated Facility Mail State: PA
Designated Facility Location Street Number: Not reported
Designated Facility Location Street 1: 2869 Sandstone Drive
Designated Facility Location Street 2: Not reported
Designated Facility Location City: Hatfield
Designated Facility Location Zip: 19440
Designated Facility Location State: PA
Designated Facility Contact Company Name: Not reported
Manifest Residue Indicator: N
Rejection Indicator: N

Federal Waste:
Manifest Tracking Number: 015672294FLE
Waste Line Number: 1
Federal Waste Code: D001
Federal Waste: IGNITABLE WASTE

Manifest Tracking Number: 015672294FLE
Waste Line Number: 1
Federal Waste Code: D018
Federal Waste: BENZENE

Manifest Tracking Number: 015672294FLE
Waste Line Number: 2
Federal Waste Code: D001
Federal Waste: IGNITABLE WASTE

Manifest Tracking Number: 015672294FLE
Waste Line Number: 3
Federal Waste Code: F003
Federal Waste: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Manifest Tracking Number: 015672294FLE
Waste Line Number: 3
Federal Waste Code: F005
Federal Waste: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Manifest Tracking Number: 015672294FLE

**CBP AIR AND MARINE (Continued)** **1027807906**

Waste Line Number: 5
Federal Waste Code: D001
Federal Waste: IGNITABLE WASTE

Manifest Tracking Number: 015672294FLE
Waste Line Number: 5
Federal Waste Code: D035
Federal Waste: METHYL ETHYL KETONE

Manifest Tracking Number: 015672294FLE
Waste Line Number: 5
Federal Waste Code: F003
Federal Waste: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Manifest Tracking Number: 015672294FLE
Waste Line Number: 5
Federal Waste Code: F005
Federal Waste: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Manifest Tracking Number: 015672294FLE
Waste Line Number: 6
Federal Waste Code: D001
Federal Waste: IGNITABLE WASTE

Transporter:
Manifest Tracking Number: 015672294FLE
Transporter Line Number: 1
Transporter EPA ID: PAD982661381
Transporter Name: Republic Env Sys (Trans Group) Llc

Waste Line:
Manifest Tracking Number: 015672294FLE
Waste Line Number: 1
U.S. DOT Hazardous Indicator: Y
U.S. DOT ID Number: UN3175
U.S. DOT Description: Un3175 Waste Solids Containing Flammable Liquid, N.O.S. (Gasoline, Benzene) Ii 4.1 D001=100#
Non-Hazardous Waste Description: Not reported
Number of Containers: 1
Container Type Code: DM
Container Type Description: Metal drums, barrels, kegs

**CBP AIR AND MARINE (Continued)** **1027807906**

| | |
|---|---|
| Waste Quantity: | 80 |
| Quantity Unit of Measure Code: | P |
| Quantity Unit of Measure Description: | Pounds |
| Waste Quantity, in Tons: | 0.04 |
| Acute Waste Quantity, in Tons: | 0 |
| Non-Acute Waste Quantity, in Tons: | 0.04 |
| Waste Quantity, in Kilograms: | 36.2812 |
| Acute Waste Quantity, in Kilograms: | 0 |
| Non-Acute Waste Quantity, in Kilorgrams: | 36.2812 |
| Management Method Code: | H141 |
| Management Method Description: | STORAGE, BULKING AND/OR TRANSFER OFF SITE |
| Waste Residue Indicator: | N |
| Quantity Discrepancy Indicator: | N |
| Waste Type Discrepancy Indicator: | N |
| Waste Density: | Not reported |
| Waste Density Unit of Measure Code: | Not reported |
| Waste Density Unit of Measure Description: | Not reported |
| Form Code: | Not reported |
| Form Code Description: | Not reported |
| Source Code: | Not reported |
| Source Code Description: | Not reported |
| Waste Minimization Code: | Not reported |
| Waste Minimization Code Description: | Not reported |
| Consent Number: | Not reported |
| EPA Waste Indicator: | Y |

| | |
|---|---|
| Manifest Tracking Number: | 015672294FLE |
| Waste Line Number: | 2 |
| U.S. DOT Hazardous Indicator: | Y |
| U.S. DOT ID Number: | UN1263 |
| U.S. DOT Description: | Un1263 Waste Paint Iii 3 D001=100# |
| Non-Hazardous Waste Description: | Not reported |
| Number of Containers: | 1 |
| Container Type Code: | DM |
| Container Type Description: | Metal drums, barrels, kegs |
| Waste Quantity: | 124 |
| Quantity Unit of Measure Code: | P |
| Quantity Unit of Measure Description: | Pounds |
| Waste Quantity, in Tons: | 0.062 |
| Acute Waste Quantity, in Tons: | 0 |
| Non-Acute Waste Quantity, in Tons: | 0.062 |
| Waste Quantity, in Kilograms: | 56.235863 |
| Acute Waste Quantity, in Kilograms: | 0 |
| Non-Acute Waste Quantity, in Kilorgrams: | 56.235863 |
| Management Method Code: | H141 |
| Management Method Description: | STORAGE, BULKING AND/OR TRANSFER OFF SITE |
| Waste Residue Indicator: | N |
| Quantity Discrepancy Indicator: | N |
| Waste Type Discrepancy Indicator: | N |
| Waste Density: | Not reported |
| Waste Density Unit of Measure Code: | Not reported |
| Waste Density Unit of Measure Description: | Not reported |
| Form Code: | Not reported |
| Form Code Description: | Not reported |
| Source Code: | Not reported |
| Source Code Description: | Not reported |
| Waste Minimization Code: | Not reported |

**CBP AIR AND MARINE (Continued)** **1027807906**

Waste Minimization Code Description: Not reported
Consent Number: Not reported
EPA Waste Indicator: Y

Manifest Tracking Number: 015672294FLE
Waste Line Number: 3
U.S. DOT Hazardous Indicator: Y
U.S. DOT ID Number: NA3077
U.S. DOT Description: Na3077 Hazardous Waste, Solid, N.O.S. (Xylene, Acetone) Iii 9 F003=100lbs
Non-Hazardous Waste Description: Not reported
Number of Containers: 3
Container Type Code: DF
Container Type Description: Fiberboard or plastic drums, barrels, kegs
Waste Quantity: 237
Quantity Unit of Measure Code: P
Quantity Unit of Measure Description: Pounds
Waste Quantity, in Tons: 0.1185
Acute Waste Quantity, in Tons: 0
Non-Acute Waste Quantity, in Tons: 0.1185
Waste Quantity, in Kilograms: 107.48306
Acute Waste Quantity, in Kilograms: 0
Non-Acute Waste Quantity, in Kilorgrams: 107.48306
Management Method Code: H141
Management Method Description: STORAGE, BULKING AND/OR TRANSFER OFF SITE
Waste Residue Indicator: N
Quantity Discrepancy Indicator: N
Waste Type Discrepancy Indicator: N
Waste Density: Not reported
Waste Density Unit of Measure Code: Not reported
Waste Density Unit of Measure Description: Not reported
Form Code: Not reported
Form Code Description: Not reported
Source Code: Not reported
Source Code Description: Not reported
Waste Minimization Code: Not reported
Waste Minimization Code Description: Not reported
Consent Number: Not reported
EPA Waste Indicator: Y

Manifest Tracking Number: 015672294FLE
Waste Line Number: 4
U.S. DOT Hazardous Indicator: N
U.S. DOT ID Number: Not reported
U.S. DOT Description: Not reported
Non-Hazardous Waste Description: NON DOT REGULATED MATERIAL (OIL)
Number of Containers: 1
Container Type Code: DM
Container Type Description: Metal drums, barrels, kegs
Waste Quantity: 434
Quantity Unit of Measure Code: P
Quantity Unit of Measure Description: Pounds
Waste Quantity, in Tons: 0.217
Acute Waste Quantity, in Tons: 0
Non-Acute Waste Quantity, in Tons: 0.217
Waste Quantity, in Kilograms: 196.82552
Acute Waste Quantity, in Kilograms: 0

**CBP AIR AND MARINE (Continued)** **1027807906**

| | |
|---|---|
| Non-Acute Waste Quantity, in Kilorgrams: | 196.82552 |
| Management Method Code: | H141 |
| Management Method Description: | STORAGE, BULKING AND/OR TRANSFER OFF SITE |
| Waste Residue Indicator: | N |
| Quantity Discrepancy Indicator: | N |
| Waste Type Discrepancy Indicator: | N |
| Waste Density: | Not reported |
| Waste Density Unit of Measure Code: | Not reported |
| Waste Density Unit of Measure Description: | Not reported |
| Form Code: | Not reported |
| Form Code Description: | Not reported |
| Source Code: | Not reported |
| Source Code Description: | Not reported |
| Waste Minimization Code: | Not reported |
| Waste Minimization Code Description: | Not reported |
| Consent Number: | Not reported |
| EPA Waste Indicator: | N |

| | |
|---|---|
| Manifest Tracking Number: | 015672294FLE |
| Waste Line Number: | 5 |
| U.S. DOT Hazardous Indicator: | Y |
| U.S. DOT ID Number: | UN1993 |
| U.S. DOT Description: | Un1993 Waste Flammable Liquids, N.O.S. (Acetone, Xylene) Ii 3 D001=100lbs |
| Non-Hazardous Waste Description: | Not reported |
| Number of Containers: | 1 |
| Container Type Code: | DM |
| Container Type Description: | Metal drums, barrels, kegs |
| Waste Quantity: | 339 |
| Quantity Unit of Measure Code: | P |
| Quantity Unit of Measure Description: | Pounds |
| Waste Quantity, in Tons: | 0.1695 |
| Acute Waste Quantity, in Tons: | 0 |
| Non-Acute Waste Quantity, in Tons: | 0.1695 |
| Waste Quantity, in Kilograms: | 153.74158 |
| Acute Waste Quantity, in Kilograms: | 0 |
| Non-Acute Waste Quantity, in Kilorgrams: | 153.74158 |
| Management Method Code: | H141 |
| Management Method Description: | STORAGE, BULKING AND/OR TRANSFER OFF SITE |
| Waste Residue Indicator: | N |
| Quantity Discrepancy Indicator: | N |
| Waste Type Discrepancy Indicator: | N |
| Waste Density: | Not reported |
| Waste Density Unit of Measure Code: | Not reported |
| Waste Density Unit of Measure Description: | Not reported |
| Form Code: | Not reported |
| Form Code Description: | Not reported |
| Source Code: | Not reported |
| Source Code Description: | Not reported |
| Waste Minimization Code: | Not reported |
| Waste Minimization Code Description: | Not reported |
| Consent Number: | Not reported |
| EPA Waste Indicator: | Y |

| | |
|---|---|
| Manifest Tracking Number: | 015672294FLE |
| Waste Line Number: | 6 |
| U.S. DOT Hazardous Indicator: | Y |

**CBP AIR AND MARINE (Continued)** **1027807906**

| | |
|---|---|
| U.S. DOT ID Number: | UN1263 |
| U.S. DOT Description: | Un1263 Waste Paint Ii 3 D001=100# |
| Non-Hazardous Waste Description: | Not reported |
| Number of Containers: | 2 |
| Container Type Code: | DF |
| Container Type Description: | Fiberboard or plastic drums, barrels, kegs |
| Waste Quantity: | 125 |
| Quantity Unit of Measure Code: | P |
| Quantity Unit of Measure Description: | Pounds |
| Waste Quantity, in Tons: | 0.0625 |
| Acute Waste Quantity, in Tons: | 0 |
| Non-Acute Waste Quantity, in Tons: | 0.0625 |
| Waste Quantity, in Kilograms: | 56.689377 |
| Acute Waste Quantity, in Kilograms: | 0 |
| Non-Acute Waste Quantity, in Kilorgrams: | 56.689377 |
| Management Method Code: | H141 |
| Management Method Description: | STORAGE, BULKING AND/OR TRANSFER OFF SITE |
| Waste Residue Indicator: | N |
| Quantity Discrepancy Indicator: | N |
| Waste Type Discrepancy Indicator: | N |
| Waste Density: | Not reported |
| Waste Density Unit of Measure Code: | Not reported |
| Waste Density Unit of Measure Description: | Not reported |
| Form Code: | Not reported |
| Form Code Description: | Not reported |
| Source Code: | Not reported |
| Source Code Description: | Not reported |
| Waste Minimization Code: | Not reported |
| Waste Minimization Code Description: | Not reported |
| Consent Number: | Not reported |
| EPA Waste Indicator: | Y |
| | |
| Manifest Tracking Number: | 015672294FLE |
| Waste Line Number: | 7 |
| U.S. DOT Hazardous Indicator: | Y |
| U.S. DOT ID Number: | UN2794 |
| U.S. DOT Description: | Un2794 Batteries, Wet, Filled With Acid, (Universal Waste Lead Acid Batteries) 8 |
| Non-Hazardous Waste Description: | Not reported |
| Number of Containers: | 1 |
| Container Type Code: | DF |
| Container Type Description: | Fiberboard or plastic drums, barrels, kegs |
| Waste Quantity: | 500 |
| Quantity Unit of Measure Code: | P |
| Quantity Unit of Measure Description: | Pounds |
| Waste Quantity, in Tons: | 0.25 |
| Acute Waste Quantity, in Tons: | 0 |
| Non-Acute Waste Quantity, in Tons: | 0.25 |
| Waste Quantity, in Kilograms: | 226.7575 |
| Acute Waste Quantity, in Kilograms: | 0 |
| Non-Acute Waste Quantity, in Kilorgrams: | 226.7575 |
| Management Method Code: | H141 |
| Management Method Description: | STORAGE, BULKING AND/OR TRANSFER OFF SITE |
| Waste Residue Indicator: | N |
| Quantity Discrepancy Indicator: | N |
| Waste Type Discrepancy Indicator: | N |
| Waste Density: | Not reported |

**CBP AIR AND MARINE (Continued)** **1027807906**

| | |
|---|---|
| Waste Density Unit of Measure Code: | Not reported |
| Waste Density Unit of Measure Description: | Not reported |
| Form Code: | Not reported |
| Form Code Description: | Not reported |
| Source Code: | Not reported |
| Source Code Description: | Not reported |
| Waste Minimization Code: | Not reported |
| Waste Minimization Code Description: | Not reported |
| Consent Number: | Not reported |
| EPA Waste Indicator: | N |

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**B10** **COLGAN AIR** **FINDS** **1007214303**
**Target** **10677 AVIATION LANE** **ECHO** **N/A**
**Property** **MANASSAS, VA 20110**

**Site 7 of 10 in cluster B**

**Actual:** **197 ft.**
**Focus Map:** **5**

FINDS:
Registry ID: 110016710585

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
The Resource Conservation and Recovery Act Information System (RCRAInfo) is EPA's comprehensive information system in support of the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. It tracks many types of information about generators, transporters, treaters, storers, and disposers of hazardous waste.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

| | |
|---|---|
| Envid: | 1007214303 |
| Registry ID: | 110016710585 |
| DFR URL: | http://echo.epa.gov/detailed-facility-report?fid=110016710585 |
| Name: | COLGAN AIR |
| Address: | 10677 AVIATION LANE |
| City,State,Zip: | MANASSAS, VA 20110 |

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**B11** **COLGAN AIR** **PA MANIFEST** **1007116771**
**Target** **10677 AVIATION LANE** **N/A**
**Property** **MANASSAS, VA 20110**

**Site 8 of 10 in cluster B**

**Actual:** **197 ft.**
**Focus Map:** **5**

PA MANIFEST:

| | |
|---|---|
| Name: | COLGAN AIR |
| Address: | 10677 AVIATION LANE |
| City,State,Zip: | MANASSAS, VA |
| Year: | 2007 |
| Manifest Number: | 000252656FLE |
| Manifest Type: | Not reported |
| Generator EPA ID: | VAR000504332 |
| Generator Date: | 04/23/2007 |
| Mailing Address: | Not reported |

**COLGAN AIR (Continued)** **1007116771**

| | |
|---|---|
| Contact Name: | KEN CERRETT |
| Contact Phone: | 703-331-3122 |
| TSD EPA ID: | PAD067098822 |
| TSD Date: | Not reported |
| TSD Facility Name: | CYCLE CHEM INC |
| TSD Facility Address: | 550 INDUSTRIAL DRIVE |
| TSD Facility City: | LEWISBERRY |
| TSD Facility State: | PA |
| Facility Telephone: | Not reported |
| Page Number: | 1 |
| Line Number: | 2 |
| Waste Number: | D001 |
| Container Number: | 2 |
| Container Type: | DM |
| Waste Quantity: | 110 |
| Unit: | G |
| Handling Code: | Not reported |
| TSP EPA ID: | Not reported |
| Date TSP Sig: | Not reported |

| | |
|---|---|
| Year: | 2007 |
| Manifest Number: | 000252656FLE |
| Manifest Type: | Not reported |
| Generator EPA ID: | VAR000504332 |
| Generator Date: | 04/23/2007 |
| Mailing Address: | Not reported |
| Contact Name: | KEN CERRETT |
| Contact Phone: | 703-331-3122 |
| TSD EPA ID: | PAD067098822 |
| TSD Date: | Not reported |
| TSD Facility Name: | CYCLE CHEM INC |
| TSD Facility Address: | 550 INDUSTRIAL DRIVE |
| TSD Facility City: | LEWISBERRY |
| TSD Facility State: | PA |
| Facility Telephone: | Not reported |
| Page Number: | 1 |
| Line Number: | 3 |
| Waste Number: | NONE |
| Container Number: | 1 |
| Container Type: | DM |
| Waste Quantity: | 55 |
| Unit: | G |
| Handling Code: | Not reported |
| TSP EPA ID: | Not reported |
| Date TSP Sig: | Not reported |

| | |
|---|---|
| Year: | 2007 |
| Manifest Number: | 000252656FLE |
| Manifest Type: | Not reported |
| Generator EPA ID: | VAR000504332 |
| Generator Date: | 04/23/2007 |
| Mailing Address: | Not reported |
| Contact Name: | KEN CERRETT |
| Contact Phone: | 703-331-3122 |
| TSD EPA ID: | PAD067098822 |
| TSD Date: | Not reported |
| TSD Facility Name: | CYCLE CHEM INC |

**COLGAN AIR (Continued)** **1007116771**

| | |
|---|---|
| TSD Facility Address: | 550 INDUSTRIAL DRIVE |
| TSD Facility City: | LEWISBERRY |
| TSD Facility State: | PA |
| Facility Telephone: | Not reported |
| Page Number: | 1 |
| Line Number: | 2 |
| Waste Number: | D035 |
| Container Number: | 2 |
| Container Type: | DM |
| Waste Quantity: | 110 |
| Unit: | G |
| Handling Code: | Not reported |
| TSP EPA ID: | Not reported |
| Date TSP Sig: | Not reported |

| | |
|---|---|
| Year: | 2007 |
| Manifest Number: | 000252656FLE |
| Manifest Type: | Not reported |
| Generator EPA ID: | VAR000504332 |
| Generator Date: | 04/23/2007 |
| Mailing Address: | Not reported |
| Contact Name: | KEN CERRETT |
| Contact Phone: | 703-331-3122 |
| TSD EPA ID: | PAD067098822 |
| TSD Date: | Not reported |
| TSD Facility Name: | CYCLE CHEM INC |
| TSD Facility Address: | 550 INDUSTRIAL DRIVE |
| TSD Facility City: | LEWISBERRY |
| TSD Facility State: | PA |
| Facility Telephone: | Not reported |
| Page Number: | 1 |
| Line Number: | 2 |
| Waste Number: | F005 |
| Container Number: | 2 |
| Container Type: | DM |
| Waste Quantity: | 110 |
| Unit: | G |
| Handling Code: | Not reported |
| TSP EPA ID: | Not reported |
| Date TSP Sig: | Not reported |

| | |
|---|---|
| Year: | 2007 |
| Manifest Number: | 000252656FLE |
| Manifest Type: | Not reported |
| Generator EPA ID: | VAR000504332 |
| Generator Date: | 04/23/2007 |
| Mailing Address: | Not reported |
| Contact Name: | KEN CERRETT |
| Contact Phone: | 703-331-3122 |
| TSD EPA ID: | PAD067098822 |
| TSD Date: | Not reported |
| TSD Facility Name: | CYCLE CHEM INC |
| TSD Facility Address: | 550 INDUSTRIAL DRIVE |
| TSD Facility City: | LEWISBERRY |
| TSD Facility State: | PA |
| Facility Telephone: | Not reported |
| Page Number: | 1 |

**COLGAN AIR (Continued)** **1007116771**

| | |
|---|---|
| Line Number: | 2 |
| Waste Number: | F003 |
| Container Number: | 2 |
| Container Type: | DM |
| Waste Quantity: | 110 |
| Unit: | G |
| Handling Code: | Not reported |
| TSP EPA ID: | Not reported |
| Date TSP Sig: | Not reported |
| | |
| Year: | 2007 |
| Manifest Number: | 000252656FLE |
| Manifest Type: | Not reported |
| Generator EPA ID: | VAR000504332 |
| Generator Date: | 04/23/2007 |
| Mailing Address: | Not reported |
| Contact Name: | KEN CERRETT |
| Contact Phone: | 703-331-3122 |
| TSD EPA ID: | PAD067098822 |
| TSD Date: | Not reported |
| TSD Facility Name: | CYCLE CHEM INC |
| TSD Facility Address: | 550 INDUSTRIAL DRIVE |
| TSD Facility City: | LEWISBERRY |
| TSD Facility State: | PA |
| Facility Telephone: | Not reported |
| Page Number: | 1 |
| Line Number: | 1 |
| Waste Number: | D001 |
| Container Number: | 2 |
| Container Type: | DM |
| Waste Quantity: | 300 |
| Unit: | P |
| Handling Code: | Not reported |
| TSP EPA ID: | Not reported |
| Date TSP Sig: | Not reported |
| | |
| Year: | 2007 |
| Manifest Number: | 000252656FLE |
| Manifest Type: | Not reported |
| Generator EPA ID: | VAR000504332 |
| Generator Date: | 04/23/2007 |
| Mailing Address: | Not reported |
| Contact Name: | KEN CERRETT |
| Contact Phone: | 703-331-3122 |
| TSD EPA ID: | PAD067098822 |
| TSD Date: | Not reported |
| TSD Facility Name: | CYCLE CHEM INC |
| TSD Facility Address: | 550 INDUSTRIAL DRIVE |
| TSD Facility City: | LEWISBERRY |
| TSD Facility State: | PA |
| Facility Telephone: | Not reported |
| Page Number: | 1 |
| Line Number: | 1 |
| Waste Number: | D018 |
| Container Number: | 2 |
| Container Type: | DM |
| Waste Quantity: | 300 |

**COLGAN AIR (Continued)** **1007116771**

| | |
|---|---|
| Unit: | P |
| Handling Code: | Not reported |
| TSP EPA ID: | Not reported |
| Date TSP Sig: | Not reported |
| | |
| Year: | 2007 |
| Manifest Number: | 000252731FLE |
| Manifest Type: | Not reported |
| Generator EPA ID: | VAR000504332 |
| Generator Date: | 02/06/2007 |
| Mailing Address: | Not reported |
| Contact Name: | KEN CERRETT |
| Contact Phone: | 703-331-3122 |
| TSD EPA ID: | PAD067098822 |
| TSD Date: | Not reported |
| TSD Facility Name: | CYCLE CHEM INC |
| TSD Facility Address: | 550 INDUSTRIAL DRIVE |
| TSD Facility City: | LEWISBERRY |
| TSD Facility State: | PA |
| Facility Telephone: | Not reported |
| Page Number: | 1 |
| Line Number: | 2 |
| Waste Number: | NONE |
| Container Number: | 1 |
| Container Type: | DM |
| Waste Quantity: | 50 |
| Unit: | P |
| Handling Code: | Not reported |
| TSP EPA ID: | Not reported |
| Date TSP Sig: | Not reported |
| | |
| Year: | 2007 |
| Manifest Number: | 000252731FLE |
| Manifest Type: | Not reported |
| Generator EPA ID: | VAR000504332 |
| Generator Date: | 02/06/2007 |
| Mailing Address: | Not reported |
| Contact Name: | KEN CERRETT |
| Contact Phone: | 703-331-3122 |
| TSD EPA ID: | PAD067098822 |
| TSD Date: | Not reported |
| TSD Facility Name: | CYCLE CHEM INC |
| TSD Facility Address: | 550 INDUSTRIAL DRIVE |
| TSD Facility City: | LEWISBERRY |
| TSD Facility State: | PA |
| Facility Telephone: | Not reported |
| Page Number: | 1 |
| Line Number: | 1 |
| Waste Number: | D001 |
| Container Number: | 2 |
| Container Type: | DM |
| Waste Quantity: | 150 |
| Unit: | P |
| Handling Code: | Not reported |
| TSP EPA ID: | Not reported |
| Date TSP Sig: | Not reported |

**COLGAN AIR (Continued)** **1007116771**

| | |
|---|---|
| Year: | 2007 |
| Manifest Number: | 000252854FLE |
| Manifest Type: | Not reported |
| Generator EPA ID: | VAR000504332 |
| Generator Date: | 08/27/2007 |
| Mailing Address: | Not reported |
| Contact Name: | KEN CERRETT |
| Contact Phone: | 703-331-3122 |
| TSD EPA ID: | PAD067098822 |
| TSD Date: | Not reported |
| TSD Facility Name: | CYCLE CHEM INC |
| TSD Facility Address: | 550 INDUSTRIAL DRIVE |
| TSD Facility City: | LEWISBERRY |
| TSD Facility State: | PA |
| Facility Telephone: | Not reported |
| Page Number: | 1 |
| Line Number: | 2 |
| Waste Number: | F005 |
| Container Number: | 1 |
| Container Type: | DM |
| Waste Quantity: | 55 |
| Unit: | G |
| Handling Code: | Not reported |
| TSP EPA ID: | Not reported |
| Date TSP Sig: | Not reported |

| | |
|---|---|
| Year: | 2007 |
| Manifest Number: | 000252854FLE |
| Manifest Type: | Not reported |
| Generator EPA ID: | VAR000504332 |
| Generator Date: | 08/27/2007 |
| Mailing Address: | Not reported |
| Contact Name: | KEN CERRETT |
| Contact Phone: | 703-331-3122 |
| TSD EPA ID: | PAD067098822 |
| TSD Date: | Not reported |
| TSD Facility Name: | CYCLE CHEM INC |
| TSD Facility Address: | 550 INDUSTRIAL DRIVE |
| TSD Facility City: | LEWISBERRY |
| TSD Facility State: | PA |
| Facility Telephone: | Not reported |
| Page Number: | 1 |
| Line Number: | 1 |
| Waste Number: | D001 |
| Container Number: | 1 |
| Container Type: | DM |
| Waste Quantity: | 55 |
| Unit: | G |
| Handling Code: | Not reported |
| TSP EPA ID: | Not reported |
| Date TSP Sig: | Not reported |

Click this hyperlink while viewing on your computer to access
50 additional PA MANIFEST: record(s) in the EDR Site Report.

**B12 COLGAN AIR** **RCRA NonGen / NLR** **1015751558**
**Target 10677 AVIATION LANE** **VAR000504332**
**Property MANASSAS, VA 20110**

**Site 9 of 10 in cluster B**

**Actual:**
**197 ft.**

**Focus Map:**
**5**

RCRA Listings:

| | |
|---|---|
| Date Form Received by Agency: | 20120703 |
| Handler Name: | Colgan Air |
| Handler Address: | Aviation Lane |
| Handler City,State,Zip: | MANASSAS, VA 20110 |
| EPA ID: | VAR000504332 |
| Contact Name: | KENNETH CERRETTI |
| Contact Address: | 10677 AVIATION LANE |
| Contact City,State,Zip: | MANASSAS, VA 20110-2701 |
| Contact Telephone: | 703-331-3122 |
| Contact Fax: | Not reported |
| Contact Email: | Not reported |
| Contact Title: | Not reported |
| EPA Region: | 03 |
| Land Type: | Private |
| Federal Waste Generator Description: | Not a generator, verified |
| Non-Notifier: | Not reported |
| Biennial Report Cycle: | Not reported |
| Accessibility: | Not reported |
| Active Site Indicator: | Not reported |
| State District Owner: | Va |
| State District: | 4 |
| Mailing Address: | AVIATION LANE |
| Mailing City,State,Zip: | MANASSAS, VA 20110-2701 |
| Owner Name: | City Of Manassas |
| Owner Type: | Municipal |
| Operator Name: | Colgan Air Inc. |
| Operator Type: | Private |
| Short-Term Generator Activity: | No |
| Importer Activity: | No |
| Mixed Waste Generator: | No |
| Transporter Activity: | No |
| Transfer Facility Activity: | No |
| Recycler Activity with Storage: | No |
| Small Quantity On-Site Burner Exemption: | No |
| Smelting Melting and Refining Furnace Exemption: | No |
| Underground Injection Control: | No |
| Off-Site Waste Receipt: | No |
| Universal Waste Indicator: | No |
| Universal Waste Destination Facility: | No |
| Federal Universal Waste: | No |
| Active Site State-Reg Handler: | --- |
| Federal Facility Indicator: | Not reported |
| Hazardous Secondary Material Indicator: | N |
| Sub-Part K Indicator: | Not reported |
| 2018 GPRA Permit Baseline: | Not on the Baseline |
| 2018 GPRA Renewals Baseline: | Not on the Baseline |
| 202 GPRA Corrective Action Baseline: | No |
| Subject to Corrective Action Universe: | No |
| Non-TSDFs Where RCRA CA has Been Imposed Universe: | No |
| Corrective Action Priority Ranking: | No NCAPS ranking |
| Environmental Control Indicator: | No |
| Institutional Control Indicator: | No |

**COLGAN AIR (Continued)** **1015751558**

| | |
|---|---|
| Human Exposure Controls Indicator: | N/A |
| Groundwater Controls Indicator: | N/A |
| Significant Non-Complier Universe: | No |
| Unaddressed Significant Non-Complier Universe: | No |
| Addressed Significant Non-Complier Universe: | No |
| Significant Non-Complier With a Compliance Schedule Universe: | No |
| Financial Assurance Required: | Not reported |
| Handler Date of Last Change: | 20120814 |
| Recognized Trader-Importer: | No |
| Recognized Trader-Exporter: | No |
| Importer of Spent Lead Acid Batteries: | No |
| Exporter of Spent Lead Acid Batteries: | No |
| Recycler Activity Without Storage: | No |
| Manifest Broker: | No |
| Sub-Part P Indicator: | No |

Hazardous Waste Summary:

| | |
|---|---|
| Waste Code: | D001 |
| Waste Description: | Ignitable Waste |
| Waste Code: | D035 |
| Waste Description: | Methyl Ethyl Ketone |
| Waste Code: | F005 |
| Waste Description: | The Following Spent Nonhalogenated Solvents: Toluene, Methyl Ethyl Ketone, Carbon Disulfide, Isobutanol, Pyridine, Benzene, 2-Ethoxyethanol, And 2-Nitropropane; All Spent Solvent Mixtures/Blends Containing, Before Use, A Total Of Ten Percent Or More (By Volume) Of One Or More Of The Above Nonhalogenated Solvents Or Those Solvents Listed In F001, F002, Or F004; And Still Bottoms From The Recovery Of These Spent Solvents And Spent Solvent Mixtures. |

Handler - Owner Operator:

| | |
|---|---|
| Owner/Operator Indicator: | Owner |
| Owner/Operator Name: CITY OF MANASSAS | |
| Legal Status: | Municipal |
| Date Became Current: | Not reported |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | Not reported |
| Owner/Operator City,State,Zip: | Not reported |
| Owner/Operator Telephone: | Not reported |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |
| Owner/Operator Indicator: | Owner |
| Owner/Operator Name: COLGAN AIR, INC | |
| Legal Status: | Private |
| Date Became Current: | 20070101 |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | PINNACLE AIRLINES CORP. |
| Owner/Operator City,State,Zip: | MEMPHIS, TN 38103 |
| Owner/Operator Telephone: | 901-348-4100 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |

**COLGAN AIR (Continued)** **1015751558**

Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: COLGAN AIR INC.
Legal Status: Private
Date Became Current: 20070101
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: CITY OF MANASSAS
Legal Status: Municipal
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20021018
Handler Name: COLGAN AIR
Federal Waste Generator Description: Small Quantity Generator
State District Owner: Va
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20120703
Handler Name: COLGAN AIR
Federal Waste Generator Description: Not a generator, verified
State District Owner: Va
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 48811
NAICS Description: AIRPORT OPERATIONS

**COLGAN AIR (Continued)** **1015751558**

Has the Facility Received Notices of Violations:

| | |
|---|---|
| Found Violation: | Yes |
| Agency Which Determined Violation: | State |
| Violation Short Description: | Generators - Pre-transport |
| Date Violation was Determined: | 20061026 |
| Actual Return to Compliance Date: | 20061103 |
| Return to Compliance Qualifier: | Observed |
| Violation Responsible Agency: | State |
| Scheduled Compliance Date: | Not reported |
| Enforcement Identifier: | 001 |
| Date of Enforcement Action: | 20061116 |
| Enforcement Responsible Agency: | State |
| Enforcement Docket Number: | Not reported |
| Enforcement Attorney: | Not reported |
| Corrective Action Component: | No |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | VERBAL INFORMAL |
| Enforcement Responsible Person: | R4JRB |
| Enforcement Responsible Sub-Organization: | NR |
| SEP Sequence Number: | Not reported |
| SEP Expenditure Amount: | Not reported |
| SEP Scheduled Completion Date: | Not reported |
| SEP Actual Date: | Not reported |
| SEP Defaulted Date: | Not reported |
| SEP Type: | Not reported |
| SEP Type Description: | Not reported |
| Proposed Amount: | Not reported |
| Final Monetary Amount: | Not reported |
| Paid Amount: | Not reported |
| Final Count: | Not reported |
| Final Amount: | Not reported |

| | |
|---|---|
| Found Violation: | Yes |
| Agency Which Determined Violation: | State |
| Violation Short Description: | Generators - Pre-transport |
| Date Violation was Determined: | 20061026 |
| Actual Return to Compliance Date: | 20061103 |
| Return to Compliance Qualifier: | Observed |
| Violation Responsible Agency: | State |
| Scheduled Compliance Date: | Not reported |
| Enforcement Identifier: | 001 |
| Date of Enforcement Action: | 20061116 |
| Enforcement Responsible Agency: | State |
| Enforcement Docket Number: | Not reported |
| Enforcement Attorney: | Not reported |
| Corrective Action Component: | No |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |
| Disposition Status: | Not reported |

**COLGAN AIR (Continued)** **1015751558**

| | |
|---|---|
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | VERBAL INFORMAL |
| Enforcement Responsible Person: | R4JRB |
| Enforcement Responsible Sub-Organization: | NR |
| SEP Sequence Number: | Not reported |
| SEP Expenditure Amount: | Not reported |
| SEP Scheduled Completion Date: | Not reported |
| SEP Actual Date: | Not reported |
| SEP Defaulted Date: | Not reported |
| SEP Type: | Not reported |
| SEP Type Description: | Not reported |
| Proposed Amount: | Not reported |
| Final Monetary Amount: | Not reported |
| Paid Amount: | Not reported |
| Final Count: | Not reported |
| Final Amount: | Not reported |

| | |
|---|---|
| Found Violation: | Yes |
| Agency Which Determined Violation: | State |
| Violation Short Description: | Generators - General |
| Date Violation was Determined: | 20061026 |
| Actual Return to Compliance Date: | 20061103 |
| Return to Compliance Qualifier: | Observed |
| Violation Responsible Agency: | State |
| Scheduled Compliance Date: | Not reported |
| Enforcement Identifier: | 001 |
| Date of Enforcement Action: | 20061116 |
| Enforcement Responsible Agency: | State |
| Enforcement Docket Number: | Not reported |
| Enforcement Attorney: | Not reported |
| Corrective Action Component: | No |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | VERBAL INFORMAL |
| Enforcement Responsible Person: | R4JRB |
| Enforcement Responsible Sub-Organization: | NR |
| SEP Sequence Number: | Not reported |
| SEP Expenditure Amount: | Not reported |
| SEP Scheduled Completion Date: | Not reported |
| SEP Actual Date: | Not reported |
| SEP Defaulted Date: | Not reported |
| SEP Type: | Not reported |
| SEP Type Description: | Not reported |
| Proposed Amount: | Not reported |
| Final Monetary Amount: | Not reported |
| Paid Amount: | Not reported |
| Final Count: | Not reported |
| Final Amount: | Not reported |

**COLGAN AIR (Continued)** **1015751558**

| | |
|---|---|
| Found Violation: | Yes |
| Agency Which Determined Violation: | State |
| Violation Short Description: | TSD IS-Container Use and Management |
| Date Violation was Determined: | 20061026 |
| Actual Return to Compliance Date: | 20061103 |
| Return to Compliance Qualifier: | Observed |
| Violation Responsible Agency: | State |
| Scheduled Compliance Date: | Not reported |
| Enforcement Identifier: | 001 |
| Date of Enforcement Action: | 20061116 |
| Enforcement Responsible Agency: | State |
| Enforcement Docket Number: | Not reported |
| Enforcement Attorney: | Not reported |
| Corrective Action Component: | No |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | VERBAL INFORMAL |
| Enforcement Responsible Person: | R4JRB |
| Enforcement Responsible Sub-Organization: | NR |
| SEP Sequence Number: | Not reported |
| SEP Expenditure Amount: | Not reported |
| SEP Scheduled Completion Date: | Not reported |
| SEP Actual Date: | Not reported |
| SEP Defaulted Date: | Not reported |
| SEP Type: | Not reported |
| SEP Type Description: | Not reported |
| Proposed Amount: | Not reported |
| Final Monetary Amount: | Not reported |
| Paid Amount: | Not reported |
| Final Count: | Not reported |
| Final Amount: | Not reported |

| | |
|---|---|
| Found Violation: | Yes |
| Agency Which Determined Violation: | State |
| Violation Short Description: | Generators - Manifest |
| Date Violation was Determined: | 20080502 |
| Actual Return to Compliance Date: | 20080513 |
| Return to Compliance Qualifier: | Documented |
| Violation Responsible Agency: | State |
| Scheduled Compliance Date: | Not reported |
| Enforcement Identifier: | Not reported |
| Date of Enforcement Action: | Not reported |
| Enforcement Responsible Agency: | Not reported |
| Enforcement Docket Number: | Not reported |
| Enforcement Attorney: | Not reported |
| Corrective Action Component: | Not reported |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |

**COLGAN AIR (Continued)** **1015751558**

| | |
|---|---|
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | Not reported |
| Enforcement Responsible Person: | Not reported |
| Enforcement Responsible Sub-Organization: | Not reported |
| SEP Sequence Number: | Not reported |
| SEP Expenditure Amount: | Not reported |
| SEP Scheduled Completion Date: | Not reported |
| SEP Actual Date: | Not reported |
| SEP Defaulted Date: | Not reported |
| SEP Type: | Not reported |
| SEP Type Description: | Not reported |
| Proposed Amount: | Not reported |
| Final Monetary Amount: | Not reported |
| Paid Amount: | Not reported |
| Final Count: | Not reported |
| Final Amount: | Not reported |

| | |
|---|---|
| Found Violation: | Yes |
| Agency Which Determined Violation: | State |
| Violation Short Description: | Generators - Pre-transport |
| Date Violation was Determined: | 20061026 |
| Actual Return to Compliance Date: | 20061103 |
| Return to Compliance Qualifier: | Observed |
| Violation Responsible Agency: | State |
| Scheduled Compliance Date: | Not reported |
| Enforcement Identifier: | 001 |
| Date of Enforcement Action: | 20061116 |
| Enforcement Responsible Agency: | State |
| Enforcement Docket Number: | Not reported |
| Enforcement Attorney: | Not reported |
| Corrective Action Component: | No |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | VERBAL INFORMAL |
| Enforcement Responsible Person: | R4JRB |
| Enforcement Responsible Sub-Organization: | NR |
| SEP Sequence Number: | Not reported |
| SEP Expenditure Amount: | Not reported |
| SEP Scheduled Completion Date: | Not reported |
| SEP Actual Date: | Not reported |
| SEP Defaulted Date: | Not reported |
| SEP Type: | Not reported |
| SEP Type Description: | Not reported |
| Proposed Amount: | Not reported |
| Final Monetary Amount: | Not reported |
| Paid Amount: | Not reported |
| Final Count: | Not reported |
| Final Amount: | Not reported |

**COLGAN AIR (Continued)** **1015751558**

Evaluation Action Summary:

| | |
|---|---|
| Evaluation Date: | 20061026 |
| Evaluation Responsible Agency: | State |
| Found Violation: | Yes |
| Evaluation Type Description: | COMPLIANCE EVALUATION INSPECTION |
| Evaluation Responsible Person Identifier: | R4JRB |
| Evaluation Responsible Sub-Organization: | NR |
| Actual Return to Compliance Date: | 20061103 |
| Scheduled Compliance Date: | Not reported |
| Date of Request: | Not reported |
| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |

| | |
|---|---|
| Evaluation Date: | 20061026 |
| Evaluation Responsible Agency: | State |
| Found Violation: | Yes |
| Evaluation Type Description: | COMPLIANCE EVALUATION INSPECTION |
| Evaluation Responsible Person Identifier: | R4JRB |
| Evaluation Responsible Sub-Organization: | NR |
| Actual Return to Compliance Date: | 20061103 |
| Scheduled Compliance Date: | Not reported |
| Date of Request: | Not reported |
| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |

| | |
|---|---|
| Evaluation Date: | 20061026 |
| Evaluation Responsible Agency: | State |
| Found Violation: | Yes |
| Evaluation Type Description: | COMPLIANCE EVALUATION INSPECTION |
| Evaluation Responsible Person Identifier: | R4JRB |
| Evaluation Responsible Sub-Organization: | NR |
| Actual Return to Compliance Date: | 20061103 |
| Scheduled Compliance Date: | Not reported |
| Date of Request: | Not reported |
| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |

| | |
|---|---|
| Evaluation Date: | 20061026 |
| Evaluation Responsible Agency: | State |
| Found Violation: | Yes |
| Evaluation Type Description: | COMPLIANCE EVALUATION INSPECTION |
| Evaluation Responsible Person Identifier: | R4JRB |
| Evaluation Responsible Sub-Organization: | NR |
| Actual Return to Compliance Date: | 20061103 |
| Scheduled Compliance Date: | Not reported |
| Date of Request: | Not reported |
| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |

| | |
|---|---|
| Evaluation Date: | 20080502 |
| Evaluation Responsible Agency: | State |
| Found Violation: | Yes |
| Evaluation Type Description: | NON-FINANCIAL RECORD REVIEW |

**COLGAN AIR (Continued)** **1015751558**

| | |
|---|---|
| Evaluation Responsible Person Identifier: | R4REC |
| Evaluation Responsible Sub-Organization: | NR |
| Actual Return to Compliance Date: | 20080513 |
| Scheduled Compliance Date: | Not reported |
| Date of Request: | Not reported |
| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |
| | |
| Evaluation Date: | 20061026 |
| Evaluation Responsible Agency: | State |
| Found Violation: | Yes |
| Evaluation Type Description: | COMPLIANCE EVALUATION INSPECTION |
| Evaluation Responsible Person Identifier: | R4JRB |
| Evaluation Responsible Sub-Organization: | NR |
| Actual Return to Compliance Date: | 20061103 |
| Scheduled Compliance Date: | Not reported |
| Date of Request: | Not reported |
| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |

---

**B13** **COLGAN AIR** **PA MANIFEST** **S107694170**
**Target** **10677 AVIATION LN** **N/A**
**Property** **MANASSAS, VA 20110**

**Site 10 of 10 in cluster B**

**Actual:** **197 ft.**
**Focus Map:** **5**

PA MANIFEST:

| | |
|---|---|
| Name: | COLGAN AIR |
| Address: | 10677 AVIATION LN |
| City,State,Zip: | MANASSAS, VA 20110 |
| Year: | 2005 |
| Manifest Number: | PAH138258 |
| Manifest Type: | T |
| Generator EPA ID: | VAP000015896 |
| Generator Date: | 01/19/2005 |
| Mailing Address: | 10677 AVIATION LN |
| Contact Name: | KEN CERRETI |
| Contact Phone: | 703-331-3122 |
| TSD EPA ID: | PAD067098822 |
| TSD Date: | 01/20/2005 |
| TSD Facility Name: | CYCLE CHEM |
| TSD Facility Address: | 550 INDUSTRIAL DR |
| TSD Facility City: | LEWISBERRY |
| TSD Facility State: | PA |
| Facility Telephone: | Not reported |
| Page Number: | 1 |
| Line Number: | 1 |
| Waste Number: | D001 |
| Container Number: | 4 |
| Container Type: | DM |
| Waste Quantity: | 1200 |
| Unit: | P |
| Handling Code: | Not reported |
| TSP EPA ID: | NJ0000027193 |
| Date TSP Sig: | 01/19/2005 |

**COLGAN AIR (Continued)** **S107694170**

| | |
|---|---|
| Year: | 2005 |
| Manifest Number: | PAH138258 |
| Manifest Type: | T |
| Generator EPA ID: | VAP000015896 |
| Generator Date: | 01/19/2005 |
| Mailing Address: | 10677 AVIATION LN |
| Contact Name: | KEN CERRETI |
| Contact Phone: | 703-331-3122 |
| TSD EPA ID: | PAD067098822 |
| TSD Date: | 01/20/2005 |
| TSD Facility Name: | CYCLE CHEM |
| TSD Facility Address: | 550 INDUSTRIAL DR |
| TSD Facility City: | LEWISBERRY |
| TSD Facility State: | PA |
| Facility Telephone: | Not reported |
| Page Number: | 1 |
| Line Number: | 2 |
| Waste Number: | NONE |
| Container Number: | 2 |
| Container Type: | DM |
| Waste Quantity: | 800 |
| Unit: | P |
| Handling Code: | Not reported |
| TSP EPA ID: | NJ0000027193 |
| Date TSP Sig: | 01/19/2005 |

| | |
|---|---|
| Year: | 2005 |
| Manifest Number: | PAH191448 |
| Manifest Type: | T |
| Generator EPA ID: | VAP000015896 |
| Generator Date: | 04/13/2005 |
| Mailing Address: | 10677 AVIATION LN |
| Contact Name: | KEN CERRETI |
| Contact Phone: | 703-331-3122 |
| TSD EPA ID: | PAD067098822 |
| TSD Date: | 04/13/2005 |
| TSD Facility Name: | CYCLE CHEM |
| TSD Facility Address: | 550 INDUSTRIAL DR |
| TSD Facility City: | LEWISBERRY |
| TSD Facility State: | PA |
| Facility Telephone: | Not reported |
| Page Number: | 1 |
| Line Number: | 1 |
| Waste Number: | D001 |
| Container Number: | 4 |
| Container Type: | DM |
| Waste Quantity: | 220 |
| Unit: | G |
| Handling Code: | Not reported |
| TSP EPA ID: | NJ0000027193 |
| Date TSP Sig: | 04/13/2005 |

| | |
|---|---|
| Year: | 2006 |
| Manifest Number: | PAH193448 |
| Manifest Type: | T |
| Generator EPA ID: | VAP000015896 |
| Generator Date: | 02/15/2006 |

**COLGAN AIR (Continued)** **S107694170**

| | |
|---|---|
| Mailing Address: | Not reported |
| Contact Name: | Not reported |
| Contact Phone: | Not reported |
| TSD EPA ID: | PAD067098822 |
| TSD Date: | Not reported |
| TSD Facility Name: | CYCLE CHEM INC |
| TSD Facility Address: | 550 INDUSTRIAL DRIVE |
| TSD Facility City: | LEWISBERRY |
| TSD Facility State: | PA |
| Facility Telephone: | 703-331-3122 |
| Page Number: | 1 |
| Line Number: | 1 |
| Waste Number: | D002 |
| Container Number: | 1 |
| Container Type: | DM |
| Waste Quantity: | 80 |
| Unit: | P |
| Handling Code: | Not reported |
| TSP EPA ID: | Not reported |
| Date TSP Sig: | Not reported |

| | |
|---|---|
| Year: | 2006 |
| Manifest Number: | PAH193448 |
| Manifest Type: | T |
| Generator EPA ID: | VAP000015896 |
| Generator Date: | 02/15/2006 |
| Mailing Address: | Not reported |
| Contact Name: | Not reported |
| Contact Phone: | Not reported |
| TSD EPA ID: | PAD067098822 |
| TSD Date: | Not reported |
| TSD Facility Name: | CYCLE CHEM INC |
| TSD Facility Address: | 550 INDUSTRIAL DRIVE |
| TSD Facility City: | LEWISBERRY |
| TSD Facility State: | PA |
| Facility Telephone: | 703-331-3122 |
| Page Number: | 1 |
| Line Number: | 1 |
| Waste Number: | D008 |
| Container Number: | 1 |
| Container Type: | DM |
| Waste Quantity: | 80 |
| Unit: | P |
| Handling Code: | Not reported |
| TSP EPA ID: | Not reported |
| Date TSP Sig: | Not reported |

| | |
|---|---|
| Year: | 2006 |
| Manifest Number: | PAH193448 |
| Manifest Type: | T |
| Generator EPA ID: | VAP000015896 |
| Generator Date: | 02/15/2006 |
| Mailing Address: | Not reported |
| Contact Name: | Not reported |
| Contact Phone: | Not reported |
| TSD EPA ID: | PAD067098822 |
| TSD Date: | Not reported |

**COLGAN AIR (Continued)** **S107694170**

| | |
|---|---|
| TSD Facility Name: | CYCLE CHEM INC |
| TSD Facility Address: | 550 INDUSTRIAL DRIVE |
| TSD Facility City: | LEWISBERRY |
| TSD Facility State: | PA |
| Facility Telephone: | 703-331-3122 |
| Page Number: | 1 |
| Line Number: | 2 |
| Waste Number: | NONE |
| Container Number: | 1 |
| Container Type: | DM |
| Waste Quantity: | 450 |
| Unit: | P |
| Handling Code: | Not reported |
| TSP EPA ID: | Not reported |
| Date TSP Sig: | Not reported |
| | |
| Year: | 2006 |
| Manifest Number: | PAH193448 |
| Manifest Type: | T |
| Generator EPA ID: | VAP000015896 |
| Generator Date: | 02/15/2006 |
| Mailing Address: | Not reported |
| Contact Name: | Not reported |
| Contact Phone: | Not reported |
| TSD EPA ID: | PAD067098822 |
| TSD Date: | Not reported |
| TSD Facility Name: | CYCLE CHEM INC |
| TSD Facility Address: | 550 INDUSTRIAL DRIVE |
| TSD Facility City: | LEWISBERRY |
| TSD Facility State: | PA |
| Facility Telephone: | 703-331-3122 |
| Page Number: | 1 |
| Line Number: | 3 |
| Waste Number: | D001 |
| Container Number: | 1 |
| Container Type: | DF |
| Waste Quantity: | 25 |
| Unit: | P |
| Handling Code: | Not reported |
| TSP EPA ID: | Not reported |
| Date TSP Sig: | Not reported |
| | |
| Year: | 2006 |
| Manifest Number: | PAH193448 |
| Manifest Type: | T |
| Generator EPA ID: | VAP000015896 |
| Generator Date: | 02/15/2006 |
| Mailing Address: | Not reported |
| Contact Name: | Not reported |
| Contact Phone: | Not reported |
| TSD EPA ID: | PAD067098822 |
| TSD Date: | Not reported |
| TSD Facility Name: | CYCLE CHEM INC |
| TSD Facility Address: | 550 INDUSTRIAL DRIVE |
| TSD Facility City: | LEWISBERRY |
| TSD Facility State: | PA |
| Facility Telephone: | 703-331-3122 |

**COLGAN AIR (Continued)** **S107694170**

| | |
|---|---|
| Page Number: | 1 |
| Line Number: | 4 |
| Waste Number: | D006 |
| Container Number: | 1 |
| Container Type: | DF |
| Waste Quantity: | 60 |
| Unit: | P |
| Handling Code: | Not reported |
| TSP EPA ID: | Not reported |
| Date TSP Sig: | Not reported |
| | |
| Year: | 2006 |
| Manifest Number: | PAH193449 |
| Manifest Type: | T |
| Generator EPA ID: | VAP000015896 |
| Generator Date: | 02/15/2006 |
| Mailing Address: | Not reported |
| Contact Name: | Not reported |
| Contact Phone: | Not reported |
| TSD EPA ID: | PAD067098822 |
| TSD Date: | Not reported |
| TSD Facility Name: | CYCLE CHEM INC |
| TSD Facility Address: | 550 INDUSTRIAL DRIVE |
| TSD Facility City: | LEWISBERRY |
| TSD Facility State: | PA |
| Facility Telephone: | 703-331-3122 |
| Page Number: | 1 |
| Line Number: | 1 |
| Waste Number: | D001 |
| Container Number: | 2 |
| Container Type: | DM |
| Waste Quantity: | 500 |
| Unit: | P |
| Handling Code: | Not reported |
| TSP EPA ID: | Not reported |
| Date TSP Sig: | Not reported |
| | |
| Year: | 2006 |
| Manifest Number: | PAH193449 |
| Manifest Type: | T |
| Generator EPA ID: | VAP000015896 |
| Generator Date: | 02/15/2006 |
| Mailing Address: | Not reported |
| Contact Name: | Not reported |
| Contact Phone: | Not reported |
| TSD EPA ID: | PAD067098822 |
| TSD Date: | Not reported |
| TSD Facility Name: | CYCLE CHEM INC |
| TSD Facility Address: | 550 INDUSTRIAL DRIVE |
| TSD Facility City: | LEWISBERRY |
| TSD Facility State: | PA |
| Facility Telephone: | 703-331-3122 |
| Page Number: | 1 |
| Line Number: | 1 |
| Waste Number: | D035 |
| Container Number: | 2 |
| Container Type: | DM |

**COLGAN AIR (Continued)** **S107694170**

| | |
|---|---|
| Waste Quantity: | 500 |
| Unit: | P |
| Handling Code: | Not reported |
| TSP EPA ID: | Not reported |
| Date TSP Sig: | Not reported |
| | |
| Year: | 2006 |
| Manifest Number: | PAH193449 |
| Manifest Type: | T |
| Generator EPA ID: | VAP000015896 |
| Generator Date: | 02/15/2006 |
| Mailing Address: | Not reported |
| Contact Name: | Not reported |
| Contact Phone: | Not reported |
| TSD EPA ID: | PAD067098822 |
| TSD Date: | Not reported |
| TSD Facility Name: | CYCLE CHEM INC |
| TSD Facility Address: | 550 INDUSTRIAL DRIVE |
| TSD Facility City: | LEWISBERRY |
| TSD Facility State: | PA |
| Facility Telephone: | 703-331-3122 |
| Page Number: | 1 |
| Line Number: | 2 |
| Waste Number: | D002 |
| Container Number: | 1 |
| Container Type: | DF |
| Waste Quantity: | 10 |
| Unit: | P |
| Handling Code: | Not reported |
| TSP EPA ID: | Not reported |
| Date TSP Sig: | Not reported |

Click this hyperlink while viewing on your computer to access
21 additional PA MANIFEST: record(s) in the EDR Site Report.

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**14** **CHANTILLY AIR** **E MANIFEST** **1027808663**
**Target** **10761 JAMES PAYNE CT** **N/A**
**Property** **MANASSAS, VA 20110**

**Actual:**
**201 ft.**

**Focus Map:**
**5**

E MANIFEST:

| | |
|---|---|
| Manifest Tracking Number: | 008065653SKS |
| Last Updated Date: | 20220328 |
| Shipped Date: | 20220128 |
| Received Date: | 20220307 |
| Manifest Status: | Signed |
| Submission Type: | DataImage5Copy |
| Origin Type: | Service |
| Generator EPA ID: | CESQG |
| Generator Name: | Chantilly Air |
| Generator Mail Street Number: | Not reported |
| Generator Mail Street 1: | 10761 JAMES PAYNE CT |
| Generator Mail Street 2: | Not reported |
| Generator Mail City: | MANASSAS |
| Generator Mail State: | VA |
| Generator Mail Zip: | 20110 |
| Generator Location Street Number: | Not reported |
| Generator Location Street 1: | 10761 James Payne CT |
| Generator Location Street 2: | Not reported |

**CHANTILLY AIR (Continued)** **1027808663**

| | |
|---|---|
| Generator Location City: | Manassas |
| Generator Location Zip: | 20110 |
| Generator Location State: | VA |
| Generator Contact Company Name: | Chantilly Air |
| Designated Facility EPA ID: | ARD069748192 |
| Designated Facility Name: | Clean Harbors El Dorado Llc |
| Designated Facility Mail Street Number: | Not reported |
| Designated Facility Mail Street 1: | Not reported |
| Designated Facility Mail Street 2: | 309 American Circle |
| Designated Facility Mail City: | El Dorado |
| Designated Facility Mail Zip: | 71730 |
| Designated Facility Mail State: | AR |
| Designated Facility Location Street Number: | Not reported |
| Designated Facility Location Street 1: | 309 American Circle |
| Designated Facility Location Street 2: | Not reported |
| Designated Facility Location City: | El Dorado |
| Designated Facility Location Zip: | 71730 |
| Designated Facility Location State: | AR |
| Designated Facility Contact Company Name: | Not reported |
| Manifest Residue Indicator: | N |
| Rejection Indicator: | N |

Federal Waste:

| | |
|---|---|
| Manifest Tracking Number: | 008065653SKS |
| Waste Line Number: | 1 |
| Federal Waste Code: | D001 |
| Federal Waste: | IGNITABLE WASTE |

| | |
|---|---|
| Manifest Tracking Number: | 008065653SKS |
| Waste Line Number: | 1 |
| Federal Waste Code: | D018 |
| Federal Waste: | BENZENE |

Transporter:

| | |
|---|---|
| Manifest Tracking Number: | 008065653SKS |
| Transporter Line Number: | 1 |
| Transporter EPA ID: | TXR000081205 |
| Transporter Name: | Safety-Kleen Systems, Inc. |

| | |
|---|---|
| Manifest Tracking Number: | 008065653SKS |
| Transporter Line Number: | 2 |
| Transporter EPA ID: | MAD039322250 |
| Transporter Name: | Clean Harbors Environmental Services, Inc. |

| | |
|---|---|
| Manifest Tracking Number: | 008065653SKS |
| Transporter Line Number: | 3 |
| Transporter EPA ID: | PAR000524041 |
| Transporter Name: | Us Environmental |

| | |
|---|---|
| Manifest Tracking Number: | 008065653SKS |
| Transporter Line Number: | 4 |
| Transporter EPA ID: | MAD039322250 |
| Transporter Name: | Clean Harbors Environmental Services, Inc. |

| | |
|---|---|
| Manifest Tracking Number: | 008065653SKS |
| Transporter Line Number: | 5 |

**CHANTILLY AIR (Continued)** **1027808663**

Transporter EPA ID: PAR000524041
Transporter Name: Us Environmental

Waste Line:
Manifest Tracking Number: 008065653SKS
Waste Line Number: 1
U.S. DOT Hazardous Indicator: Y
U.S. DOT ID Number: UN3175
U.S. DOT Description: Un3175, Waste Solids Containing Flammable Liquid, N.O.S. (Gasoline, Benzene), 4.1, Pg Ii
Non-Hazardous Waste Description: Not reported
Number of Containers: 2
Container Type Code: DM
Container Type Description: Metal drums, barrels, kegs
Waste Quantity: 200
Quantity Unit of Measure Code: P
Quantity Unit of Measure Description: Pounds
Waste Quantity, in Tons: 0.1
Acute Waste Quantity, in Tons: 0
Non-Acute Waste Quantity, in Tons: 0.1
Waste Quantity, in Kilograms: 90.703
Acute Waste Quantity, in Kilograms: 0
Non-Acute Waste Quantity, in Kilorgrams: 90.703
Management Method Code: H040
Management Method Description: INCINERATION
Waste Residue Indicator: N
Quantity Discrepancy Indicator: N
Waste Type Discrepancy Indicator: N
Waste Density: Not reported
Waste Density Unit of Measure Code: Not reported
Waste Density Unit of Measure Description: Not reported
Form Code: Not reported
Form Code Description: Not reported
Source Code: Not reported
Source Code Description: Not reported
Waste Minimization Code: Not reported
Waste Minimization Code Description: Not reported
Consent Number: Not reported
EPA Waste Indicator: Y

---

**15** **ASOU OFFSITE** **RCRA-VSQG 1004791730**
**Target** **10678 AVIATION LANE** **FINDS VAR000500389**
**Property** **MANASSAS, VA 20110** **ECHO**
**NJ MANIFEST**

**Actual:** **197 ft.**
**Focus Map:** **5**

RCRA Listings:
Date Form Received by Agency: 20001211
Handler Name: Asou Offsite
Handler Address: 10678 Aviation Lane
Handler City,State,Zip: MANASSAS, VA 20110-2729
EPA ID: VAR000500389
Contact Name: PAUL WUTTKE
Contact Address: 10678 AVIATION LANE
Contact City,State,Zip: MANASSAS, VA 20110-2729
Contact Telephone: 703-632-4033
Contact Fax: Not reported
Contact Email: Not reported

**ASOU OFFSITE (Continued)** **1004791730**

| | |
|---|---|
| Contact Title: | Not reported |
| EPA Region: | 03 |
| Land Type: | Municipal |
| Federal Waste Generator Description: | Conditionally Exempt Small Quantity Generator |
| Non-Notifier: | Not reported |
| Biennial Report Cycle: | Not reported |
| Accessibility: | Not reported |
| Active Site Indicator: | Handler Activities |
| State District Owner: | Va |
| State District: | 4 |
| Mailing Address: | 10678 AVIATION LANE |
| Mailing City,State,Zip: | MANASSAS, VA 20110-2729 |
| Owner Name: | Federal Bureau Of Investigation |
| Owner Type: | Federal |
| Operator Name: | Not reported |
| Operator Type: | Not reported |
| Short-Term Generator Activity: | No |
| Importer Activity: | No |
| Mixed Waste Generator: | No |
| Transporter Activity: | No |
| Transfer Facility Activity: | No |
| Recycler Activity with Storage: | No |
| Small Quantity On-Site Burner Exemption: | No |
| Smelting Melting and Refining Furnace Exemption: | No |
| Underground Injection Control: | No |
| Off-Site Waste Receipt: | No |
| Universal Waste Indicator: | No |
| Universal Waste Destination Facility: | No |
| Federal Universal Waste: | No |
| Active Site State-Reg Handler: | --- |
| Federal Facility Indicator: | The site is federally-owned |
| Hazardous Secondary Material Indicator: | N |
| Sub-Part K Indicator: | Not reported |
| 2018 GPRA Permit Baseline: | Not on the Baseline |
| 2018 GPRA Renewals Baseline: | Not on the Baseline |
| 202 GPRA Corrective Action Baseline: | No |
| Subject to Corrective Action Universe: | No |
| Non-TSDFs Where RCRA CA has Been Imposed Universe: | No |
| Corrective Action Priority Ranking: | No NCAPS ranking |
| Environmental Control Indicator: | No |
| Institutional Control Indicator: | No |
| Human Exposure Controls Indicator: | N/A |
| Groundwater Controls Indicator: | N/A |
| Significant Non-Complier Universe: | No |
| Unaddressed Significant Non-Complier Universe: | No |
| Addressed Significant Non-Complier Universe: | No |
| Significant Non-Complier With a Compliance Schedule Universe: | No |
| Financial Assurance Required: | Not reported |
| Handler Date of Last Change: | 20150414 |
| Recognized Trader-Importer: | No |
| Recognized Trader-Exporter: | No |
| Importer of Spent Lead Acid Batteries: | No |
| Exporter of Spent Lead Acid Batteries: | No |
| Recycler Activity Without Storage: | No |
| Manifest Broker: | No |
| Sub-Part P Indicator: | No |

**ASOU OFFSITE (Continued)** **1004791730**

Hazardous Waste Summary:
Waste Code: D001
Waste Description: Ignitable Waste

Handler - Owner Operator:
Owner/Operator Indicator: Owner
Owner/Operator Name: FEDERAL BUREAU OF INVESTIGATION
Legal Status: Federal
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: PO BOX 807
Owner/Operator City,State,Zip: BRISTOW, VA 20136-0660
Owner/Operator Telephone: 703-632-4000
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20001211
Handler Name: ASOU OFFSITE
Federal Waste Generator Description: Conditionally Exempt Small Quantity Generator
State District Owner: Va
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

Has the Facility Received Notices of Violations:
Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported

**ASOU OFFSITE (Continued)** **1004791730**

Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Evaluation Action Summary:
Evaluation Date: 20061026
Evaluation Responsible Agency: State
Found Violation: No
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Evaluation Responsible Person Identifier: R4JRB
Evaluation Responsible Sub-Organization: NR
Actual Return to Compliance Date: Not reported
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

FINDS:
Registry ID: 110005291745

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
The Resource Conservation and Recovery Act Information System (RCRAInfo) is EPA's comprehensive information system in support of the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. It tracks many types of information about generators, transporters, treaters, storers, and disposers of hazardous waste.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1004791730
Registry ID: 110005291745
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110005291745
Name: ASOU OFFSITE
Address: 10678 AVIATION LANE
City,State,Zip: MANASSAS, VA 20110

**ASOU OFFSITE (Continued)** **1004791730**

NJ MANIFEST:

| | |
|---|---|
| EPA ID: | VAR000500389 |
| Name: | AEROGRAPHICS |
| Address: | 10678 AVIATION LANE |
| City,State,Zip: | MANASSAS, VA 20110 |
| County: | Not reported |
| Mailing Address: | 10678 AVIATION LANE |
| Mailing City,State,Zip: | MANASSAS 20110 |
| Telephone: | 7033303691 |
| Emergency Telephone: | Not reported |
| Contact: | THOMAS CRANE |
| Comments: | Not reported |
| SIC Code: | Not reported |
| County: | 00 |
| Municipal: | 00 |
| Previous EPAID: | Not reported |
| Generator Flag: | X |
| Transporter Flag: | Not reported |
| TSDF Flag: | Not reported |
| Name Change: | Not reported |
| Date Change: | Not reported |

Manifest Data:

| | |
|---|---|
| EPA ID: | VAR000500389 |
| Manifest Number: | NJA5309787 |
| Date Shipped: | 06/09/2006 |
| TSDF EPA ID: | NJD002182897 |
| Transporter EPA ID: | TXR000050930 |
| Transporter 2 EPA ID: | Not reported |
| Transporter 3 EPA ID: | Not reported |
| Transporter 4 EPA ID: | Not reported |
| Transporter 5 EPA ID: | Not reported |
| Transporter 6 EPA ID: | Not reported |
| Transporter 7 EPA ID: | Not reported |
| Transporter 8 EPA ID: | Not reported |
| Transporter 9 EPA ID: | Not reported |
| Transporter 10 EPA ID: | Not reported |
| Date Trans1 Transported Waste: | 06/09/2006 |
| Date Trans2 Transported Waste: | Not reported |
| Date Trans3 Transported Waste: | Not reported |
| Date Trans4 Transported Waste: | Not reported |
| Date Trans5 Transported Waste: | Not reported |
| Date Trans6 Transported Waste: | Not reported |
| Date Trans7 Transported Waste: | Not reported |
| Date Trans8 Transported Waste: | Not reported |
| Date Trans9 Transported Waste: | Not reported |
| Date Trans10 Transported Waste: | Not reported |
| Date TSDF Received Waste: | 06/14/2006 |
| TSDF EPA Facility Name: | Not reported |
| QTY Units: | Not reported |
| Transporter SEQ ID: | Not reported |
| Transporter-1 Date: | Not reported |
| Waste SEQ ID: | Not reported |
| Waste Type Code 2: | Not reported |
| Waste Type Code 3: | Not reported |
| Waste Type Code 4: | Not reported |
| Waste Type Code 5: | Not reported |

**ASOU OFFSITE (Continued)** **1004791730**

| | |
|---|---|
| Waste Type Code 6: | Not reported |
| Date Accepted: | Not reported |
| Manifest Discrepancy Type: | Not reported |
| Data Entry Number: | 07240621 |
| Was Load Rejected: | N |
| Reason Load Was Rejected: | Not reported |
| | |
| EPA ID: | VAR000500389 |
| Manifest Number: | NJA5250977 |
| Date Shipped: | 11/04/2005 |
| TSDF EPA ID: | NJD002182897 |
| Transporter EPA ID: | TXR000050930 |
| Transporter 2 EPA ID: | Not reported |
| Transporter 3 EPA ID: | Not reported |
| Transporter 4 EPA ID: | Not reported |
| Transporter 5 EPA ID: | Not reported |
| Transporter 6 EPA ID: | Not reported |
| Transporter 7 EPA ID: | Not reported |
| Transporter 8 EPA ID: | Not reported |
| Transporter 9 EPA ID: | Not reported |
| Transporter 10 EPA ID: | Not reported |
| Date Trans1 Transported Waste: | 11/04/2005 |
| Date Trans2 Transported Waste: | Not reported |
| Date Trans3 Transported Waste: | Not reported |
| Date Trans4 Transported Waste: | Not reported |
| Date Trans5 Transported Waste: | Not reported |
| Date Trans6 Transported Waste: | Not reported |
| Date Trans7 Transported Waste: | Not reported |
| Date Trans8 Transported Waste: | Not reported |
| Date Trans9 Transported Waste: | Not reported |
| Date Trans10 Transported Waste: | Not reported |
| Date TSDF Received Waste: | 11/10/2005 |
| TSDF EPA Facility Name: | Not reported |
| QTY Units: | Not reported |
| Transporter SEQ ID: | Not reported |
| Transporter-1 Date: | Not reported |
| Waste SEQ ID: | Not reported |
| Waste Type Code 2: | Not reported |
| Waste Type Code 3: | Not reported |
| Waste Type Code 4: | Not reported |
| Waste Type Code 5: | Not reported |
| Waste Type Code 6: | Not reported |
| Date Accepted: | Not reported |
| Manifest Discrepancy Type: | Not reported |
| Data Entry Number: | 01180625 |
| Was Load Rejected: | N |
| Reason Load Was Rejected: | Not reported |
| | |
| EPA ID: | VAR000500389 |
| Manifest Number: | NJA5094858 |
| Date Shipped: | 04/16/2004 |
| TSDF EPA ID: | NJD002182897 |
| Transporter EPA ID: | TXR000050930 |
| Transporter 2 EPA ID: | Not reported |
| Transporter 3 EPA ID: | Not reported |
| Transporter 4 EPA ID: | Not reported |
| Transporter 5 EPA ID: | Not reported |

**ASOU OFFSITE (Continued)** **1004791730**

| | |
|---|---|
| Transporter 6 EPA ID: | Not reported |
| Transporter 7 EPA ID: | Not reported |
| Transporter 8 EPA ID: | Not reported |
| Transporter 9 EPA ID: | Not reported |
| Transporter 10 EPA ID: | Not reported |
| Date Trans1 Transported Waste: | 04/16/2004 |
| Date Trans2 Transported Waste: | Not reported |
| Date Trans3 Transported Waste: | Not reported |
| Date Trans4 Transported Waste: | Not reported |
| Date Trans5 Transported Waste: | Not reported |
| Date Trans6 Transported Waste: | Not reported |
| Date Trans7 Transported Waste: | Not reported |
| Date Trans8 Transported Waste: | Not reported |
| Date Trans9 Transported Waste: | Not reported |
| Date Trans10 Transported Waste: | Not reported |
| Date TSDF Received Waste: | 04/26/2004 |
| TSDF EPA Facility Name: | Not reported |
| QTY Units: | Not reported |
| Transporter SEQ ID: | Not reported |
| Transporter-1 Date: | Not reported |
| Waste SEQ ID: | Not reported |
| Waste Type Code 2: | Not reported |
| Waste Type Code 3: | Not reported |
| Waste Type Code 4: | Not reported |
| Waste Type Code 5: | Not reported |
| Waste Type Code 6: | Not reported |
| Date Accepted: | Not reported |
| Manifest Discrepancy Type: | Not reported |
| Data Entry Number: | 05110421 |
| Was Load Rejected: | N |
| Reason Load Was Rejected: | Not reported |

| | |
|---|---|
| EPA ID: | VAR000500389 |
| Manifest Number: | NJA5259467 |
| Date Shipped: | 02/15/2006 |
| TSDF EPA ID: | NJD002182897 |
| Transporter EPA ID: | TXR000050930 |
| Transporter 2 EPA ID: | Not reported |
| Transporter 3 EPA ID: | Not reported |
| Transporter 4 EPA ID: | Not reported |
| Transporter 5 EPA ID: | Not reported |
| Transporter 6 EPA ID: | Not reported |
| Transporter 7 EPA ID: | Not reported |
| Transporter 8 EPA ID: | Not reported |
| Transporter 9 EPA ID: | Not reported |
| Transporter 10 EPA ID: | Not reported |
| Date Trans1 Transported Waste: | 02/15/2006 |
| Date Trans2 Transported Waste: | Not reported |
| Date Trans3 Transported Waste: | Not reported |
| Date Trans4 Transported Waste: | Not reported |
| Date Trans5 Transported Waste: | Not reported |
| Date Trans6 Transported Waste: | Not reported |
| Date Trans7 Transported Waste: | Not reported |
| Date Trans8 Transported Waste: | Not reported |
| Date Trans9 Transported Waste: | Not reported |
| Date Trans10 Transported Waste: | Not reported |
| Date TSDF Received Waste: | 02/21/2006 |

**ASOU OFFSITE (Continued)** **1004791730**

| | |
|---|---|
| TSDF EPA Facility Name: | Not reported |
| QTY Units: | Not reported |
| Transporter SEQ ID: | Not reported |
| Transporter-1 Date: | Not reported |
| Waste SEQ ID: | Not reported |
| Waste Type Code 2: | Not reported |
| Waste Type Code 3: | Not reported |
| Waste Type Code 4: | Not reported |
| Waste Type Code 5: | Not reported |
| Waste Type Code 6: | Not reported |
| Date Accepted: | Not reported |
| Manifest Discrepancy Type: | Not reported |
| Data Entry Number: | 04040621 |
| Was Load Rejected: | N |
| Reason Load Was Rejected: | Not reported |

| | |
|---|---|
| EPA ID: | VAR000500389 |
| Manifest Number: | NJA5070132 |
| Date Shipped: | 08/02/2004 |
| TSDF EPA ID: | NJD002182897 |
| Transporter EPA ID: | TXR000050930 |
| Transporter 2 EPA ID: | Not reported |
| Transporter 3 EPA ID: | Not reported |
| Transporter 4 EPA ID: | Not reported |
| Transporter 5 EPA ID: | Not reported |
| Transporter 6 EPA ID: | Not reported |
| Transporter 7 EPA ID: | Not reported |
| Transporter 8 EPA ID: | Not reported |
| Transporter 9 EPA ID: | Not reported |
| Transporter 10 EPA ID: | Not reported |
| Date Trans1 Transported Waste: | 08/02/2004 |
| Date Trans2 Transported Waste: | Not reported |
| Date Trans3 Transported Waste: | Not reported |
| Date Trans4 Transported Waste: | Not reported |
| Date Trans5 Transported Waste: | Not reported |
| Date Trans6 Transported Waste: | Not reported |
| Date Trans7 Transported Waste: | Not reported |
| Date Trans8 Transported Waste: | Not reported |
| Date Trans9 Transported Waste: | Not reported |
| Date Trans10 Transported Waste: | Not reported |
| Date TSDF Received Waste: | 08/06/2004 |
| TSDF EPA Facility Name: | Not reported |
| QTY Units: | Not reported |
| Transporter SEQ ID: | Not reported |
| Transporter-1 Date: | Not reported |
| Waste SEQ ID: | Not reported |
| Waste Type Code 2: | Not reported |
| Waste Type Code 3: | Not reported |
| Waste Type Code 4: | Not reported |
| Waste Type Code 5: | Not reported |
| Waste Type Code 6: | Not reported |
| Date Accepted: | Not reported |
| Manifest Discrepancy Type: | Not reported |
| Data Entry Number: | 08300425 |
| Was Load Rejected: | N |
| Reason Load Was Rejected: | Not reported |

**ASOU OFFSITE (Continued)** **1004791730**

| | |
|---|---|
| EPA ID: | VAR000500389 |
| Manifest Number: | NJA5070800 |
| Date Shipped: | 03/14/2005 |
| TSDF EPA ID: | NJD002182897 |
| Transporter EPA ID: | TXR000050930 |
| Transporter 2 EPA ID: | Not reported |
| Transporter 3 EPA ID: | Not reported |
| Transporter 4 EPA ID: | Not reported |
| Transporter 5 EPA ID: | Not reported |
| Transporter 6 EPA ID: | Not reported |
| Transporter 7 EPA ID: | Not reported |
| Transporter 8 EPA ID: | Not reported |
| Transporter 9 EPA ID: | Not reported |
| Transporter 10 EPA ID: | Not reported |
| Date Trans1 Transported Waste: | 03/14/2005 |
| Date Trans2 Transported Waste: | Not reported |
| Date Trans3 Transported Waste: | Not reported |
| Date Trans4 Transported Waste: | Not reported |
| Date Trans5 Transported Waste: | Not reported |
| Date Trans6 Transported Waste: | Not reported |
| Date Trans7 Transported Waste: | Not reported |
| Date Trans8 Transported Waste: | Not reported |
| Date Trans9 Transported Waste: | Not reported |
| Date Trans10 Transported Waste: | Not reported |
| Date TSDF Received Waste: | 03/21/2005 |
| TSDF EPA Facility Name: | Not reported |
| QTY Units: | Not reported |
| Transporter SEQ ID: | Not reported |
| Transporter-1 Date: | Not reported |
| Waste SEQ ID: | Not reported |
| Waste Type Code 2: | Not reported |
| Waste Type Code 3: | Not reported |
| Waste Type Code 4: | Not reported |
| Waste Type Code 5: | Not reported |
| Waste Type Code 6: | Not reported |
| Date Accepted: | Not reported |
| Manifest Discrepancy Type: | Not reported |
| Data Entry Number: | 05110521 |
| Was Load Rejected: | N |
| Reason Load Was Rejected: | Not reported |

| | |
|---|---|
| EPA ID: | VAR000500389 |
| Manifest Number: | NJA5068386 |
| Date Shipped: | 06/29/2005 |
| TSDF EPA ID: | NJD002182897 |
| Transporter EPA ID: | TXR000050930 |
| Transporter 2 EPA ID: | Not reported |
| Transporter 3 EPA ID: | Not reported |
| Transporter 4 EPA ID: | Not reported |
| Transporter 5 EPA ID: | Not reported |
| Transporter 6 EPA ID: | Not reported |
| Transporter 7 EPA ID: | Not reported |
| Transporter 8 EPA ID: | Not reported |
| Transporter 9 EPA ID: | Not reported |
| Transporter 10 EPA ID: | Not reported |
| Date Trans1 Transported Waste: | 06/29/2005 |
| Date Trans2 Transported Waste: | Not reported |

**ASOU OFFSITE (Continued)** **1004791730**

| | |
|---|---|
| Date Trans3 Transported Waste: | Not reported |
| Date Trans4 Transported Waste: | Not reported |
| Date Trans5 Transported Waste: | Not reported |
| Date Trans6 Transported Waste: | Not reported |
| Date Trans7 Transported Waste: | Not reported |
| Date Trans8 Transported Waste: | Not reported |
| Date Trans9 Transported Waste: | Not reported |
| Date Trans10 Transported Waste: | Not reported |
| Date TSDF Received Waste: | 07/06/2005 |
| TSDF EPA Facility Name: | Not reported |
| QTY Units: | Not reported |
| Transporter SEQ ID: | Not reported |
| Transporter-1 Date: | Not reported |
| Waste SEQ ID: | Not reported |
| Waste Type Code 2: | Not reported |
| Waste Type Code 3: | Not reported |
| Waste Type Code 4: | Not reported |
| Waste Type Code 5: | Not reported |
| Waste Type Code 6: | Not reported |
| Date Accepted: | Not reported |
| Manifest Discrepancy Type: | Not reported |
| Data Entry Number: | 07280525 |
| Was Load Rejected: | N |
| Reason Load Was Rejected: | Not reported |

| | |
|---|---|
| EPA ID: | VAR000500389 |
| Manifest Number: | NJA5072103 |
| Date Shipped: | 12/03/2004 |
| TSDF EPA ID: | NJD002182897 |
| Transporter EPA ID: | TXR000050930 |
| Transporter 2 EPA ID: | Not reported |
| Transporter 3 EPA ID: | Not reported |
| Transporter 4 EPA ID: | Not reported |
| Transporter 5 EPA ID: | Not reported |
| Transporter 6 EPA ID: | Not reported |
| Transporter 7 EPA ID: | Not reported |
| Transporter 8 EPA ID: | Not reported |
| Transporter 9 EPA ID: | Not reported |
| Transporter 10 EPA ID: | Not reported |
| Date Trans1 Transported Waste: | 12/03/2004 |
| Date Trans2 Transported Waste: | Not reported |
| Date Trans3 Transported Waste: | Not reported |
| Date Trans4 Transported Waste: | Not reported |
| Date Trans5 Transported Waste: | Not reported |
| Date Trans6 Transported Waste: | Not reported |
| Date Trans7 Transported Waste: | Not reported |
| Date Trans8 Transported Waste: | Not reported |
| Date Trans9 Transported Waste: | Not reported |
| Date Trans10 Transported Waste: | Not reported |
| Date TSDF Received Waste: | 12/12/2004 |
| TSDF EPA Facility Name: | Not reported |
| QTY Units: | Not reported |
| Transporter SEQ ID: | Not reported |
| Transporter-1 Date: | Not reported |
| Waste SEQ ID: | Not reported |
| Waste Type Code 2: | Not reported |
| Waste Type Code 3: | Not reported |

**ASOU OFFSITE (Continued)** **1004791730**

| | |
|---|---|
| Waste Type Code 4: | Not reported |
| Waste Type Code 5: | Not reported |
| Waste Type Code 6: | Not reported |
| Date Accepted: | Not reported |
| Manifest Discrepancy Type: | Not reported |
| Data Entry Number: | 01210521 |
| Was Load Rejected: | N |
| Reason Load Was Rejected: | Not reported |

---

**C16** **PHI AIR MEDICAL, L.L.C.** **E MANIFEST** **1027970824**
**Target Property** **9990 WAKEMAN DRIVE** **N/A**
**MANASSAS, VA 20110**

**Site 1 of 7 in cluster C**

**Actual:** **191 ft.**
**Focus Map:** **5**

E MANIFEST:

| | |
|---|---|
| Manifest Tracking Number: | 008046072SKS |
| Last Updated Date: | 20210830 |
| Shipped Date: | 20210422 |
| Received Date: | 20210809 |
| Manifest Status: | Signed |
| Submission Type: | DataImage5Copy |
| Origin Type: | Service |
| Generator EPA ID: | NONEREQUIRED |
| Generator Name: | Phi Air Medical, L.L.C. |
| Generator Mail Street Number: | Not reported |
| Generator Mail Street 1: | 9990 WAKEMAN DRIVE |
| Generator Mail Street 2: | Not reported |
| Generator Mail City: | MANASSAS |
| Generator Mail State: | VA |
| Generator Mail Zip: | 20110 |
| Generator Location Street Number: | Not reported |
| Generator Location Street 1: | 9990 Wakeman Drive |
| Generator Location Street 2: | Not reported |
| Generator Location City: | Manassas |
| Generator Location Zip: | 20110 |
| Generator Location State: | VA |
| Generator Contact Company Name: | PHI Air Medical, L.L.C. |
| Designated Facility EPA ID: | ARD069748192 |
| Designated Facility Name: | Clean Harbors El Dorado Llc |
| Designated Facility Mail Street Number: | Not reported |
| Designated Facility Mail Street 1: | Not reported |
| Designated Facility Mail Street 2: | 309 American Circle |
| Designated Facility Mail City: | El Dorado |
| Designated Facility Mail Zip: | 71730 |
| Designated Facility Mail State: | AR |
| Designated Facility Location Street Number: | Not reported |
| Designated Facility Location Street 1: | 309 American Circle |
| Designated Facility Location Street 2: | Not reported |
| Designated Facility Location City: | El Dorado |
| Designated Facility Location Zip: | 71730 |
| Designated Facility Location State: | AR |
| Designated Facility Contact Company Name: | Not reported |
| Manifest Residue Indicator: | N |
| Rejection Indicator: | N |

**PHI AIR MEDICAL, L.L.C. (Continued)** **1027970824**

Federal Waste:
Manifest Tracking Number: 008046072SKS
Waste Line Number: 1
Federal Waste Code: D001
Federal Waste: IGNITABLE WASTE

Manifest Tracking Number: 008046072SKS
Waste Line Number: 2
Federal Waste Code: D001
Federal Waste: IGNITABLE WASTE

Manifest Tracking Number: 008046072SKS
Waste Line Number: 4
Federal Waste Code: D002
Federal Waste: CORROSIVE WASTE

Transporter:
Manifest Tracking Number: 008046072SKS
Transporter Line Number: 1
Transporter EPA ID: MAD039322250
Transporter Name: Clean Harbors Environmental Services, Inc.

Waste Line:
Manifest Tracking Number: 008046072SKS
Waste Line Number: 1
U.S. DOT Hazardous Indicator: Y
U.S. DOT ID Number: UN1950
U.S. DOT Description: Un1950, Waste Aerosols, 2.1, None
Non-Hazardous Waste Description: Not reported
Number of Containers: 1
Container Type Code: CF
Container Type Description: Fiber or plastic boxes, cartons, cases
Waste Quantity: 2
Quantity Unit of Measure Code: P
Quantity Unit of Measure Description: Pounds
Waste Quantity, in Tons: 0.001
Acute Waste Quantity, in Tons: 0
Non-Acute Waste Quantity, in Tons: 0.001
Waste Quantity, in Kilograms: 0.90703005
Acute Waste Quantity, in Kilograms: 0
Non-Acute Waste Quantity, in Kilorgrams: 0.90703005
Management Method Code: H040
Management Method Description: INCINERATION
Waste Residue Indicator: N
Quantity Discrepancy Indicator: N
Waste Type Discrepancy Indicator: N
Waste Density: Not reported
Waste Density Unit of Measure Code: Not reported
Waste Density Unit of Measure Description: Not reported
Form Code: Not reported
Form Code Description: Not reported
Source Code: Not reported
Source Code Description: Not reported
Waste Minimization Code: Not reported
Waste Minimization Code Description: Not reported
Consent Number: Not reported

**PHI AIR MEDICAL, L.L.C. (Continued)** **1027970824**

| | |
|---|---|
| EPA Waste Indicator: | Y |
| Manifest Tracking Number: | 008046072SKS |
| Waste Line Number: | 2 |
| U.S. DOT Hazardous Indicator: | Y |
| U.S. DOT ID Number: | UN1993 |
| U.S. DOT Description: | Un1993, Waste Flammable Liquids, N.O.S. (Adhesives, Petroleum Distillates), 3, Pg Ii |
| Non-Hazardous Waste Description: | Not reported |
| Number of Containers: | 1 |
| Container Type Code: | DM |
| Container Type Description: | Metal drums, barrels, kegs |
| Waste Quantity: | 94 |
| Quantity Unit of Measure Code: | P |
| Quantity Unit of Measure Description: | Pounds |
| Waste Quantity, in Tons: | 0.047 |
| Acute Waste Quantity, in Tons: | 0 |
| Non-Acute Waste Quantity, in Tons: | 0.047 |
| Waste Quantity, in Kilograms: | 42.63041 |
| Acute Waste Quantity, in Kilograms: | 0 |
| Non-Acute Waste Quantity, in Kilorgrams: | 42.63041 |
| Management Method Code: | H040 |
| Management Method Description: | INCINERATION |
| Waste Residue Indicator: | N |
| Quantity Discrepancy Indicator: | N |
| Waste Type Discrepancy Indicator: | N |
| Waste Density: | Not reported |
| Waste Density Unit of Measure Code: | Not reported |
| Waste Density Unit of Measure Description: | Not reported |
| Form Code: | Not reported |
| Form Code Description: | Not reported |
| Source Code: | Not reported |
| Source Code Description: | Not reported |
| Waste Minimization Code: | Not reported |
| Waste Minimization Code Description: | Not reported |
| Consent Number: | Not reported |
| EPA Waste Indicator: | Y |
| Manifest Tracking Number: | 008046072SKS |
| Waste Line Number: | 3 |
| U.S. DOT Hazardous Indicator: | Y |
| U.S. DOT ID Number: | UN2794 |
| U.S. DOT Description: | Un2794, Batteries, Wet, Filled With Acid, 8, None, (Universal Waste-Lead Acid) |
| Non-Hazardous Waste Description: | Not reported |
| Number of Containers: | 1 |
| Container Type Code: | DF |
| Container Type Description: | Fiberboard or plastic drums, barrels, kegs |
| Waste Quantity: | 25 |
| Quantity Unit of Measure Code: | P |
| Quantity Unit of Measure Description: | Pounds |
| Waste Quantity, in Tons: | 0.0125 |
| Acute Waste Quantity, in Tons: | 0 |
| Non-Acute Waste Quantity, in Tons: | 0.0125 |
| Waste Quantity, in Kilograms: | 11.337875 |
| Acute Waste Quantity, in Kilograms: | 0 |
| Non-Acute Waste Quantity, in Kilorgrams: | 11.337875 |

**PHI AIR MEDICAL, L.L.C. (Continued)** **1027970824**

Management Method Code: H141
Management Method Description: STORAGE, BULKING AND/OR TRANSFER OFF SITE
Waste Residue Indicator: N
Quantity Discrepancy Indicator: N
Waste Type Discrepancy Indicator: N
Waste Density: Not reported
Waste Density Unit of Measure Code: Not reported
Waste Density Unit of Measure Description: Not reported
Form Code: Not reported
Form Code Description: Not reported
Source Code: Not reported
Source Code Description: Not reported
Waste Minimization Code: Not reported
Waste Minimization Code Description: Not reported
Consent Number: Not reported
EPA Waste Indicator: N

Manifest Tracking Number: 008046072SKS
Waste Line Number: 4
U.S. DOT Hazardous Indicator: Y
U.S. DOT ID Number: UN3267
U.S. DOT Description: Un3267, Waste Corrosive Liquid, Basic, Organic, N.O.S. (Amine Catalyst), 8, Pg Ii
Non-Hazardous Waste Description: Not reported
Number of Containers: 1
Container Type Code: CF
Container Type Description: Fiber or plastic boxes, cartons, cases
Waste Quantity: 3
Quantity Unit of Measure Code: P
Quantity Unit of Measure Description: Pounds
Waste Quantity, in Tons: 0.0015
Acute Waste Quantity, in Tons: 0
Non-Acute Waste Quantity, in Tons: 0.0015
Waste Quantity, in Kilograms: 1.360545
Acute Waste Quantity, in Kilograms: 0
Non-Acute Waste Quantity, in Kilorgrams: 1.360545
Management Method Code: H040
Management Method Description: INCINERATION
Waste Residue Indicator: N
Quantity Discrepancy Indicator: N
Waste Type Discrepancy Indicator: N
Waste Density: Not reported
Waste Density Unit of Measure Code: Not reported
Waste Density Unit of Measure Description: Not reported
Form Code: Not reported
Form Code Description: Not reported
Source Code: Not reported
Source Code Description: Not reported
Waste Minimization Code: Not reported
Waste Minimization Code Description: Not reported
Consent Number: Not reported
EPA Waste Indicator: Y

Manifest Tracking Number: 008046072SKS
Waste Line Number: 5
U.S. DOT Hazardous Indicator: N
U.S. DOT ID Number: Not reported

**PHI AIR MEDICAL, L.L.C. (Continued)** **1027970824**

| | |
|---|---|
| U.S. DOT Description: | Not reported |
| Non-Hazardous Waste Description: | NONE, NON D.O.T. REGULATED (OILY RAGS), N/A, NONE |
| Number of Containers: | 1 |
| Container Type Code: | CF |
| Container Type Description: | Fiber or plastic boxes, cartons, cases |
| Waste Quantity: | 5 |
| Quantity Unit of Measure Code: | P |
| Quantity Unit of Measure Description: | Pounds |
| Waste Quantity, in Tons: | 0.0025 |
| Acute Waste Quantity, in Tons: | 0 |
| Non-Acute Waste Quantity, in Tons: | 0.0025 |
| Waste Quantity, in Kilograms: | 2.267575 |
| Acute Waste Quantity, in Kilograms: | 0 |
| Non-Acute Waste Quantity, in Kilorgrams: | 2.267575 |
| Management Method Code: | H040 |
| Management Method Description: | INCINERATION |
| Waste Residue Indicator: | N |
| Quantity Discrepancy Indicator: | N |
| Waste Type Discrepancy Indicator: | N |
| Waste Density: | Not reported |
| Waste Density Unit of Measure Code: | Not reported |
| Waste Density Unit of Measure Description: | Not reported |
| Form Code: | Not reported |
| Form Code Description: | Not reported |
| Source Code: | Not reported |
| Source Code Description: | Not reported |
| Waste Minimization Code: | Not reported |
| Waste Minimization Code Description: | Not reported |
| Consent Number: | Not reported |
| EPA Waste Indicator: | N |

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**D17**
**Target Property**

**OPTICAL AIR DATA SYSTEMS, INC,**
**10781 JAMES PAYNE COURT**
**MANASSAS, VA 20110**

**FINDS** **1024407315**
**N/A**

**Site 1 of 2 in cluster D**

**Actual:**
**199 ft.**

FINDS:
Registry ID: 110070322979

**Focus Map:**
**5**

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
The Department of Labor, Occupational Safety and Health Administration information system consists of inspection case detail for approximately 100,000 OSHA inspections conducted annually. The FRS dataset includes facilities that had inspections within the last 7 years within the mining, oil and gas, utilities, and manufacturing sectors.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

**C18** **LEIDOS, INC. - HANGAR 1** **ECHO** **1027192365**
**Target** **10661 FRANK MARSHALL LANE** **N/A**
**Property** **MANASSAS, VA 20110**

**Site 2 of 7 in cluster C**

**Actual:** **191 ft.**
**Focus Map:** **5**

ECHO:

| | |
|---|---|
| Envid: | 1027192365 |
| Registry ID: | 110071249010 |
| DFR URL: | http://echo.epa.gov/detailed-facility-report?fid=110071249010 |
| Name: | LEIDOS, INC. - HANGAR 1 |
| Address: | 10661 FRANK MARSHALL LANE |
| City,State,Zip: | MANASSAS, VA 20110 |

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**C19** **LEIDOS, INC. - HANGAR 1** **FINDS** **1027177073**
**Target** **10661 FRANK MARSHALL LANE** **N/A**
**Property** **MANASSAS, VA 20110**

**Site 3 of 7 in cluster C**

**Actual:** **191 ft.**
**Focus Map:** **5**

FINDS:
Registry ID: 110071249010

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
The Resource Conservation and Recovery Act Information System (RCRAInfo) is EPA's comprehensive information system in support of the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. It tracks many types of information about generators, transporters, treaters, storers, and disposers of hazardous waste.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

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**C20** **LEIDOS, INC. - HANGAR 1** **RCRA-SQG** **1027223319**
**Target** **10661 FRANK MARSHALL LANE** **VAR000538991**
**Property** **MANASSAS, VA 20110**

**Site 4 of 7 in cluster C**

**Actual:** **191 ft.**
**Focus Map:** **5**

RCRA Listings:

| | |
|---|---|
| Date Form Received by Agency: | 20220314 |
| Handler Name: | Leidos, Inc. - Hangar 1 |
| Handler Address: | Frank Marshall Lane |
| Handler City,State,Zip: | MANASSAS, VA 20110 |
| EPA ID: | VAR000538991 |
| Contact Name: | ANDREW GRONAN |
| Contact Address: | PRESIDENTS STREET |
| Contact City,State,Zip: | RESTON, VA 20190 |
| Contact Telephone: | 703-835-5840 |
| Contact Fax: | Not reported |
| Contact Email: | ANDREW.GRONAN@LEIDOS.COM |
| Contact Title: | ENVIRONMENTAL HEALTH & SAFETY ENGINEER |
| EPA Region: | 03 |
| Land Type: | Municipal |
| Federal Waste Generator Description: | Small Quantity Generator |
| Non-Notifier: | Not reported |
| Biennial Report Cycle: | Not reported |

**LEIDOS, INC. - HANGAR 1 (Continued)** **1027223319**

| | |
|---|---|
| Accessibility: | Not reported |
| Active Site Indicator: | Handler Activities |
| State District Owner: | Va |
| State District: | 4 |
| Mailing Address: | FRANK MARSHALL LANE |
| Mailing City,State,Zip: | MANASSAS, VA 20110 |
| Owner Name: | App Jet Center |
| Owner Type: | Private |
| Operator Name: | Leidos |
| Operator Type: | Private |
| Short-Term Generator Activity: | No |
| Importer Activity: | No |
| Mixed Waste Generator: | No |
| Transporter Activity: | No |
| Transfer Facility Activity: | No |
| Recycler Activity with Storage: | No |
| Small Quantity On-Site Burner Exemption: | No |
| Smelting Melting and Refining Furnace Exemption: | No |
| Underground Injection Control: | No |
| Off-Site Waste Receipt: | No |
| Universal Waste Indicator: | No |
| Universal Waste Destination Facility: | No |
| Federal Universal Waste: | No |
| Active Site State-Reg Handler: | --- |
| Federal Facility Indicator: | Not reported |
| Hazardous Secondary Material Indicator: | N |
| Sub-Part K Indicator: | Not reported |
| 2018 GPRA Permit Baseline: | Not on the Baseline |
| 2018 GPRA Renewals Baseline: | Not on the Baseline |
| 202 GPRA Corrective Action Baseline: | No |
| Subject to Corrective Action Universe: | No |
| Non-TSDFs Where RCRA CA has Been Imposed Universe: | No |
| Corrective Action Priority Ranking: | No NCAPS ranking |
| Environmental Control Indicator: | No |
| Institutional Control Indicator: | No |
| Human Exposure Controls Indicator: | N/A |
| Groundwater Controls Indicator: | N/A |
| Significant Non-Complier Universe: | No |
| Unaddressed Significant Non-Complier Universe: | No |
| Addressed Significant Non-Complier Universe: | No |
| Significant Non-Complier With a Compliance Schedule Universe: | No |
| Financial Assurance Required: | Not reported |
| Handler Date of Last Change: | 20220315 |
| Recognized Trader-Importer: | No |
| Recognized Trader-Exporter: | No |
| Importer of Spent Lead Acid Batteries: | No |
| Exporter of Spent Lead Acid Batteries: | No |
| Recycler Activity Without Storage: | No |
| Manifest Broker: | No |
| Sub-Part P Indicator: | No |

Hazardous Waste Summary:

| | |
|---|---|
| Waste Code: | D001 |
| Waste Description: | Ignitable Waste |

**LEIDOS, INC. - HANGAR 1 (Continued)** **1027223319**

Handler - Owner Operator:

| | |
|---|---|
| Owner/Operator Indicator: | Owner |
| Owner/Operator Name: APP JET CENTER | |
| Legal Status: | Private |
| Date Became Current: | 20220314 |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | 9998 WAKEMAN DRIVE |
| Owner/Operator City,State,Zip: | MANASSAS, VA 20110 |
| Owner/Operator Telephone: | 475-258-0419 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | QREDDEN@APPJETCENTER.COM |

| | |
|---|---|
| Owner/Operator Indicator: | Operator |
| Owner/Operator Name: LEIDOS | |
| Legal Status: | Private |
| Date Became Current: | 20220314 |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | 1750 PRESIDENTS STREET |
| Owner/Operator City,State,Zip: | RESTON, VA 20190 |
| Owner/Operator Telephone: | 703-835-5840 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | ANDREW.GRONAN@LEIDOS.COM |

Historic Generators:

| | |
|---|---|
| Receive Date: | 20220314 |
| Handler Name: LEIDOS, INC. - HANGAR 1 | |
| Federal Waste Generator Description: | Small Quantity Generator |
| State District Owner: | Va |
| Large Quantity Handler of Universal Waste: | No |
| Recognized Trader Importer: | No |
| Recognized Trader Exporter: | No |
| Spent Lead Acid Battery Importer: | No |
| Spent Lead Acid Battery Exporter: | No |
| Current Record: | Yes |
| Non Storage Recycler Activity: | No |
| Electronic Manifest Broker: | No |

List of NAICS Codes and Descriptions:

| | |
|---|---|
| NAICS Code: | 541715 |
| NAICS Description: | RESEARCH AND DEVELOPMENT IN THE PHYSICAL, ENGINEERING, AND LIFE SCIENCES (EXCEPT NANOTECHNOLOGY AND BIOTECHNOLOGY |

Facility Has Received Notices of Violations:

| | |
|---|---|
| Violations: | No Violations Found |

Evaluation Action Summary:

| | |
|---|---|
| Evaluations: | No Evaluations Found |

**C21** **VA SPILLS** **S125934657**
**Target Property** **10661 FRANK MARSHALL DR**
**MANASSAS, VA** **N/A**

**Site 5 of 7 in cluster C**

**Actual:** **191 ft.**

**Focus Map:** **5**

SPILLS:

| | |
|---|---|
| Name: | Not reported |
| Address: | 10661 FRANK MARSHALL DR |
| City,State,Zip: | MANASSAS, VA |
| City,State,Zip: | MANASSAS, VA |
| Fips City/County: | 683/Manassas City |
| Status: | Closed |
| Reference Id: | 293717 |
| IR Number: | Not reported |
| Associated IR: | 293715 |
| Incident Date: | 02/07/2020 |
| Call Received Date: | 02/07/2020 |
| Closure Comments: | Duplicate pollution report see IR# 293715 for incident information and records |
| Threat To: | Not reported |
| Terrorism (Y/N): | Not reported |
| Characterize Incident: | Accidental |
| Incident Type: | Point Source(Water) |
| Incident Subtype: | Not reported |
| Materials: | Aqueous Film Forming Foam |
| Effect To Receptor: | Impacted |
| Water Body: | Cannon Branch |
| Low Quantity To Water: | 150 |
| High Quantity To Water: | 175 |
| Quantity Units: | Gallons |
| Other Receptors: | 150-175 gals of AFFF concentrate in system |
| RP Company: | City of Manassas |
| RP Name: | Not reported |
| Property Owner: | Not reported |
| Property Company: | Not reported |
| Duration Of Event (Hrs): | Not reported |
| Impacts: | Not reported |
| Other Impacts: | Not reported |
| Steps Taken: | Not reported |
| Steps Taken Description: | Not reported |
| System Components: | Not reported |
| Other System Components: | Not reported |
| Cause Of Event: | Not reported |
| Corrective Action Taken: | Not reported |
| Weather Status: | No |
| Precipitation (Wet): | Not reported |
| Discharge Type: | Not reported |
| Discharge Volume: | Not reported |
| Unknown Discharge (Y/N): | Not reported |
| Site Name: | ILLICIT FIRE-FIGHTING FOAM DISCHARGE - MANASSAS REGIONAL AIRPORT |
| Closure Date: | 02/07/2020 |
| Orig. Call Incident Description: | SAU Officer: Olivia Cassada State Mission Number: HMVA- 40824 Hazard Class: Class 9 - Miscellaneous Mode Facility: 08 Other Jurisdiction: Prince William Co Facility Name/Incident Location: MANNASSAS AIRPORT Incident Address: 10661 FRANK MARSHALL DR, MANNASSAS, VA Origin: Local Jurisdiction Incident Lat/Long: 38.7295542030005 / -77.5135037149997 Callback Number: 703-792-6813 VDEM Region: 7 OIC On Scene: (old hazard area): Caller Name: TRACY-DISPATCHER Incident Date: 02/07/2020 Contact |

**(Continued)** **S125934657**

Name: TRUCK 501-DISPATCH @ 703-792-6813 Incident Time: 0215 Details: AIRPLANE WAS STARTED IN THE HANGAR AND FIRE SUPPRESSION FOAM SYSTEM DISCHARGED. ACCORDING TO TRUCK 501, THERE IS FOAM EVERYWHERE IN THE HANGAR AND ALL ACROSS THE ROAD. AN UNKNOWN AMOUNT HAS GOTTEN INTO THE CANNON BRANCH WATERWAY. PRINCE WILLIAM COUNTY HAZMAT IS PROVIDING THEIR OWN HAZMAT CONSULT AND NO VDEM OR DEQ ASSISTANCE REQUESTED AT THIS TIME, BUT LOCALITY WILL CALL BACK IF IT IS NEEDED. BATTALION CHIEF NARY IS EN ROUTE TO THE SCENE. Products Involved: FIRE SUPPRESSION FOAM Quantity Lost: UNK - Gallons UN #: EHS: Water Affected: Yes Which Water? CANNON BRANCH Fish Kill: No DEQ Notified?: No DEQ Office/Email: NRO DEQ On Scene: No Container Type: Other Other (Specify): FIRE SUPPRESSION SYSTEM Evacuation?: Yes Distance: EVACUATION OF ENTIRE BUILDING Injuries: No How Many?: 8 RHMO 1: Higginbotham Actions: Notification Only

| | |
|---|---|
| Original Call Material Description: | Not reported |
| Original Call Location Description: | Manassas Regional Airport - Leidos Hangar |
| Incident Ongoing at time of Call: | No |
| Agencies Notified (Y/N): | Not reported |
| Other Agencies: | Local Fire/EMS, Local Government, Local Utilities, VA Department of Emergency Management (VDEM) |
| Permitted (Y/N): | No |
| Call Reported By Company Name: | Not reported |
| Call Property Owner Company Name: | Not reported |
| Call Property Owner Name: | Not reported |
| Site Summary: | AIRPLANE WAS STARTED IN THE HANGAR AND FIRE SUPPRESSION FOAM SYSTEM DISCHARGED. ACCORDING TO TRUCK 501, THERE IS FOAM EVERYWHERE IN THE HANGAR AND ALL ACROSS THE ROAD. AN UNKNOWN AMOUNT HAS GOTTEN INTO THE CANNON BRANCH WATERWAY. PRINCE WILLIAM COUNTY HAZMAT IS PROVIDING THEIR OWN HAZMAT CONSULT AND NO VDEM OR DEQ ASSISTANCE REQUESTED AT THIS TIME, BUT LOCALITY WILL CALL BACK IF IT IS NEEDED. BATTALION CHIEF NARY IS EN ROUTE TO THE SCENE. |

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**C22** **KING AEROSPACE INC.** **E MANIFEST** **1027838071**
**Target** **10661 FRANK MARSHALL LN** **N/A**
**Property** **MANASSAS, VA 20109**

**Site 6 of 7 in cluster C**

**Actual:** **191 ft.**

**Focus Map:** **5**

E MANIFEST:

| | |
|---|---|
| Manifest Tracking Number: | 007176430SKS |
| Last Updated Date: | 20200302 |
| Shipped Date: | 20200123 |
| Received Date: | 20200210 |
| Manifest Status: | Signed |
| Submission Type: | DataImage5Copy |
| Origin Type: | Service |
| Generator EPA ID: | CESQG |
| Generator Name: | King Aerospace Inc. |
| Generator Mail Street Number: | Not reported |
| Generator Mail Street 1: | 10661 FRANK MARSHALL LN |
| Generator Mail Street 2: | Not reported |
| Generator Mail City: | MANASSAS |
| Generator Mail State: | VA |
| Generator Mail Zip: | 20109 |
| Generator Location Street Number: | Not reported |
| Generator Location Street 1: | 10661 Frank Marshall Ln |
| Generator Location Street 2: | Not reported |
| Generator Location City: | Manassas |

**KING AEROSPACE INC. (Continued)** **1027838071**

| | |
|---|---|
| Generator Location Zip: | 20109 |
| Generator Location State: | VA |
| Generator Contact Company Name: | King Aerospace Inc. |
| Designated Facility EPA ID: | KYD053348108 |
| Designated Facility Name: | Not reported |
| Designated Facility Mail Street Number: | Not reported |
| Designated Facility Mail Street 1: | Not reported |
| Designated Facility Mail Street 2: | 3700 LaGrange Road |
| Designated Facility Mail City: | Smithfield |
| Designated Facility Mail Zip: | 40068 |
| Designated Facility Mail State: | KY |
| Designated Facility Location Street Number: | Not reported |
| Designated Facility Location Street 1: | 3700 LaGrange Road |
| Designated Facility Location Street 2: | Not reported |
| Designated Facility Location City: | Smithfield |
| Designated Facility Location Zip: | 40068 |
| Designated Facility Location State: | KY |
| Designated Facility Contact Company Name: | Safety-Kleen Systems, Inc. |
| Manifest Residue Indicator: | N |
| Rejection Indicator: | N |

Federal Waste:

| | |
|---|---|
| Manifest Tracking Number: | 007176430SKS |
| Waste Line Number: | 1 |
| Federal Waste Code: | D001 |
| Federal Waste: | IGNITABLE WASTE |

Transporter:

| | |
|---|---|
| Manifest Tracking Number: | 007176430SKS |
| Transporter Line Number: | 1 |
| Transporter EPA ID: | TXR000081205 |
| Transporter Name: | Safety-Kleen Systems, Inc. |
| Manifest Tracking Number: | 007176430SKS |
| Transporter Line Number: | 2 |
| Transporter EPA ID: | MAD039322250 |
| Transporter Name: | Clean Harbors Environmental Services, Inc. |
| Manifest Tracking Number: | 007176430SKS |
| Transporter Line Number: | 3 |
| Transporter EPA ID: | NJD071629976 |
| Transporter Name: | Sj Transportation Co Inc |

Waste Line:

| | |
|---|---|
| Manifest Tracking Number: | 007176430SKS |
| Waste Line Number: | 1 |
| U.S. DOT Hazardous Indicator: | Y |
| U.S. DOT ID Number: | UN1268 |
| U.S. DOT Description: | Un1268, Waste Un1268, Waste Petroleum Distillates, N.O.S., Combustible Liquid, Pg Iii, Combustible Liquid, Pg Iii |
| Non-Hazardous Waste Description: | Not reported |
| Number of Containers: | 1 |
| Container Type Code: | DM |
| Container Type Description: | Metal drums, barrels, kegs |
| Waste Quantity: | 250 |
| Quantity Unit of Measure Code: | P |

**KING AEROSPACE INC. (Continued)** **1027838071**

| | |
|---|---|
| Quantity Unit of Measure Description: | Pounds |
| Waste Quantity, in Tons: | 0.125 |
| Acute Waste Quantity, in Tons: | 0 |
| Non-Acute Waste Quantity, in Tons: | 0.125 |
| Waste Quantity, in Kilograms: | 113.37875 |
| Acute Waste Quantity, in Kilograms: | 0 |
| Non-Acute Waste Quantity, in Kilorgrams: | 113.37875 |
| Management Method Code: | H061 |
| Management Method Description: | FUEL BLENDING |
| Waste Residue Indicator: | N |
| Quantity Discrepancy Indicator: | N |
| Waste Type Discrepancy Indicator: | N |
| Waste Density: | Not reported |
| Waste Density Unit of Measure Code: | Not reported |
| Waste Density Unit of Measure Description: | Not reported |
| Form Code: | Not reported |
| Form Code Description: | Not reported |
| Source Code: | Not reported |
| Source Code Description: | Not reported |
| Waste Minimization Code: | Not reported |
| Waste Minimization Code Description: | Not reported |
| Consent Number: | Not reported |
| EPA Waste Indicator: | Y |

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**C23** **MANASSAS REGIONAL AIRPORT** **VA SPILLS** **S125934658**
**Target** **10661 FRANK MARSHAL LANE** **N/A**
**Property** **MANASSAS, VA 20110**

**Site 7 of 7 in cluster C**

**Actual:** **191 ft.**

**Focus Map:** **5**

SPILLS:

| | |
|---|---|
| Name: | MANASSAS REGIONAL AIRPORT |
| Address: | 10661 FRANK MARSHAL LANE |
| City,State,Zip: | MANASSAS, VA 20110 |
| City,State,Zip: | MANASSAS, VA 20110 |
| Fips City/County: | 683/Manassas City |
| Status: | Closed |
| Reference Id: | 300725 |
| IR Number: | Not reported |
| Associated IR: | Not reported |
| Incident Date: | 08/27/2021 |
| Call Received Date: | 08/28/2021 |
| Closure Comments: | Appropriate compliance actions completed and verified by DEQ. Accidental high-expansion foam discharge at Manassas Airport Leidos hired First Call Environmental (FCE) to complete spill cleanup FCE completed spill cleanup - Leidos response report received Report meets requirement Spill did not reach storm drain or surface water No additional DEQ action necessary |
| Threat To: | Not reported |
| Terrorism (Y/N): | Not reported |
| Characterize Incident: | Accidental |
| Incident Type: | Solid Waste(Waste) |
| Incident Subtype: | Not reported |
| Materials: | Aqueous Film Forming Foam |
| Effect To Receptor: | Not reported |
| Water Body: | Not reported |
| Low Quantity To Water: | Not reported |
| High Quantity To Water: | Not reported |

**MANASSAS REGIONAL AIRPORT (Continued)** **S125934658**

| | |
|---|---|
| Quantity Units: | Not reported |
| Other Receptors: | foam did not impact surface water |
| RP Company: | Manassas Regional Airport (City of Manassas) |
| RP Name: | ClarenceShockley |
| Property Owner: | Not reported |
| Property Company: | Not reported |
| Duration Of Event (Hrs): | Not reported |
| Impacts: | Not reported |
| Other Impacts: | Not reported |
| Steps Taken: | Not reported |
| Steps Taken Description: | Not reported |
| System Components: | Not reported |
| Other System Components: | Not reported |
| Cause Of Event: | Not reported |
| Corrective Action Taken: | Not reported |
| Weather Status: | No |
| Precipitation (Wet): | Not reported |
| Discharge Type: | Not reported |
| Discharge Volume: | Not reported |
| Unknown Discharge (Y/N): | Not reported |
| Site Name: | HIGH-EXPANSION FOAM DISCHARGE - MANASSAS AIRPORT - LEIDOS HANGAR |
| Closure Date: | 04/05/2022 |
| Orig. Call Incident Description: | Foam Suppression System Discharge |
| Original Call Material Description: | Not reported |
| Original Call Location Description: | Leidos Hangar Facility |
| Incident Ongoing at time of Call: | No |
| Agencies Notified (Y/N): | Not reported |
| Other Agencies: | Local 911, Local Fire/EMS, Local Government |
| Permitted (Y/N): | Yes |
| Call Reported By Company Name: | Leidos Corporation |
| Call Property Owner Company Name: | Not reported |
| Call Property Owner Name: | Not reported |
| Site Summary: | DEQ received a pollution report for a high-expansion, fire-fighting foam discharge at the Manassas Airport in Prince William Co. The accidental discharge occurred at the Leidos Hangar and impacted the inside of the hangar and the hangar concrete apron. This foam does not contain fluorocarbons, and no foam reached a storm drain or surface water. Leidos hired First Call Environmental to complete foam cleanup. All runoff was contained utilized a vacuum truck, and the liquid was properly disposed. Leidos response was received and the report meets requirements. No additional DEQ action necessary. |
| Name: | Not reported |
| Address: | 10661 FRANK MARSHALL LANE |
| City,State,Zip: | MANASSAS, VA 20110 |
| City,State,Zip: | MANASSAS, VA 20110 |
| Fips City/County: | 683/Manassas City |
| Status: | Closed |
| Reference Id: | 293715 |
| IR Number: | Not reported |
| Associated IR: | 293717, 293719 |
| Incident Date: | 02/06/2020 |
| Call Received Date: | 02/07/2020 |
| Closure Comments: | Appropriate compliance actions completed and verified by DEQ. DEQ conducted site visit HEPACO hired conduct cleanup HEPACO cleanup report received and supports closure |
| Threat To: | Not reported |

**MANASSAS REGIONAL AIRPORT (Continued)** **S125934658**

| | |
|---|---|
| Terrorism (Y/N): | Not reported |
| Characterize Incident: | Accidental |
| Incident Type: | Point Source(Water) |
| Incident Subtype: | Not reported |
| Materials: | Fire Fighting Foam |
| Effect To Receptor: | Impacted |
| Water Body: | Cannon Branch |
| Low Quantity To Water: | 1 |
| High Quantity To Water: | -1 |
| Quantity Units: | Unknown |
| Other Receptors: | 150-175 gals of concentrate discharged - unknown amount reached the stream |
| RP Company: | City of Manassas |
| RP Name: | Not reported |
| Property Owner: | Not reported |
| Property Company: | Not reported |
| Duration Of Event (Hrs): | Not reported |
| Impacts: | Not reported |
| Other Impacts: | Not reported |
| Steps Taken: | Not reported |
| Steps Taken Description: | Not reported |
| System Components: | Not reported |
| Other System Components: | Not reported |
| Cause Of Event: | Not reported |
| Corrective Action Taken: | Not reported |
| Weather Status: | No |
| Precipitation (Wet): | Not reported |
| Discharge Type: | Not reported |
| Discharge Volume: | Not reported |
| Unknown Discharge (Y/N): | Not reported |
| Site Name: | ILLICIT FIRE-FIGHTING FOAM DISCHARGE - LEIDOS HANGAR |
| Closure Date: | 03/18/2020 |
| Orig. Call Incident Description: | The City of Manassas fire dept ran an alarm last night at the airport's Leidos Hangar at this location. Upon arrival they found the suppression system had dumped and the foam was rapidly spreading out of the building an across Wakeman Drive into a creek. They contacted the Prince William County hazmat team and they responded also. I was told that Leidos was in the process of contacting a clean-up co to address the problem. They did not pass on any other information. Matt Adkins, the Hazardous Material Coordinator for the Prince William County stated that Allen Lacy from DEQ has been notified and that a company called Hepico (sp) has been contacted and they should be there around 10:00 to 10:30 to start the evaluation and clean up. He will be putting their report together and send it to the City of Manassas later. Note: photos of the incident have been posted on the City's Facebook page. |
| Original Call Material Description: | Not reported |
| Original Call Location Description: | Leidos Hangar at 10661 Frank Marshall Lane |
| Incident Ongoing at time of Call: | No |
| Agencies Notified (Y/N): | Not reported |
| Other Agencies: | Local Fire/EMS, Local Utilities, VA Department of Emergency Management (VDEM) |
| Permitted (Y/N): | No |
| Call Reported By Company Name: | Manassas FBO, LLC |
| Call Property Owner Company Name: | Not reported |
| Call Property Owner Name: | Not reported |
| Site Summary: | The City of Manassas fire dept ran an alarm last night at the |

**MANASSAS REGIONAL AIRPORT (Continued)** **S125934658**

airport's Leidos Hangar at this location. Upon arrival they found the suppression system had dumped and the foam was rapidly spreading out of the building an across Wakeman Drive into a creek. They contacted the Prince William County hazmat team and they responded also. I was told that Leidos was in the process of contacting a clean-up co to address the problem. They did not pass on any other information. Matt Adkins, the Hazardous Material Coordinator for the Prince William County stated that Allen Lacy from DEQ has been notified and that a company called Hepico (sp) has been contacted and they should be there around 10:00 to 10:30 to start the evaluation and clean up. He will be putting their report together and send it to the City of Manassas later. Note: photos of the incident have been posted on the City's Facebook page.

| | |
|---|---|
| Name: | Not reported |
| Address: | 10661 FRANK MARSHALL LN |
| City,State,Zip: | MANASSAS, VA |
| City,State,Zip: | MANASSAS, VA |
| Fips City/County: | 683/Manassas City |
| Status: | Closed |
| Reference Id: | 293719 |
| IR Number: | Not reported |
| Associated IR: | 293715 |
| Incident Date: | 02/07/2020 |
| Call Received Date: | 02/07/2020 |
| Closure Comments: | Duplicate pollution report see IR# 293715 for incident details and records |
| Threat To: | Not reported |
| Terrorism (Y/N): | Not reported |
| Characterize Incident: | Accidental |
| Incident Type: | Point Source(Water) |
| Incident Subtype: | Not reported |
| Materials: | Aqueous Film Forming Foam |
| Effect To Receptor: | Impacted |
| Water Body: | Cannon Branch |
| Low Quantity To Water: | 150 |
| High Quantity To Water: | 175 |
| Quantity Units: | Gallons |
| Other Receptors: | 150-175 gals of concentrate in system |
| RP Company: | Prince William Co HAZMAT |
| RP Name: | Not reported |
| Property Owner: | Not reported |
| Property Company: | Not reported |
| Duration Of Event (Hrs): | Not reported |
| Impacts: | Not reported |
| Other Impacts: | Not reported |
| Steps Taken: | Not reported |
| Steps Taken Description: | Not reported |
| System Components: | Not reported |
| Other System Components: | Not reported |
| Cause Of Event: | Not reported |
| Corrective Action Taken: | Not reported |
| Weather Status: | No |
| Precipitation (Wet): | Not reported |
| Discharge Type: | Not reported |
| Discharge Volume: | Not reported |
| Unknown Discharge (Y/N): | Not reported |

**MANASSAS REGIONAL AIRPORT (Continued)** **S125934658**

Site Name: ILLICIT FIRE-FIGHTING FOAM DISCHARGE - MANASSAS REGIONAL AIRPORT
Closure Date: 02/07/2020
Orig. Call Incident Description: ISAU Officer: Brandyn Wykert State Mission Number: HMVA- 40837 Hazard Class: Class 9 - Miscellaneous Mode Facility: 02 Fixed Facility Jurisdiction: Prince William Co Facility Name/Incident Location: MANASSAS REGIONAL AIRPORT Incident Address: 10661 FRANK MARSHALL LANE, MANASSAS, VA 20110 Origin: Local Jurisdiction Incident Lat/Long: 38.7295542030005 / -77.5135037149997 Callback Number: 571-606-8045 VDEM Region: 7 OIC On Scene: (old hazard area): Caller Name: CHRIS ADAMS Incident Date: 2/7/20 Contact Name: PRINCE WILLIAM COUNTY HAZMAT Incident Time: 0130 Details: 1036 - CHRIS ADAMS WITH PRINCE WILLIAM COUNTY HAZMAT TEAM (571)606-8045 REPORTED APPROXIMATELY 175 GALLONS OF HIGH EXPANSION FOAM WAS RELEASED FROM A HANGAR'S SAFETY SYSTEM DUE TO POSSIBLE USER ERROR. THE MATERIAL FILLED A 500 FT X 500 FT AREA AND WAS ABOUT 6-10 FEET TALL. SOME OF THE MATERIAL DID ENTER A NEARBY STREAM NAMED CANNON BRANCH. THE INCIDENT OCCURRED AT MANASSAS REGIONAL AIRPORT, 10661 FRANK MARSHALL LANE, MANASSAS, VA 20110 AT APPROXIMATELY 0130 HRS ON TODAY'S DATE. NO STATE ASSISTANCE HAS BEEN REQUESTED AT THIS TIME. Products Involved: HIGH EXPANSION FOAM Quantity Lost: 175 - Gallons UN #: N/A EHS: N/A Water Affected: Yes Which Water? CANNON BRANCH Fish Kill: No DEQ Notified?: Yes DEQ Office/Email: NRO DEQ On Scene: Yes Container Type: Other Other (Specify): HANGAR SAFETY SYSTEM Evacuation?: No Distance: N/A Injuries: No How Many?: N/A RHMO 1: Higginbotham Actions: Notification Only
Original Call Material Description: Not reported
Original Call Location Description: Leidos Hangar - Manassas Regional Airport
Incident Ongoing at time of Call: No
Agencies Notified (Y/N): Not reported
Other Agencies: Local Fire/EMS, Local Government, Local Utilities, VA Department of Emergency Management (VDEM)
Permitted (Y/N): No
Call Reported By Company Name: Not reported
Call Property Owner Company Name: Not reported
Call Property Owner Name: Not reported
Site Summary: CHRIS ADAMS WITH PRINCE WILLIAM COUNTY HAZMAT TEAM (571)606-8045 REPORTED APPROXIMATELY 175 GALLONS OF HIGH EXPANSION FOAM WAS RELEASED FROM A HANGAR'S SAFETY SYSTEM DUE TO POSSIBLE USER ERROR. THE MATERIAL FILLED A 500 FT X 500 FT AREA AND WAS ABOUT 6-10 FEET TALL. SOME OF THE MATERIAL DID ENTER A NEARBY STREAM NAMED CANNON BRANCH. THE INCIDENT OCCURRED AT MANASSAS REGIONAL AIRPORT, 10661 FRANK MARSHALL LANE, MANASSAS, VA 20110 AT APPROXIMATELY 0130 HRS ON TODAY'S DATE. NO STATE ASSISTANCE HAS BEEN REQUESTED AT THIS TIME.

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**D24** **FLIGHTWORKS INCORPORATED** **VA ENF** **S116163591**
**Target** **10791 JAMES PAYNE CT** **N/A**
**Property** **MANASSAS, VA 20108**

**Site 2 of 2 in cluster D**

**Actual:** **198 ft.**
**Focus Map:** **5**

ENFORCEMENT:
Name: FLIGHTWORKS INCORPORATED
Address: 10791 JAMES PAYNE CT
Address 2: Not reported
Address 3: Not reported
City,State,Zip: MANASSAS, VA 20108
Facility ID: Not reported
Facility Name: Not reported

**FLIGHTWORKS INCORPORATED (Continued)** **S116163591**

| | |
|---|---|
| Location Address: | Not reported |
| Location Address 2: | Not reported |
| Location City,St,Zip: | Not reported |
| Solid Waste Facility Region: | Not reported |
| CEDS Site Id: | Not reported |
| Site Location: | Not reported |
| Solid Permit Id (alpha Prefix): | Not reported |
| Solid Permit Id (numeric Suffix): | Not reported |
| Solid Waste Unit Type: | Not reported |
| Inspection Date: | Not reported |
| Inspection Event Code: | Not reported |
| Inspection Event Complete Date: | Not reported |
| Solid Waste Enf Effective Date: | Not reported |
| Solid Waste Enf Penalty Type: | Not reported |
| Solid Waste Enf Penalty Amount: | Not reported |
| Solid Waste Enf Type Desc: | Not reported |
| Solid Waste Unit Type: | Not reported |
| Solid Waste Unit Name: | Not reported |
| Haz. Waste Facility Region: | Not reported |
| Haz. Waste Facility Epaid: | Not reported |
| Haz. Waste Enforcement Date: | Not reported |
| Haz. Waste Enforcement Type: | Not reported |
| Haz. Waste Enforcement Agency: | Not reported |
| Haz. Waste Enf RCRIS Comments: | Not reported |
| Haz. Waste Penalty Type: | Not reported |
| Haz. Waste Enf Order Dt. Signed: | Not reported |
| Haz. Waste Enf Order Type: | Not reported |
| Haz. Waste Penalty Amount: | Not reported |
| Type Of Permit: | Not reported |
| Permit No: | VAR051526 |
| Enforcement Action Number: | NR14-0320 |
| Action: | NOTICE OF VIOLATION/NOV |
| Action Date: | 3/11/2014 |
| Civil Charges Assessed: | Not reported |
| Solid Waste Facility Description: | Not reported |
| Inspection Event Completed Dt: | Not reported |
| Inspection Event Description: | Not reported |
| Flag: | WATER |

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**E25** **JET SERVICES INC.** **RCRA-VSQG** **1004791712**
**Target** **9998 WAKEMAN DR.** **VAR000500199**
**Property** **MANASSAS, VA 20110**

**Site 1 of 5 in cluster E**

**Actual:** **189 ft.**

**Focus Map:** **5**

RCRA Listings:

| | |
|---|---|
| Date Form Received by Agency: | 20001031 |
| Handler Name: | Jet Services Inc. |
| Handler Address: | 9998 Wakeman Dr. |
| Handler City,State,Zip: | MANASSAS, VA 20110 |
| EPA ID: | VAR000500199 |
| Contact Name: | MICHAEL WEBER |
| Contact Address: | 9998 WAKEMAN DR. |
| Contact City,State,Zip: | MANASSAS, VA 20110 |
| Contact Telephone: | 703-361-7267 |
| Contact Fax: | Not reported |
| Contact Email: | Not reported |
| Contact Title: | Not reported |

**JET SERVICES INC. (Continued)** **1004791712**

| | |
|---|---|
| EPA Region: | 03 |
| Land Type: | Municipal |
| Federal Waste Generator Description: | Conditionally Exempt Small Quantity Generator |
| Non-Notifier: | Not reported |
| Biennial Report Cycle: | Not reported |
| Accessibility: | Not reported |
| Active Site Indicator: | Handler Activities |
| State District Owner: | Va |
| State District: | 4 |
| Mailing Address: | 9998 WAKEMAN DR. |
| Mailing City,State,Zip: | MANASSAS, VA 20110 |
| Owner Name: | Michael Weber |
| Owner Type: | Private |
| Operator Name: | Not reported |
| Operator Type: | Not reported |
| Short-Term Generator Activity: | No |
| Importer Activity: | No |
| Mixed Waste Generator: | No |
| Transporter Activity: | No |
| Transfer Facility Activity: | No |
| Recycler Activity with Storage: | No |
| Small Quantity On-Site Burner Exemption: | No |
| Smelting Melting and Refining Furnace Exemption: | No |
| Underground Injection Control: | No |
| Off-Site Waste Receipt: | No |
| Universal Waste Indicator: | No |
| Universal Waste Destination Facility: | No |
| Federal Universal Waste: | No |
| Active Site State-Reg Handler: | --- |
| Federal Facility Indicator: | Not reported |
| Hazardous Secondary Material Indicator: | N |
| Sub-Part K Indicator: | Not reported |
| 2018 GPRA Permit Baseline: | Not on the Baseline |
| 2018 GPRA Renewals Baseline: | Not on the Baseline |
| 202 GPRA Corrective Action Baseline: | No |
| Subject to Corrective Action Universe: | No |
| Non-TSDFs Where RCRA CA has Been Imposed Universe: | No |
| Corrective Action Priority Ranking: | No NCAPS ranking |
| Environmental Control Indicator: | No |
| Institutional Control Indicator: | No |
| Human Exposure Controls Indicator: | N/A |
| Groundwater Controls Indicator: | N/A |
| Significant Non-Complier Universe: | No |
| Unaddressed Significant Non-Complier Universe: | No |
| Addressed Significant Non-Complier Universe: | No |
| Significant Non-Complier With a Compliance Schedule Universe: | No |
| Financial Assurance Required: | Not reported |
| Handler Date of Last Change: | 20150414 |
| Recognized Trader-Importer: | No |
| Recognized Trader-Exporter: | No |
| Importer of Spent Lead Acid Batteries: | No |
| Exporter of Spent Lead Acid Batteries: | No |
| Recycler Activity Without Storage: | No |
| Manifest Broker: | No |
| Sub-Part P Indicator: | No |

**JET SERVICES INC. (Continued)** **1004791712**

Hazardous Waste Summary:
Waste Code: D001
Waste Description: Ignitable Waste

Waste Code: D018
Waste Description: Benzene

Waste Code: D039
Waste Description: Tetrachloroethylene

Waste Code: D040
Waste Description: Trichloroethylene

Handler - Owner Operator:
Owner/Operator Indicator: Owner
Owner/Operator Name: MICHAEL WEBER
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 494 OLD BRIDGE RD.
Owner/Operator City,State,Zip: AMISSVILLE, VA 20106
Owner/Operator Telephone: 540-347-9746
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20001031
Handler Name: JET SERVICES INC.
Federal Waste Generator Description: Conditionally Exempt Small Quantity Generator
State District Owner: Va
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

Has the Facility Received Notices of Violations:
Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 20030801
Actual Return to Compliance Date: 20031016
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: 20031004
Enforcement Identifier: 001
Date of Enforcement Action: 20030904
Enforcement Responsible Agency: State

**JET SERVICES INC. (Continued)** **1004791712**

| | |
|---|---|
| Enforcement Docket Number: | Not reported |
| Enforcement Attorney: | Not reported |
| Corrective Action Component: | No |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | INSPECTOR FACT FINDING LETTER - Warning letter |
| Enforcement Responsible Person: | R4TRG |
| Enforcement Responsible Sub-Organization: | NR |
| SEP Sequence Number: | Not reported |
| SEP Expenditure Amount: | Not reported |
| SEP Scheduled Completion Date: | Not reported |
| SEP Actual Date: | Not reported |
| SEP Defaulted Date: | Not reported |
| SEP Type: | Not reported |
| SEP Type Description: | Not reported |
| Proposed Amount: | Not reported |
| Final Monetary Amount: | Not reported |
| Paid Amount: | Not reported |
| Final Count: | Not reported |
| Final Amount: | Not reported |

Evaluation Action Summary:

| | |
|---|---|
| Evaluation Date: | 20030801 |
| Evaluation Responsible Agency: | State |
| Found Violation: | Yes |
| Evaluation Type Description: | COMPLIANCE EVALUATION INSPECTION |
| Evaluation Responsible Person Identifier: | R4TRG |
| Evaluation Responsible Sub-Organization: | NR |
| Actual Return to Compliance Date: | 20031016 |
| Scheduled Compliance Date: | 20031004 |
| Date of Request: | Not reported |
| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |

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**E26** **MANASSAS REGIONAL AIRPORT FUEL FARM** **VA SPILLS** **S106240724**
**Target** **9998 WAKEMAN DRIVE** **N/A**
**Property** **MANASSAS, VA**

**Site 2 of 5 in cluster E**

**Actual:** **189 ft.**

**Focus Map:** **5**

SPILLS:

| | |
|---|---|
| Name: | Not reported |
| Address: | 9998 WAKEMAN DRIVE |
| City,State,Zip: | MANASSAS, VA |
| City,State,Zip: | MANASSAS, VA |
| Fips City/County: | 683/Manassas City |
| Status: | Closed |
| Reference Id: | 257955 |
| IR Number: | 2003-N-0467 |

**MANASSAS REGIONAL AIRPORT FUEL FARM (Continued)** **S106240724**

| | |
|---|---|
| Associated IR: | Not reported |
| Incident Date: | 01/24/2003 |
| Call Received Date: | 01/24/2003 |
| Closure Comments: | See Site Comments for details |
| Threat To: | Not reported |
| Terrorism (Y/N): | NO |
| Characterize Incident: | Not reported |
| Incident Type: | Petroleum(Petroleum) |
| Incident Subtype: | Petroleum |
| Materials: | Oil (Fuel-Aviation) |
| Effect To Receptor: | Not reported |
| Water Body: | Not reported |
| Low Quantity To Water: | Not reported |
| High Quantity To Water: | Not reported |
| Quantity Units: | Not reported |
| Other Receptors: | Oil Water Separator |
| RP Company: | Richard Hill |
| RP Name: | Not reported |
| Property Owner: | Not reported |
| Property Company: | Not reported |
| Duration Of Event (Hrs): | Not reported |
| Impacts: | Not reported |
| Other Impacts: | Not reported |
| Steps Taken: | Not reported |
| Steps Taken Description: | Not reported |
| System Components: | Not reported |
| Other System Components: | Not reported |
| Cause Of Event: | Not reported |
| Corrective Action Taken: | Not reported |
| Weather Status: | No |
| Precipitation (Wet): | Not reported |
| Discharge Type: | Not reported |
| Discharge Volume: | Not reported |
| Unknown Discharge (Y/N): | NO |
| Site Name: | MANASSAS REGIONAL AIRPORT FUEL FARM |
| Closure Date: | 06/19/2006 |
| Orig. Call Incident Description: | waste jet fuel 55 gal drum failed, leaked into oil water separator at tank farm. Unsure how much was in drum, reporting a 55 gal spill (capacity of drum) did not reach outfall according to Mr. Hills Report |
| Original Call Material Description: | waste jet fuel (Qty=55) |
| Original Call Location Description: | Manassas Regional Airport Fuel Farm-9998 Wakeman Drive-Manassas-VA--Manassas City |
| Incident Ongoing at time of Call: | No |
| Agencies Notified (Y/N): | NO |
| Other Agencies: | Not reported |
| Permitted (Y/N): | No |
| Call Reported By Company Name: | Dulles Aviation |
| Call Property Owner Company Name: | Not reported |
| Call Property Owner Name: | Not reported |
| Site Summary: | Not reported |

SPILLS NO:

| | |
|---|---|
| Region: | NO |
| Id: | Not reported |
| Incident Summary: | Not reported |
| Date In: | 1/24/2003 |
| Date Closed: | 6/19/2006 |

**MANASSAS REGIONAL AIRPORT FUEL FARM (Continued)** **S106240724**

| | |
|---|---|
| Pollution Type: | Not reported |
| Responsible Party: | Dulles Aviation |
| **Facility Status:** | **Not reported** |
| Owner: | Not reported |
| Facility Contact: | Not reported |
| Facility Permitted: | 0 |
| Facility Telephone: | Not reported |
| Time In: | 2:20:00 PM |
| Reported By Name: | Richard Hill |
| Reported By Telephone: | 7032578282 |
| Reported By Affiliation/Addr: | City of Manassas FM |
| Incident Response IR #: | 2003-N-0467 |
| Responsible Party Address: | Not reported |
| Responsible Party City: | Not reported |
| Responsible Party State: | Not reported |
| Responsible Party Zip: | Not reported |
| Responsible Party Contact: | Not reported |
| Responsible Party Telephone: | Not reported |
| Owner Name: | Not reported |
| Owner Address: | Not reported |
| Owner City: | Not reported |
| Owner State: | Not reported |
| Owner Zip: | Not reported |
| Owner Contact: | Not reported |
| Owner Telephone: | Not reported |
| Incident Date: | 1/24/2003 |
| Incident Time: | 2:00:00 PM |
| Petroleum: | -1 |
| Solid Waste: | 0 |
| Hazardous Waste: | 0 |
| Water: | 0 |
| Air: | 0 |
| Sewage: | 0 |
| Fish Kill: | 0 |
| Threat Wetlands: | 0 |
| Wetlands: | 0 |
| Material Released: | waste jet fuel |
| Possible Receptors: | oil water separator |
| Quantity Released: | 55 |
| Unit Released: | gallons |
| Quantity In Water: | 0 |
| Receiving Waters: | Not reported |
| River Basin: | Not reported |
| Inspection Date: | Not reported |
| Call Date: | Not reported |
| Inspector: | PZG |
| Response Due: | Not reported |
| Response Received Date: | Not reported |
| Visit Needed: | 0 |
| Open: | 0 |
| Air Referral Date: | Not reported |
| Air Reg/ Permit Number: | Not reported |
| Waste Referral Date: | Not reported |
| Epa Id Or Permit Number: | Not reported |
| Water Referral Date: | Not reported |
| Water Permit Number: | Not reported |
| Remediation Referral Date: | Not reported |

**MANASSAS REGIONAL AIRPORT FUEL FARM (Continued)** **S106240724**

| | |
|---|---|
| Remediation Pc Number: | Not reported |
| Enforcement Referral Date: | Not reported |
| Nov Number: | Not reported |
| Pc Number: | Not reported |
| Receive By: | Not reported |
| Case Officer: | Not reported |
| Case Type: | Not reported |
| Street Address: | Not reported |
| Polllutant: | Not reported |
| Impact: | Not reported |
| Spill Time: | Not reported |
| Spill Date: | Not reported |
| Spill Volume: | Not reported |
| Measure: | Not reported |
| Volume In Water: | Not reported |
| Stream Name: | Not reported |
| Investigation Date: | Not reported |
| Closure Date: | Not reported |
| Lab Results: | Not reported |
| Target Date: | Not reported |
| Prep Number: | Not reported |
| Report Date: | Not reported |
| Report Time: | Not reported |
| Pollutant Scr: | Not reported |
| Volume: | Not reported |
| Volume Esc: | Not reported |
| Future Recommendations: | Not reported |
| Stream Code: | Not reported |
| Visit Date: | Not reported |
| Lab Date: | Not reported |
| File Close Date: | Not reported |
| Prep Copy: | Not reported |
| City: | Not reported |
| Incident Summary: | waste jet fuel 55 gal drum failed, leaked into oil water separator at tank farm. Unsure how much was in drum, reporting a 55 gal spill (capacity of drum) did not reach outfall according to Mr. Hills Report |
| Reported: | Not reported |
| Results: | Not reported |
| Inspection Comments: | Not reported |
| Remarks: | Not reported |

SPILLS:

| | |
|---|---|
| Name: | Not reported |
| Address: | 9998 WAKEMAN DRIVE |
| City,State,Zip: | MANASSAS, VA |
| City,State,Zip: | MANASSAS, VA |
| Fips City/County: | 683/Manassas City |
| Status: | Closed |
| Reference Id: | 257955 |
| IR Number: | 2003-N-0467 |
| Associated IR: | Not reported |
| Incident Date: | 01/24/2003 |
| Call Received Date: | 01/24/2003 |
| Closure Comments: | See Site Comments for details |
| Threat To: | Not reported |
| Terrorism (Y/N): | NO |
| Characterize Incident: | Not reported |

**MANASSAS REGIONAL AIRPORT FUEL FARM (Continued)** **S106240724**

| | |
|---|---|
| Incident Type: | Petroleum(Petroleum) |
| Incident Subtype: | Petroleum |
| Materials: | Oil (Fuel-Aviation) |
| Effect To Receptor: | Not reported |
| Water Body: | Not reported |
| Low Quantity To Water: | Not reported |
| High Quantity To Water: | Not reported |
| Quantity Units: | Not reported |
| Other Receptors: | Oil Water Separator |
| RP Company: | Richard Hill |
| RP Name: | Not reported |
| Property Owner: | Not reported |
| Property Company: | Not reported |
| Duration Of Event (Hrs): | Not reported |
| Impacts: | Not reported |
| Other Impacts: | Not reported |
| Steps Taken: | Not reported |
| Steps Taken Description: | Not reported |
| System Components: | Not reported |
| Other System Components: | Not reported |
| Cause Of Event: | Not reported |
| Corrective Action Taken: | Not reported |
| Weather Status: | No |
| Precipitation (Wet): | Not reported |
| Discharge Type: | Not reported |
| Discharge Volume: | Not reported |
| Unknown Discharge (Y/N): | NO |
| Site Name: | MANASSAS REGIONAL AIRPORT FUEL FARM |
| Closure Date: | 06/19/2006 |
| Orig. Call Incident Description: | waste jet fuel 55 gal drum failed, leaked into oil water separator at tank farm. Unsure how much was in drum, reporting a 55 gal spill (capacity of drum) did not reach outfall according to Mr. Hills Report |
| Original Call Material Description: | waste jet fuel (Qty=55) |
| Original Call Location Description: | Manassas Regional Airport Fuel Farm-9998 Wakeman Drive-Manassas-VA--Manassas City |
| Incident Ongoing at time of Call: | No |
| Agencies Notified (Y/N): | NO |
| Other Agencies: | Not reported |
| Permitted (Y/N): | No |
| Call Reported By Company Name: | Dulles Aviation |
| Call Property Owner Company Name: | Not reported |
| Call Property Owner Name: | Not reported |
| Site Summary: | Not reported |

SPILLS NO:

| | |
|---|---|
| Region: | NO |
| Id: | Not reported |
| Incident Summary: | Not reported |
| Date In: | 1/24/2003 |
| Date Closed: | 6/19/2006 |
| Pollution Type: | Not reported |
| Responsible Party: | Dulles Aviation |
| **Facility Status:** | **Not reported** |
| Owner: | Not reported |
| Facility Contact: | Not reported |
| Facility Permitted: | 0 |
| Facility Telephone: | Not reported |

**MANASSAS REGIONAL AIRPORT FUEL FARM (Continued)** **S106240724**

| | |
|---|---|
| Time In: | 2:20:00 PM |
| Reported By Name: | Richard Hill |
| Reported By Telephone: | 7032578282 |
| Reported By Affiliation/Addr: | City of Manassas FM |
| Incident Response IR #: | 2003-N-0467 |
| Responsible Party Address: | Not reported |
| Responsible Party City: | Not reported |
| Responsible Party State: | Not reported |
| Responsible Party Zip: | Not reported |
| Responsible Party Contact: | Not reported |
| Responsible Party Telephone: | Not reported |
| Owner Name: | Not reported |
| Owner Address: | Not reported |
| Owner City: | Not reported |
| Owner State: | Not reported |
| Owner Zip: | Not reported |
| Owner Contact: | Not reported |
| Owner Telephone: | Not reported |
| Incident Date: | 1/24/2003 |
| Incident Time: | 2:00:00 PM |
| Petroleum: | -1 |
| Solid Waste: | 0 |
| Hazardous Waste: | 0 |
| Water: | 0 |
| Air: | 0 |
| Sewage: | 0 |
| Fish Kill: | 0 |
| Threat Wetlands: | 0 |
| Wetlands: | 0 |
| Material Released: | waste jet fuel |
| Possible Receptors: | oil water separator |
| Quantity Released: | 55 |
| Unit Released: | gallons |
| Quantity In Water: | 0 |
| Receiving Waters: | Not reported |
| River Basin: | Not reported |
| Inspection Date: | Not reported |
| Call Date: | Not reported |
| Inspector: | PZG |
| Response Due: | Not reported |
| Response Received Date: | Not reported |
| Visit Needed: | 0 |
| Open: | 0 |
| Air Referral Date: | Not reported |
| Air Reg/ Permit Number: | Not reported |
| Waste Referral Date: | Not reported |
| Epa Id Or Permit Number: | Not reported |
| Water Referral Date: | Not reported |
| Water Permit Number: | Not reported |
| Remediation Referral Date: | Not reported |
| Remediation Pc Number: | Not reported |
| Enforcement Referral Date: | Not reported |
| Nov Number: | Not reported |
| Pc Number: | Not reported |
| Receive By: | Not reported |
| Case Officer: | Not reported |
| Case Type: | Not reported |

**MANASSAS REGIONAL AIRPORT FUEL FARM (Continued)** **S106240724**

| | |
|---|---|
| Street Address: | Not reported |
| Polllutant: | Not reported |
| Impact: | Not reported |
| Spill Time: | Not reported |
| Spill Date: | Not reported |
| Spill Volume: | Not reported |
| Measure: | Not reported |
| Volume In Water: | Not reported |
| Stream Name: | Not reported |
| Investigation Date: | Not reported |
| Closure Date: | Not reported |
| Lab Results: | Not reported |
| Target Date: | Not reported |
| Prep Number: | Not reported |
| Report Date: | Not reported |
| Report Time: | Not reported |
| Pollutant Scr: | Not reported |
| Volume: | Not reported |
| Volume Esc: | Not reported |
| Future Recommendations: | Not reported |
| Stream Code: | Not reported |
| Visit Date: | Not reported |
| Lab Date: | Not reported |
| File Close Date: | Not reported |
| Prep Copy: | Not reported |
| City: | Not reported |
| Incident Summary: | waste jet fuel 55 gal drum failed, leaked into oil water separator at tank farm. Unsure how much was in drum, reporting a 55 gal spill (capacity of drum) did not reach outfall according to Mr. Hills Report |
| Reported: | Not reported |
| Results: | Not reported |
| Inspection Comments: | Not reported |
| Remarks: | Not reported |

---

**E27** **NORTHERN VIRGINIA HELICOPTERS, INC** **FINDS** **1024404729**
**Target** **9998 WAKEMAN DRIVE** **N/A**
**Property** **MANASSAS, VA 20110**

**Site 3 of 5 in cluster E**

**Actual:** **189 ft.**

FINDS:
Registry ID: 110070319886

**Focus Map:** **5**

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
The Department of Labor, Occupational Safety and Health Administration information system consists of inspection case detail for approximately 100,000 OSHA inspections conducted annually. The FRS dataset includes facilities that had inspections within the last 7 years within the mining, oil and gas, utilities, and manufacturing sectors.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

**E28** **JET SERVICES INC.** **FINDS** **1007214302**
**Target** **9998 WAKEMAN DR.** **ECHO** **N/A**
**Property** **MANASSAS, VA 20110**

**Site 4 of 5 in cluster E**

**Actual:** **189 ft.**

**Focus Map:** **5**

FINDS:
Registry ID: 110016710576

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
The Resource Conservation and Recovery Act Information System (RCRAInfo) is EPA's comprehensive information system in support of the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. It tracks many types of information about generators, transporters, treaters, storers, and disposers of hazardous waste.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

| | |
|---|---|
| Envid: | 1007214302 |
| Registry ID: | 110016710576 |
| DFR URL: | http://echo.epa.gov/detailed-facility-report?fid=110016710576 |
| Name: | JET SERVICES INC. |
| Address: | 9998 WAKEMAN DR. |
| City,State,Zip: | MANASSAS, VA 20110 |

---

**E29** **APP JET CENTER** **VA SPILLS** **S109941947**
**Target** **9998 WAKEMAN DR.** **VA TIER 2** **N/A**
**Property** **MANASSAS, VA 20110**

**Site 5 of 5 in cluster E**

**Actual:** **189 ft.**

**Focus Map:** **5**

SPILLS:

| | |
|---|---|
| Name: | MANASSAS REGIONAL AIRPORT |
| Address: | 9998 WAKEMAN DRIVE |
| City,State,Zip: | MANASSAS, VA 20110 |
| City,State,Zip: | MANASSAS, VA 20110 |
| Fips City/County: | 683/Manassas City |
| Status: | Closed |
| Reference Id: | 305581 |
| IR Number: | Not reported |
| Associated IR: | Not reported |
| Incident Date: | 07/09/2022 |
| Call Received Date: | 07/11/2022 |
| Closure Comments: | Appropriate compliance actions completed and verified by DEQ. Small spill to tarmac only Airport response staff contained spill and completed cleanup No surface water/soil impacts |
| Threat To: | Not reported |
| Terrorism (Y/N): | Not reported |
| Characterize Incident: | Accidental |
| Incident Type: | Surface Spill(Petroleum) |
| Incident Subtype: | Not reported |
| Materials: | Jet-A Fuel |
| Effect To Receptor: | Not reported |
| Water Body: | Not reported |
| Low Quantity To Water: | Not reported |
| High Quantity To Water: | Not reported |

**APP JET CENTER (Continued)** **S109941947**

| | |
|---|---|
| Quantity Units: | Not reported |
| Other Receptors: | Not reported |
| RP Company: | Manassas FBO Services LLC |
| RP Name: | C Quinn Redden |
| Property Owner: | Not reported |
| Property Company: | Not reported |
| Duration Of Event (Hrs): | Not reported |
| Impacts: | Not reported |
| Other Impacts: | Not reported |
| Steps Taken: | Not reported |
| Steps Taken Description: | Not reported |
| System Components: | Not reported |
| Other System Components: | Not reported |
| Cause Of Event: | Not reported |
| Corrective Action Taken: | Not reported |
| Weather Status: | No |
| Precipitation (Wet): | Not reported |
| Discharge Type: | Not reported |
| Discharge Volume: | Not reported |
| Unknown Discharge (Y/N): | Not reported |
| Site Name: | JET FUEL SPILL - MANASSAS REGIONAL AIRPORT |
| Closure Date: | 07/17/2022 |
| Orig. Call Incident Description: | Jet A fuel Spill of 22 Gallons |
| Original Call Material Description: | Not reported |
| Original Call Location Description: | Manassas Regional Airport |
| Incident Ongoing at time of Call: | No |
| Agencies Notified (Y/N): | Not reported |
| Other Agencies: | Local Fire/EMS |
| Permitted (Y/N): | Yes |
| Call Reported By Company Name: | Manassas FBO Services LLC |
| Call Property Owner Company Name: | Not reported |
| Call Property Owner Name: | Not reported |
| Site Summary: | Jet A fuel Spill of 22 Gallons |

TIER 2:

| | |
|---|---|
| Name: | VOLO HOLDINGS MANASSAS, LLC |
| Address: | 9998 WAKEMAN DR |
| City,State,Zip: | MANASSAS, VA 20110 |
| Facility ID: | Not reported |
| CAS Number: | 64741-66-8 |
| SIC Code: | 4581 |
| NAICS: | Not reported |
| Entered Chemical Name: | AVGAS 100LL |
| Average Amt Code: | 4 |
| Owner Name: | HENRY PAULINO |
| Owner Phone: | 703-392-5387 |
| Contact Type: | Not reported |
| Contact Information: | Not reported |
| Filing Year: | Not reported |

| | |
|---|---|
| Name: | APP JET CENTER |
| Address: | 9998 WAKEMAN DR. |
| City,State,Zip: | MANASSAS, VA 20110 |
| Facility ID: | 6546567 |
| CAS Number: | 8008206 |
| SIC Code: | Not reported |
| NAICS: | Not reported |

**APP JET CENTER (Continued)** **S109941947**

Entered Chemical Name: JET FUEL: JP-1
Average Amt Code: 134,000
Owner Name: Not reported
Owner Phone: Not reported
Contact Type: Not reported
Contact Information: Not reported
Filing Year: Not reported

Name: APP JET CENTER
Address: 9998 WAKEMAN DR.
City,State,Zip: MANASSAS, VA 20110
Facility ID: 6546567
CAS Number: Not reported
SIC Code: Not reported
NAICS: Not reported
Entered Chemical Name: GASOLINES: AVIATION (< 4.86G LEAD/GAL)
Average Amt Code: 60,000
Owner Name: Not reported
Owner Phone: Not reported
Contact Type: Not reported
Contact Information: Not reported
Filing Year: Not reported

Name: APP JET CENTER
Address: 9998 WAKEMAN DR
City,State,Zip: MANASSAS, VA 20110
Facility ID: Not reported
CAS Number: 64741668
SIC Code: Not reported
NAICS: Not reported
Entered Chemical Name: Avgas 100LL
Average Amt Code: 60000.0
Owner Name: Not reported
Owner Phone: Not reported
Contact Type: Not reported
Contact Information: Not reported
Filing Year: Not reported

Name: APP JET CENTER
Address: 9998 WAKEMAN DR
City,State,Zip: MANASSAS, VA 20110
Facility ID: Not reported
CAS Number: 8008206
SIC Code: Not reported
NAICS: Not reported
Entered Chemical Name: JET A
Average Amt Code: 70000.0
Owner Name: Not reported
Owner Phone: Not reported
Contact Type: Not reported
Contact Information: Not reported
Filing Year: Not reported

Name: VOLO HOLDINGS MANASSAS, LLC
Address: 9998 WAKEMAN DR
City,State,Zip: MANASSAS, VA 20110
Facility ID: Not reported

**APP JET CENTER (Continued)** **S109941947**

| | |
|---|---|
| CAS Number: | 8008-20-6 |
| SIC Code: | 488119 |
| NAICS: | Not reported |
| Entered Chemical Name: | Jet A |
| Average Amt Code: | 5 |
| Owner Name: | Henry Paulino |
| Owner Phone: | 703-392-5387 |
| Contact Type: | Not reported |
| Contact Information: | Not reported |
| Filing Year: | Not reported |

| | |
|---|---|
| Name: | VOLO HOLDINGS MANASSAS, LLC |
| Address: | 9998 WAKEMAN DR |
| City,State,Zip: | MANASSAS, VA 20110 |
| Facility ID: | Not reported |
| CAS Number: | 64741-66-8 |
| SIC Code: | 488119 |
| NAICS: | Not reported |
| Entered Chemical Name: | Avgas 100LL |
| Average Amt Code: | 4 |
| Owner Name: | Henry Paulino |
| Owner Phone: | 703-392-5387 |
| Contact Type: | Not reported |
| Contact Information: | Not reported |
| Filing Year: | Not reported |

| | |
|---|---|
| Name: | APP JET CENTER |
| Address: | 9998 WAKEMAN DR. |
| City,State,Zip: | MANASSAS, VA 20110 |
| Facility ID: | 6342011 |
| CAS Number: | Not reported |
| SIC Code: | Not reported |
| NAICS: | Not reported |
| Entered Chemical Name: | GASOLINES: AVIATION (< 4.86G LEAD/GAL) |
| Average Amt Code: | 60000 |
| Owner Name: | Not reported |
| Owner Phone: | Not reported |
| Contact Type: | Not reported |
| Contact Information: | Not reported |
| Filing Year: | Not reported |

| | |
|---|---|
| Name: | APP JET CENTER |
| Address: | 9998 WAKEMAN DR. |
| City,State,Zip: | MANASSAS, VA 20110 |
| Facility ID: | 6342011 |
| CAS Number: | 8008206 |
| SIC Code: | Not reported |
| NAICS: | Not reported |
| Entered Chemical Name: | JET FUEL: JP-1 |
| Average Amt Code: | 134000 |
| Owner Name: | Not reported |
| Owner Phone: | Not reported |
| Contact Type: | Not reported |
| Contact Information: | Not reported |
| Filing Year: | Not reported |

| | |
|---|---|
| Name: | VOLO HOLDINGS MANASSAS, LLC |

**APP JET CENTER (Continued)** **S109941947**

| | |
|---|---|
| Address: | 9998 WAKEMAN DR |
| City,State,Zip: | MANASSAS, VA 20110 |
| Facility ID: | Not reported |
| CAS Number: | 8008-20-6 |
| SIC Code: | 4581 |
| NAICS: | Not reported |
| Entered Chemical Name: | JET A |
| Average Amt Code: | 5 |
| Owner Name: | HENRY PAULINO |
| Owner Phone: | 703-392-5387 |
| Contact Type: | Not reported |
| Contact Information: | Not reported |
| Filing Year: | Not reported |

| | |
|---|---|
| Name: | VOLO HOLDINGS MANASSAS, LLC |
| Address: | 9998 WAKEMAN DR |
| City,State,Zip: | MANASSAS, VA 20110 |
| Facility ID: | Not reported |
| CAS Number: | 8008-20-6 |
| SIC Code: | 4581 |
| NAICS: | Not reported |
| Entered Chemical Name: | Jet A |
| Average Amt Code: | 5 |
| Owner Name: | Henry Paulino |
| Owner Phone: | 703-392-5387 |
| Contact Type: | Not reported |
| Contact Information: | Not reported |
| Filing Year: | Not reported |

| | |
|---|---|
| Name: | VOLO HOLDINGS MANASSAS, LLC |
| Address: | 9998 WAKEMAN DR |
| City,State,Zip: | MANASSAS, VA 20110 |
| Facility ID: | Not reported |
| CAS Number: | 64741-66-8 |
| SIC Code: | 4581 |
| NAICS: | Not reported |
| Entered Chemical Name: | Avgas 100LL |
| Average Amt Code: | 4 |
| Owner Name: | Henry Paulino |
| Owner Phone: | 703-392-5387 |
| Contact Type: | Not reported |
| Contact Information: | Not reported |
| Filing Year: | Not reported |

| | |
|---|---|
| Name: | APP JET CENTER |
| Address: | 9998 WAKEMAN DR |
| City,State,Zip: | MANASSAS, VA 20110 |
| Facility ID: | Not reported |
| CAS Number: | 64741-66-8 |
| SIC Code: | Not reported |
| NAICS: | 48121 |
| Entered Chemical Name: | AVGAS 100LL |
| Average Amt Code: | 4 |
| Owner Name: | QUINN REDDEN |
| Owner Phone: | Not reported |
| Contact Type: | NAICS |
| Contact Information: | Not reported |

**APP JET CENTER (Continued)** **S109941947**

| | |
|---|---|
| Filing Year: | Not reported |
| Name: | APP JET CENTER |
| Address: | 9998 WAKEMAN DR |
| City,State,Zip: | MANASSAS, VA 20110 |
| Facility ID: | Not reported |
| CAS Number: | 8008-20-6 |
| SIC Code: | Not reported |
| NAICS: | 48121 |
| Entered Chemical Name: | JET A |
| Average Amt Code: | 5 |
| Owner Name: | QUINN REDDEN |
| Owner Phone: | Not reported |
| Contact Type: | NAICS |
| Contact Information: | Not reported |
| Filing Year: | Not reported |

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**F30** **MANASSAS TANK FARM** **VA SPILLS** **S106240678**
**Target** **MANASSAS AIRPORT** **N/A**
**Property** **MANASSAS, VA**

**Site 1 of 6 in cluster F**

**Actual:** **188 ft.**
**Focus Map:** **5**

SPILLS:

| | |
|---|---|
| Name: | Not reported |
| Address: | MANASSAS AIRPORT |
| City,State,Zip: | MANASSAS, VA |
| City,State,Zip: | MANASSAS, VA |
| Fips City/County: | 683/Manassas City |
| Status: | Closed |
| Reference Id: | 255831 |
| IR Number: | 2003-N-0377 |
| Associated IR: | Not reported |
| Incident Date: | Not reported |
| Call Received Date: | 12/20/2002 |
| Closure Comments: | See Site Comments for details |
| Threat To: | Not reported |
| Terrorism (Y/N): | NO |
| Characterize Incident: | Not reported |
| Incident Type: | Petroleum(Petroleum) |
| Incident Subtype: | Petroleum |
| Materials: | Oil (Fuel-Aviation) |
| Effect To Receptor: | Not reported |
| Water Body: | Not reported |
| Low Quantity To Water: | Not reported |
| High Quantity To Water: | Not reported |
| Quantity Units: | Not reported |
| Other Receptors: | Storm Drain, Creek |
| RP Company: | Richard Hill |
| RP Name: | Not reported |
| Property Owner: | Not reported |
| Property Company: | Not reported |
| Duration Of Event (Hrs): | Not reported |
| Impacts: | Not reported |
| Other Impacts: | Not reported |
| Steps Taken: | Not reported |
| Steps Taken Description: | Not reported |
| System Components: | Not reported |

**MANASSAS TANK FARM (Continued)** **S106240678**

| | |
|---|---|
| Other System Components: | Not reported |
| Cause Of Event: | Not reported |
| Corrective Action Taken: | Not reported |
| Weather Status: | No |
| Precipitation (Wet): | Not reported |
| Discharge Type: | Not reported |
| Discharge Volume: | Not reported |
| Unknown Discharge (Y/N): | NO |
| Site Name: | MANASSAS TANK FARM |
| Closure Date: | 01/27/2003 |
| Orig. Call Incident Description: | Fuel spill from dispenser hose to fueling fuel wagons. Spill is what residual was in hose. Entered storm drain and got into the creek (during rain event). Planning on holding a training session and having spill kit at tank farm. The city's airport guy discovered it, not reported by the airport |
| Original Call Material Description: | Jet A Fuel (Qty=1) |
| Original Call Location Description: | Manassas Tank Farm-Manassas Airport-Manassas-VA--Manassas City |
| Incident Ongoing at time of Call: | No |
| Agencies Notified (Y/N): | NO |
| Other Agencies: | Not reported |
| Permitted (Y/N): | No |
| Call Reported By Company Name: | Not reported |
| Call Property Owner Company Name: | Not reported |
| Call Property Owner Name: | Not reported |
| Site Summary: | Not reported |

SPILLS NO:

| | |
|---|---|
| Region: | NO |
| Id: | Not reported |
| Incident Summary: | Not reported |
| Date In: | 12/20/2002 |
| Date Closed: | 1/27/2003 |
| Pollution Type: | Not reported |
| Responsible Party: | Not reported |
| **Facility Status:** | **Not reported** |
| Owner: | Not reported |
| Facility Contact: | Not reported |
| Facility Permitted: | 0 |
| Facility Telephone: | Not reported |
| Time In: | 10:51:00 AM |
| Reported By Name: | Richard Hill |
| Reported By Telephone: | Not reported |
| Reported By Affiliation/Addr: | City of Manassas |
| Incident Response IR #: | 2003-N-0377 |
| Responsible Party Address: | Not reported |
| Responsible Party City: | Not reported |
| Responsible Party State: | Not reported |
| Responsible Party Zip: | Not reported |
| Responsible Party Contact: | Not reported |
| Responsible Party Telephone: | Not reported |
| Owner Name: | Not reported |
| Owner Address: | Not reported |
| Owner City: | Not reported |
| Owner State: | Not reported |
| Owner Zip: | Not reported |
| Owner Contact: | Not reported |
| Owner Telephone: | Not reported |

**MANASSAS TANK FARM (Continued)** **S106240678**

| | |
|---|---|
| Incident Date: | Not reported |
| Incident Time: | Not reported |
| Petroleum: | -1 |
| Solid Waste: | 0 |
| Hazardous Waste: | 0 |
| Water: | 0 |
| Air: | 0 |
| Sewage: | 0 |
| Fish Kill: | 0 |
| Threat Wetlands: | 0 |
| Wetlands: | 0 |
| Material Released: | Jet A Fuel |
| Possible Receptors: | Storm Drain, Creek |
| Quantity Released: | 1 |
| Unit Released: | gallons |
| Quantity In Water: | 0 |
| Receiving Waters: | Not reported |
| River Basin: | Not reported |
| Inspection Date: | Not reported |
| Call Date: | Not reported |
| Inspector: | PZG |
| Response Due: | Not reported |
| Response Received Date: | 12/27/2002 |
| Visit Needed: | 0 |
| Open: | 0 |
| Air Referral Date: | Not reported |
| Air Reg/ Permit Number: | Not reported |
| Waste Referral Date: | Not reported |
| Epa Id Or Permit Number: | Not reported |
| Water Referral Date: | Not reported |
| Water Permit Number: | Not reported |
| Remediation Referral Date: | Not reported |
| Remediation Pc Number: | Not reported |
| Enforcement Referral Date: | Not reported |
| Nov Number: | Not reported |
| Pc Number: | Not reported |
| Receive By: | Not reported |
| Case Officer: | Not reported |
| Case Type: | Not reported |
| Street Address: | Not reported |
| Polllutant: | Not reported |
| Impact: | Not reported |
| Spill Time: | Not reported |
| Spill Date: | Not reported |
| Spill Volume: | Not reported |
| Measure: | Not reported |
| Volume In Water: | Not reported |
| Stream Name: | Not reported |
| Investigation Date: | Not reported |
| Closure Date: | Not reported |
| Lab Results: | Not reported |
| Target Date: | Not reported |
| Prep Number: | Not reported |
| Report Date: | Not reported |
| Report Time: | Not reported |
| Pollutant Scr: | Not reported |
| Volume: | Not reported |

**MANASSAS TANK FARM (Continued)** **S106240678**

| | |
|---|---|
| Volume Esc: | Not reported |
| Future Recommendations: | Not reported |
| Stream Code: | Not reported |
| Visit Date: | Not reported |
| Lab Date: | Not reported |
| File Close Date: | Not reported |
| Prep Copy: | Not reported |
| City: | Not reported |
| Incident Summary: | Fuel spill from dispenser hose to fueling fuel wagons. Spill is what residual was in hose. Entered storm drain and got into the creek (during rain event). Planning on holding a training session and having spill kit at tank farm. The city's airport guy discovered it, not reported by the airport |
| Reported: | Not reported |
| Results: | Not reported |
| Inspection Comments: | Not reported |
| Remarks: | Not reported |

SPILLS:

| | |
|---|---|
| Name: | Not reported |
| Address: | MANASSAS AIRPORT |
| City,State,Zip: | MANASSAS, VA |
| City,State,Zip: | MANASSAS, VA |
| Fips City/County: | 683/Manassas City |
| Status: | Closed |
| Reference Id: | 255831 |
| IR Number: | 2003-N-0377 |
| Associated IR: | Not reported |
| Incident Date: | Not reported |
| Call Received Date: | 12/20/2002 |
| Closure Comments: | See Site Comments for details |
| Threat To: | Not reported |
| Terrorism (Y/N): | NO |
| Characterize Incident: | Not reported |
| Incident Type: | Petroleum(Petroleum) |
| Incident Subtype: | Petroleum |
| Materials: | Oil (Fuel-Aviation) |
| Effect To Receptor: | Not reported |
| Water Body: | Not reported |
| Low Quantity To Water: | Not reported |
| High Quantity To Water: | Not reported |
| Quantity Units: | Not reported |
| Other Receptors: | Storm Drain, Creek |
| RP Company: | Richard Hill |
| RP Name: | Not reported |
| Property Owner: | Not reported |
| Property Company: | Not reported |
| Duration Of Event (Hrs): | Not reported |
| Impacts: | Not reported |
| Other Impacts: | Not reported |
| Steps Taken: | Not reported |
| Steps Taken Description: | Not reported |
| System Components: | Not reported |
| Other System Components: | Not reported |
| Cause Of Event: | Not reported |
| Corrective Action Taken: | Not reported |
| Weather Status: | No |

**MANASSAS TANK FARM (Continued)** **S106240678**

| | |
|---|---|
| Precipitation (Wet): | Not reported |
| Discharge Type: | Not reported |
| Discharge Volume: | Not reported |
| Unknown Discharge (Y/N): | NO |
| Site Name: | MANASSAS TANK FARM |
| Closure Date: | 01/27/2003 |
| Orig. Call Incident Description: | Fuel spill from dispenser hose to fueling fuel wagons. Spill is what residual was in hose. Entered storm drain and got into the creek (during rain event). Planning on holding a training session and having spill kit at tank farm. The city's airport guy discovered it, not reported by the airport |
| Original Call Material Description: | Jet A Fuel (Qty=1) |
| Original Call Location Description: | Manassas Tank Farm-Manassas Airport-Manassas-VA--Manassas City |
| Incident Ongoing at time of Call: | No |
| Agencies Notified (Y/N): | NO |
| Other Agencies: | Not reported |
| Permitted (Y/N): | No |
| Call Reported By Company Name: | Not reported |
| Call Property Owner Company Name: | Not reported |
| Call Property Owner Name: | Not reported |
| Site Summary: | Not reported |

SPILLS NO:

| | |
|---|---|
| Region: | NO |
| Id: | Not reported |
| Incident Summary: | Not reported |
| Date In: | 12/20/2002 |
| Date Closed: | 1/27/2003 |
| Pollution Type: | Not reported |
| Responsible Party: | Not reported |
| **Facility Status:** | **Not reported** |
| Owner: | Not reported |
| Facility Contact: | Not reported |
| Facility Permitted: | 0 |
| Facility Telephone: | Not reported |
| Time In: | 10:51:00 AM |
| Reported By Name: | Richard Hill |
| Reported By Telephone: | Not reported |
| Reported By Affiliation/Addr: | City of Manassas |
| Incident Response IR #: | 2003-N-0377 |
| Responsible Party Address: | Not reported |
| Responsible Party City: | Not reported |
| Responsible Party State: | Not reported |
| Responsible Party Zip: | Not reported |
| Responsible Party Contact: | Not reported |
| Responsible Party Telephone: | Not reported |
| Owner Name: | Not reported |
| Owner Address: | Not reported |
| Owner City: | Not reported |
| Owner State: | Not reported |
| Owner Zip: | Not reported |
| Owner Contact: | Not reported |
| Owner Telephone: | Not reported |
| Incident Date: | Not reported |
| Incident Time: | Not reported |
| Petroleum: | -1 |
| Solid Waste: | 0 |

**MANASSAS TANK FARM (Continued)** **S106240678**

| | |
|---|---|
| Hazardous Waste: | 0 |
| Water: | 0 |
| Air: | 0 |
| Sewage: | 0 |
| Fish Kill: | 0 |
| Threat Wetlands: | 0 |
| Wetlands: | 0 |
| Material Released: | Jet A Fuel |
| Possible Receptors: | Storm Drain, Creek |
| Quantity Released: | 1 |
| Unit Released: | gallons |
| Quantity In Water: | 0 |
| Receiving Waters: | Not reported |
| River Basin: | Not reported |
| Inspection Date: | Not reported |
| Call Date: | Not reported |
| Inspector: | PZG |
| Response Due: | Not reported |
| Response Received Date: | 12/27/2002 |
| Visit Needed: | 0 |
| Open: | 0 |
| Air Referral Date: | Not reported |
| Air Reg/ Permit Number: | Not reported |
| Waste Referral Date: | Not reported |
| Epa Id Or Permit Number: | Not reported |
| Water Referral Date: | Not reported |
| Water Permit Number: | Not reported |
| Remediation Referral Date: | Not reported |
| Remediation Pc Number: | Not reported |
| Enforcement Referral Date: | Not reported |
| Nov Number: | Not reported |
| Pc Number: | Not reported |
| Receive By: | Not reported |
| Case Officer: | Not reported |
| Case Type: | Not reported |
| Street Address: | Not reported |
| Polllutant: | Not reported |
| Impact: | Not reported |
| Spill Time: | Not reported |
| Spill Date: | Not reported |
| Spill Volume: | Not reported |
| Measure: | Not reported |
| Volume In Water: | Not reported |
| Stream Name: | Not reported |
| Investigation Date: | Not reported |
| Closure Date: | Not reported |
| Lab Results: | Not reported |
| Target Date: | Not reported |
| Prep Number: | Not reported |
| Report Date: | Not reported |
| Report Time: | Not reported |
| Pollutant Scr: | Not reported |
| Volume: | Not reported |
| Volume Esc: | Not reported |
| Future Recommendations: | Not reported |
| Stream Code: | Not reported |
| Visit Date: | Not reported |

**MANASSAS TANK FARM (Continued)** **S106240678**

| | |
|---|---|
| Lab Date: | Not reported |
| File Close Date: | Not reported |
| Prep Copy: | Not reported |
| City: | Not reported |
| Incident Summary: | Fuel spill from dispenser hose to fueling fuel wagons. Spill is what residual was in hose. Entered storm drain and got into the creek (during rain event). Planning on holding a training session and having spill kit at tank farm. The city's airport guy discovered it, not reported by the airport |
| Reported: | Not reported |
| Results: | Not reported |
| Inspection Comments: | Not reported |
| Remarks: | Not reported |

---

**F31** **MANASSAS REST AREA I-66 EAST** **VA SPILLS** **S106240039**
**Target** **MILE MARKER 234** **N/A**
**Property** **MANASSAS, VA**

**Site 2 of 6 in cluster F**

**Actual:** **188 ft.**
**Focus Map:** **5**

SPILLS:

| | |
|---|---|
| Name: | Not reported |
| Address: | MM 234 |
| City,State,Zip: | MANASSAS, VA |
| City,State,Zip: | MANASSAS, VA |
| Fips City/County: | 153/Prince William County |
| Status: | Closed |
| Reference Id: | 254954 |
| IR Number: | 2000-N-0693 |
| Associated IR: | Not reported |
| Incident Date: | 04/29/2000 |
| Call Received Date: | 04/29/2000 |
| Closure Comments: | See Site Comments for details |
| Threat To: | Not reported |
| Terrorism (Y/N): | NO |
| Characterize Incident: | Not reported |
| Incident Type: | Petroleum(Petroleum) |
| Incident Subtype: | Petroleum |
| Materials: | Oil (Fuel-Diesel) |
| Effect To Receptor: | Not reported |
| Water Body: | Not reported |
| Low Quantity To Water: | Not reported |
| High Quantity To Water: | Not reported |
| Quantity Units: | Not reported |
| Other Receptors: | Pavement |
| RP Company: | VDOT |
| RP Name: | Not reported |
| Property Owner: | Not reported |
| Property Company: | Not reported |
| Duration Of Event (Hrs): | Not reported |
| Impacts: | Not reported |
| Other Impacts: | Not reported |
| Steps Taken: | Not reported |
| Steps Taken Description: | Not reported |
| System Components: | Not reported |
| Other System Components: | Not reported |
| Cause Of Event: | Not reported |
| Corrective Action Taken: | Not reported |

**MANASSAS REST AREA I-66 EAST (Continued)** **S106240039**

| | |
|---|---|
| Weather Status: | No |
| Precipitation (Wet): | Not reported |
| Discharge Type: | Not reported |
| Discharge Volume: | Not reported |
| Unknown Discharge (Y/N): | NO |
| Site Name: | MANASSAS REST AREA I-66 EAST |
| Closure Date: | 05/01/2000 |
| Orig. Call Incident Description: | spill in rest area, source not identified, 20-30 gal. D.F. VDOT brought sand to clean up |
| Original Call Material Description: | diesel fuel (Qty=30) |
| Original Call Location Description: | Manassas Rest Area I-66 east-MM 234-Manassas-VA--Prince William County |
| Incident Ongoing at time of Call: | No |
| Agencies Notified (Y/N): | NO |
| Other Agencies: | Not reported |
| Permitted (Y/N): | No |
| Call Reported By Company Name: | Not reported |
| Call Property Owner Company Name: | Not reported |
| Call Property Owner Name: | Not reported |
| Site Summary: | Not reported |

SPILLS NO:

| | |
|---|---|
| Region: | NO |
| Id: | Not reported |
| Incident Summary: | Not reported |
| Date In: | 4/29/2000 |
| Date Closed: | 5/1/2000 |
| Pollution Type: | Not reported |
| Responsible Party: | Not reported |
| **Facility Status:** | **Not reported** |
| Owner: | Not reported |
| Facility Contact: | Not reported |
| Facility Permitted: | 0 |
| Facility Telephone: | Not reported |
| Time In: | 3:03:00 AM |
| Reported By Name: | VDOT |
| Reported By Telephone: | Not reported |
| Reported By Affiliation/Addr: | Not reported |
| Incident Response IR #: | 2000-N-0693 |
| Responsible Party Address: | Not reported |
| Responsible Party City: | Not reported |
| Responsible Party State: | Not reported |
| Responsible Party Zip: | Not reported |
| Responsible Party Contact: | Not reported |
| Responsible Party Telephone: | Not reported |
| Owner Name: | Not reported |
| Owner Address: | Not reported |
| Owner City: | Not reported |
| Owner State: | Not reported |
| Owner Zip: | Not reported |
| Owner Contact: | Not reported |
| Owner Telephone: | Not reported |
| Incident Date: | 4/29/2000 |
| Incident Time: | 2:45:00 AM |
| Petroleum: | -1 |
| Solid Waste: | 0 |
| Hazardous Waste: | 0 |
| Water: | 0 |

**MANASSAS REST AREA I-66 EAST (Continued)** **S106240039**

| | |
|---|---|
| Air: | 0 |
| Sewage: | 0 |
| Fish Kill: | 0 |
| Threat Wetlands: | 0 |
| Wetlands: | 0 |
| Material Released: | diesel fuel |
| Possible Receptors: | pavement |
| Quantity Released: | 30 |
| Unit Released: | gal |
| Quantity In Water: | 0 |
| Receiving Waters: | Not reported |
| River Basin: | Not reported |
| Inspection Date: | Not reported |
| Call Date: | Not reported |
| Inspector: | PZG |
| Response Due: | Not reported |
| Response Received Date: | Not reported |
| Visit Needed: | 0 |
| Open: | 0 |
| Air Referral Date: | Not reported |
| Air Reg/ Permit Number: | Not reported |
| Waste Referral Date: | Not reported |
| Epa Id Or Permit Number: | Not reported |
| Water Referral Date: | Not reported |
| Water Permit Number: | Not reported |
| Remediation Referral Date: | Not reported |
| Remediation Pc Number: | Not reported |
| Enforcement Referral Date: | Not reported |
| Nov Number: | Not reported |
| Pc Number: | Not reported |
| Receive By: | Not reported |
| Case Officer: | Not reported |
| Case Type: | Not reported |
| Street Address: | Not reported |
| Polllutant: | Not reported |
| Impact: | Not reported |
| Spill Time: | Not reported |
| Spill Date: | Not reported |
| Spill Volume: | Not reported |
| Measure: | Not reported |
| Volume In Water: | Not reported |
| Stream Name: | Not reported |
| Investigation Date: | Not reported |
| Closure Date: | Not reported |
| Lab Results: | Not reported |
| Target Date: | Not reported |
| Prep Number: | Not reported |
| Report Date: | Not reported |
| Report Time: | Not reported |
| Pollutant Scr: | Not reported |
| Volume: | Not reported |
| Volume Esc: | Not reported |
| Future Recommendations: | Not reported |
| Stream Code: | Not reported |
| Visit Date: | Not reported |
| Lab Date: | Not reported |
| File Close Date: | Not reported |

**MANASSAS REST AREA I-66 EAST (Continued)** **S106240039**

| | |
|---|---|
| Prep Copy: | Not reported |
| City: | Not reported |
| Incident Summary: | spill in rest area, source not identified, 20-30 gal. D.F. VDOT brought sand to clean up |
| Reported: | Not reported |
| Results: | Not reported |
| Inspection Comments: | locals/VDOT handled |
| Remarks: | Not reported |

SPILLS:

| | |
|---|---|
| Name: | Not reported |
| Address: | MM 234 |
| City,State,Zip: | MANASSAS, VA |
| City,State,Zip: | MANASSAS, VA |
| Fips City/County: | 153/Prince William County |
| Status: | Closed |
| Reference Id: | 254954 |
| IR Number: | 2000-N-0693 |
| Associated IR: | Not reported |
| Incident Date: | 04/29/2000 |
| Call Received Date: | 04/29/2000 |
| Closure Comments: | See Site Comments for details |
| Threat To: | Not reported |
| Terrorism (Y/N): | NO |
| Characterize Incident: | Not reported |
| Incident Type: | Petroleum(Petroleum) |
| Incident Subtype: | Petroleum |
| Materials: | Oil (Fuel-Diesel) |
| Effect To Receptor: | Not reported |
| Water Body: | Not reported |
| Low Quantity To Water: | Not reported |
| High Quantity To Water: | Not reported |
| Quantity Units: | Not reported |
| Other Receptors: | Pavement |
| RP Company: | VDOT |
| RP Name: | Not reported |
| Property Owner: | Not reported |
| Property Company: | Not reported |
| Duration Of Event (Hrs): | Not reported |
| Impacts: | Not reported |
| Other Impacts: | Not reported |
| Steps Taken: | Not reported |
| Steps Taken Description: | Not reported |
| System Components: | Not reported |
| Other System Components: | Not reported |
| Cause Of Event: | Not reported |
| Corrective Action Taken: | Not reported |
| Weather Status: | No |
| Precipitation (Wet): | Not reported |
| Discharge Type: | Not reported |
| Discharge Volume: | Not reported |
| Unknown Discharge (Y/N): | NO |
| Site Name: | MANASSAS REST AREA I-66 EAST |
| Closure Date: | 05/01/2000 |
| Orig. Call Incident Description: | spill in rest area, source not identified, 20-30 gal. D.F. VDOT brought sand to clean up |
| Original Call Material Description: | diesel fuel (Qty=30) |

**MANASSAS REST AREA I-66 EAST (Continued)** **S106240039**

| | |
|---|---|
| Original Call Location Description: | Manassas Rest Area I-66 east-MM 234-Manassas-VA--Prince William County |
| Incident Ongoing at time of Call: | No |
| Agencies Notified (Y/N): | NO |
| Other Agencies: | Not reported |
| Permitted (Y/N): | No |
| Call Reported By Company Name: | Not reported |
| Call Property Owner Company Name: | Not reported |
| Call Property Owner Name: | Not reported |
| Site Summary: | Not reported |

SPILLS NO:

| | |
|---|---|
| Region: | NO |
| Id: | Not reported |
| Incident Summary: | Not reported |
| Date In: | 4/29/2000 |
| Date Closed: | 5/1/2000 |
| Pollution Type: | Not reported |
| Responsible Party: | Not reported |
| **Facility Status:** | **Not reported** |
| Owner: | Not reported |
| Facility Contact: | Not reported |
| Facility Permitted: | 0 |
| Facility Telephone: | Not reported |
| Time In: | 3:03:00 AM |
| Reported By Name: | VDOT |
| Reported By Telephone: | Not reported |
| Reported By Affiliation/Addr: | Not reported |
| Incident Response IR #: | 2000-N-0693 |
| Responsible Party Address: | Not reported |
| Responsible Party City: | Not reported |
| Responsible Party State: | Not reported |
| Responsible Party Zip: | Not reported |
| Responsible Party Contact: | Not reported |
| Responsible Party Telephone: | Not reported |
| Owner Name: | Not reported |
| Owner Address: | Not reported |
| Owner City: | Not reported |
| Owner State: | Not reported |
| Owner Zip: | Not reported |
| Owner Contact: | Not reported |
| Owner Telephone: | Not reported |
| Incident Date: | 4/29/2000 |
| Incident Time: | 2:45:00 AM |
| Petroleum: | -1 |
| Solid Waste: | 0 |
| Hazardous Waste: | 0 |
| Water: | 0 |
| Air: | 0 |
| Sewage: | 0 |
| Fish Kill: | 0 |
| Threat Wetlands: | 0 |
| Wetlands: | 0 |
| Material Released: | diesel fuel |
| Possible Receptors: | pavement |
| Quantity Released: | 30 |
| Unit Released: | gal |
| Quantity In Water: | 0 |

**MANASSAS REST AREA I-66 EAST (Continued)** **S106240039**

| | |
|---|---|
| Receiving Waters: | Not reported |
| River Basin: | Not reported |
| Inspection Date: | Not reported |
| Call Date: | Not reported |
| Inspector: | PZG |
| Response Due: | Not reported |
| Response Received Date: | Not reported |
| Visit Needed: | 0 |
| Open: | 0 |
| Air Referral Date: | Not reported |
| Air Reg/ Permit Number: | Not reported |
| Waste Referral Date: | Not reported |
| Epa Id Or Permit Number: | Not reported |
| Water Referral Date: | Not reported |
| Water Permit Number: | Not reported |
| Remediation Referral Date: | Not reported |
| Remediation Pc Number: | Not reported |
| Enforcement Referral Date: | Not reported |
| Nov Number: | Not reported |
| Pc Number: | Not reported |
| Receive By: | Not reported |
| Case Officer: | Not reported |
| Case Type: | Not reported |
| Street Address: | Not reported |
| Polllutant: | Not reported |
| Impact: | Not reported |
| Spill Time: | Not reported |
| Spill Date: | Not reported |
| Spill Volume: | Not reported |
| Measure: | Not reported |
| Volume In Water: | Not reported |
| Stream Name: | Not reported |
| Investigation Date: | Not reported |
| Closure Date: | Not reported |
| Lab Results: | Not reported |
| Target Date: | Not reported |
| Prep Number: | Not reported |
| Report Date: | Not reported |
| Report Time: | Not reported |
| Pollutant Scr: | Not reported |
| Volume: | Not reported |
| Volume Esc: | Not reported |
| Future Recommendations: | Not reported |
| Stream Code: | Not reported |
| Visit Date: | Not reported |
| Lab Date: | Not reported |
| File Close Date: | Not reported |
| Prep Copy: | Not reported |
| City: | Not reported |
| Incident Summary: | spill in rest area, source not identified, 20-30 gal. D.F. VDOT brought sand to clean up |
| Reported: | Not reported |
| Results: | Not reported |
| Inspection Comments: | locals/VDOT handled |
| Remarks: | Not reported |

**F32** **MANASSAS REGIONAL AIRPORT** **VA SPILLS** **S106240914**
**Target** **MANASSAS REGIONAL AIRPORT** **N/A**
**Property** **MANASSAS, VA**

**Site 3 of 6 in cluster F**

**Actual:** **188 ft.**

**Focus Map:** **5**

SPILLS:

| | |
|---|---|
| Name: | Not reported |
| Address: | MANASSAS REGIONAL AIRPORT |
| City,State,Zip: | MANASSAS, VA |
| City,State,Zip: | MANASSAS, VA |
| Fips City/County: | 683/Manassas City |
| Status: | Closed |
| Reference Id: | 1047 |
| IR Number: | 2010-N-1457 |
| Associated IR: | Not reported |
| Incident Date: | 11/23/2009 |
| Call Received Date: | 11/23/2009 |
| Closure Comments: | NFA |
| Threat To: | Not reported |
| Terrorism (Y/N): | N |
| Characterize Incident: | Accidental |
| Incident Type: | Not reported |
| Incident Subtype: | Not reported |
| Materials: | Aviation fuel |
| Effect To Receptor: | Not reported |
| Water Body: | Not reported |
| Low Quantity To Water: | Not reported |
| High Quantity To Water: | Not reported |
| Quantity Units: | Not reported |
| Other Receptors: | Not reported |
| RP Company: | Manassas Regional Airport |
| RP Name: | Not reported |
| Property Owner: | Not reported |
| Property Company: | Not reported |
| Duration Of Event (Hrs): | 0 |
| Impacts: | Not reported |
| Other Impacts: | Not reported |
| Steps Taken: | Not reported |
| Steps Taken Description: | Not reported |
| System Components: | Not reported |
| Other System Components: | Not reported |
| Cause Of Event: | Not reported |
| Corrective Action Taken: | Not reported |
| Weather Status: | No |
| Precipitation (Wet): | 0 |
| Discharge Type: | Not reported |
| Discharge Volume: | 0 |
| Unknown Discharge (Y/N): | N |
| Site Name: | MANASSAS REGIONAL AIRPORT |
| Closure Date: | 08/16/2010 |
| Orig. Call Incident Description: | 10 gallons of Jet-A was spilled on the ground when the stop system failed. The spill has been cleaned up and the cat litter and surrounding gravel has been placed in a container which will be disposed of properly and a receipt can be provided. There was no run off in any streams or water. |
| Original Call Material Description: | Aviation Fuel |
| Original Call Location Description: | Manassas Regional Airport |
| Incident Ongoing at time of Call: | No |

**MANASSAS REGIONAL AIRPORT (Continued)** **S106240914**

| | |
|---|---|
| Agencies Notified (Y/N): | N |
| Other Agencies: | Not reported |
| Permitted (Y/N): | No |
| Call Reported By Company Name: | Not reported |
| Call Property Owner Company Name: | Not reported |
| Call Property Owner Name: | Not reported |
| Site Summary: | 10 gallons of Jet-A was spilled on the ground when the stop system failed. The spill has been cleaned up and the cat litter and surrounding gravel has been placed in a container which will be disposed of properly and a receipt can be provided. There was no run off in any streams or water. |
| Name: | Not reported |
| Address: | MANASSAS REGIONAL AIRPORT |
| City,State,Zip: | MANASSAS, VA |
| City,State,Zip: | MANASSAS, VA |
| Fips City/County: | 683/Manassas City |
| Status: | Closed |
| Reference Id: | 254477 |
| IR Number: | 2004-N-0041 |
| Associated IR: | Not reported |
| Incident Date: | 07/10/2003 |
| Call Received Date: | 07/11/2003 |
| Closure Comments: | See Site Comments for details |
| Threat To: | Not reported |
| Terrorism (Y/N): | NO |
| Characterize Incident: | Not reported |
| Incident Type: | Petroleum(Petroleum) |
| Incident Subtype: | Petroleum |
| Materials: | Oil (Hydraulic ) |
| Effect To Receptor: | Not reported |
| Water Body: | Not reported |
| Low Quantity To Water: | Not reported |
| High Quantity To Water: | Not reported |
| Quantity Units: | Not reported |
| Other Receptors: | Land |
| RP Company: | Alex Crowers |
| RP Name: | Not reported |
| Property Owner: | Not reported |
| Property Company: | Not reported |
| Duration Of Event (Hrs): | Not reported |
| Impacts: | Not reported |
| Other Impacts: | Not reported |
| Steps Taken: | Not reported |
| Steps Taken Description: | Not reported |
| System Components: | Not reported |
| Other System Components: | Not reported |
| Cause Of Event: | Not reported |
| Corrective Action Taken: | Not reported |
| Weather Status: | No |
| Precipitation (Wet): | Not reported |
| Discharge Type: | Not reported |
| Discharge Volume: | Not reported |
| Unknown Discharge (Y/N): | NO |
| Site Name: | MANASSAS REGIONAL AIRPORT |
| Closure Date: | 07/11/2003 |
| Orig. Call Incident Description: | Gradall broke hydraulic hose, est. 15-20 gal. Oil spill to ground. |

**MANASSAS REGIONAL AIRPORT (Continued)** **S106240914**

Richard Hill directed them to give me a 5 day letter

| | |
|---|---|
| Original Call Material Description: | hydraulic fluid (Qty=20) |
| Original Call Location Description: | Manassas Regional Airport-Manassas Regional Airport-Manassas-VA--Manassas City |
| Incident Ongoing at time of Call: | No |
| Agencies Notified (Y/N): | NO |
| Other Agencies: | Not reported |
| Permitted (Y/N): | No |
| Call Reported By Company Name: | Not reported |
| Call Property Owner Company Name: | Not reported |
| Call Property Owner Name: | Not reported |
| Site Summary: | Not reported |

SPILLS NO:

| | |
|---|---|
| Region: | NO |
| Id: | Not reported |
| Incident Summary: | Not reported |
| Date In: | 7/11/2003 |
| Date Closed: | 7/11/2003 |
| Pollution Type: | Not reported |
| Responsible Party: | Not reported |
| **Facility Status:** | **Not reported** |
| Owner: | Not reported |
| Facility Contact: | Not reported |
| Facility Permitted: | 0 |
| Facility Telephone: | Not reported |
| Time In: | 8:52:00 AM |
| Reported By Name: | Alex Crowers |
| Reported By Telephone: | 7039062675 |
| Reported By Affiliation/Addr: | New Construction |
| Incident Response IR #: | 2004-N-0041 |
| Responsible Party Address: | Not reported |
| Responsible Party City: | Not reported |
| Responsible Party State: | Not reported |
| Responsible Party Zip: | Not reported |
| Responsible Party Contact: | Not reported |
| Responsible Party Telephone: | Not reported |
| Owner Name: | Not reported |
| Owner Address: | Not reported |
| Owner City: | Not reported |
| Owner State: | Not reported |
| Owner Zip: | Not reported |
| Owner Contact: | Not reported |
| Owner Telephone: | Not reported |
| Incident Date: | 7/10/2003 |
| Incident Time: | 6:00:00 PM |
| Petroleum: | -1 |
| Solid Waste: | 0 |
| Hazardous Waste: | 0 |
| Water: | 0 |
| Air: | 0 |
| Sewage: | 0 |
| Fish Kill: | 0 |
| Threat Wetlands: | 0 |
| Wetlands: | 0 |
| Material Released: | hydraulic fluid |
| Possible Receptors: | land |

**MANASSAS REGIONAL AIRPORT (Continued)** **S106240914**

| | |
|---|---|
| Quantity Released: | 20 |
| Unit Released: | gallons |
| Quantity In Water: | 0 |
| Receiving Waters: | Not reported |
| River Basin: | Not reported |
| Inspection Date: | Not reported |
| Call Date: | 7/11/2003 |
| Inspector: | Not reported |
| Response Due: | Not reported |
| Response Received Date: | Not reported |
| Visit Needed: | 0 |
| Open: | 0 |
| Air Referral Date: | Not reported |
| Air Reg/ Permit Number: | Not reported |
| Waste Referral Date: | Not reported |
| Epa Id Or Permit Number: | Not reported |
| Water Referral Date: | Not reported |
| Water Permit Number: | Not reported |
| Remediation Referral Date: | Not reported |
| Remediation Pc Number: | Not reported |
| Enforcement Referral Date: | Not reported |
| Nov Number: | Not reported |
| Pc Number: | Not reported |
| Receive By: | Not reported |
| Case Officer: | Not reported |
| Case Type: | Not reported |
| Street Address: | Not reported |
| Polllutant: | Not reported |
| Impact: | Not reported |
| Spill Time: | Not reported |
| Spill Date: | Not reported |
| Spill Volume: | Not reported |
| Measure: | Not reported |
| Volume In Water: | Not reported |
| Stream Name: | Not reported |
| Investigation Date: | Not reported |
| Closure Date: | Not reported |
| Lab Results: | Not reported |
| Target Date: | Not reported |
| Prep Number: | Not reported |
| Report Date: | Not reported |
| Report Time: | Not reported |
| Pollutant Scr: | Not reported |
| Volume: | Not reported |
| Volume Esc: | Not reported |
| Future Recommendations: | Not reported |
| Stream Code: | Not reported |
| Visit Date: | Not reported |
| Lab Date: | Not reported |
| File Close Date: | Not reported |
| Prep Copy: | Not reported |
| City: | Not reported |
| Incident Summary: | Gradall broke hydraulic hose, est. 15-20 gal. Oil spill to ground. Richard Hill directed them to give me a 5 day letter |
| Reported: | Not reported |
| Results: | Not reported |
| Inspection Comments: | PZG called Alex Crower, provided address for 5 day letter. |

**MANASSAS REGIONAL AIRPORT (Continued)** **S106240914**

Already written, in office to be typed, Mr. Hill will get Fax copy
Remarks: Not reported

SPILLS:
Name: Not reported
Address: MANASSAS REGIONAL AIRPORT
City,State,Zip: MANASSAS, VA
City,State,Zip: MANASSAS, VA
Fips City/County: 683/Manassas City
Status: Closed
Reference Id: 1047
IR Number: 2010-N-1457
Associated IR: Not reported
Incident Date: 11/23/2009
Call Received Date: 11/23/2009
Closure Comments: NFA
Threat To: Not reported
Terrorism (Y/N): N
Characterize Incident: Accidental
Incident Type: Not reported
Incident Subtype: Not reported
Materials: Aviation fuel
Effect To Receptor: Not reported
Water Body: Not reported
Low Quantity To Water: Not reported
High Quantity To Water: Not reported
Quantity Units: Not reported
Other Receptors: Not reported
RP Company: Manassas Regional Airport
RP Name: Not reported
Property Owner: Not reported
Property Company: Not reported
Duration Of Event (Hrs): 0
Impacts: Not reported
Other Impacts: Not reported
Steps Taken: Not reported
Steps Taken Description: Not reported
System Components: Not reported
Other System Components: Not reported
Cause Of Event: Not reported
Corrective Action Taken: Not reported
Weather Status: No
Precipitation (Wet): 0
Discharge Type: Not reported
Discharge Volume: 0
Unknown Discharge (Y/N): N
Site Name: MANASSAS REGIONAL AIRPORT
Closure Date: 08/16/2010
Orig. Call Incident Description: 10 gallons of Jet-A was spilled on the ground when the stop system failed. The spill has been cleaned up and the cat litter and surrounding gravel has been placed in a container which will be disposed of properly and a receipt can be provided. There was no run off in any streams or water.
Original Call Material Description: Aviation Fuel
Original Call Location Description: Manassas Regional Airport
Incident Ongoing at time of Call: No

**MANASSAS REGIONAL AIRPORT (Continued)** **S106240914**

| | |
|---|---|
| Agencies Notified (Y/N): | N |
| Other Agencies: | Not reported |
| Permitted (Y/N): | No |
| Call Reported By Company Name: | Not reported |
| Call Property Owner Company Name: | Not reported |
| Call Property Owner Name: | Not reported |
| Site Summary: | 10 gallons of Jet-A was spilled on the ground when the stop system failed. The spill has been cleaned up and the cat litter and surrounding gravel has been placed in a container which will be disposed of properly and a receipt can be provided. There was no run off in any streams or water. |
| Name: | Not reported |
| Address: | MANASSAS REGIONAL AIRPORT |
| City,State,Zip: | MANASSAS, VA |
| City,State,Zip: | MANASSAS, VA |
| Fips City/County: | 683/Manassas City |
| Status: | Closed |
| Reference Id: | 254477 |
| IR Number: | 2004-N-0041 |
| Associated IR: | Not reported |
| Incident Date: | 07/10/2003 |
| Call Received Date: | 07/11/2003 |
| Closure Comments: | See Site Comments for details |
| Threat To: | Not reported |
| Terrorism (Y/N): | NO |
| Characterize Incident: | Not reported |
| Incident Type: | Petroleum(Petroleum) |
| Incident Subtype: | Petroleum |
| Materials: | Oil (Hydraulic ) |
| Effect To Receptor: | Not reported |
| Water Body: | Not reported |
| Low Quantity To Water: | Not reported |
| High Quantity To Water: | Not reported |
| Quantity Units: | Not reported |
| Other Receptors: | Land |
| RP Company: | Alex Crowers |
| RP Name: | Not reported |
| Property Owner: | Not reported |
| Property Company: | Not reported |
| Duration Of Event (Hrs): | Not reported |
| Impacts: | Not reported |
| Other Impacts: | Not reported |
| Steps Taken: | Not reported |
| Steps Taken Description: | Not reported |
| System Components: | Not reported |
| Other System Components: | Not reported |
| Cause Of Event: | Not reported |
| Corrective Action Taken: | Not reported |
| Weather Status: | No |
| Precipitation (Wet): | Not reported |
| Discharge Type: | Not reported |
| Discharge Volume: | Not reported |
| Unknown Discharge (Y/N): | NO |
| Site Name: | MANASSAS REGIONAL AIRPORT |
| Closure Date: | 07/11/2003 |
| Orig. Call Incident Description: | Gradall broke hydraulic hose, est. 15-20 gal. Oil spill to ground. |

**MANASSAS REGIONAL AIRPORT (Continued)** **S106240914**

Richard Hill directed them to give me a 5 day letter

| | |
|---|---|
| Original Call Material Description: | hydraulic fluid (Qty=20) |
| Original Call Location Description: | Manassas Regional Airport-Manassas Regional Airport-Manassas-VA--Manassas City |
| Incident Ongoing at time of Call: | No |
| Agencies Notified (Y/N): | NO |
| Other Agencies: | Not reported |
| Permitted (Y/N): | No |
| Call Reported By Company Name: | Not reported |
| Call Property Owner Company Name: | Not reported |
| Call Property Owner Name: | Not reported |
| Site Summary: | Not reported |

SPILLS NO:

| | |
|---|---|
| Region: | NO |
| Id: | Not reported |
| Incident Summary: | Not reported |
| Date In: | 7/11/2003 |
| Date Closed: | 7/11/2003 |
| Pollution Type: | Not reported |
| Responsible Party: | Not reported |
| **Facility Status:** | **Not reported** |
| Owner: | Not reported |
| Facility Contact: | Not reported |
| Facility Permitted: | 0 |
| Facility Telephone: | Not reported |
| Time In: | 8:52:00 AM |
| Reported By Name: | Alex Crowers |
| Reported By Telephone: | 7039062675 |
| Reported By Affiliation/Addr: | New Construction |
| Incident Response IR #: | 2004-N-0041 |
| Responsible Party Address: | Not reported |
| Responsible Party City: | Not reported |
| Responsible Party State: | Not reported |
| Responsible Party Zip: | Not reported |
| Responsible Party Contact: | Not reported |
| Responsible Party Telephone: | Not reported |
| Owner Name: | Not reported |
| Owner Address: | Not reported |
| Owner City: | Not reported |
| Owner State: | Not reported |
| Owner Zip: | Not reported |
| Owner Contact: | Not reported |
| Owner Telephone: | Not reported |
| Incident Date: | 7/10/2003 |
| Incident Time: | 6:00:00 PM |
| Petroleum: | -1 |
| Solid Waste: | 0 |
| Hazardous Waste: | 0 |
| Water: | 0 |
| Air: | 0 |
| Sewage: | 0 |
| Fish Kill: | 0 |
| Threat Wetlands: | 0 |
| Wetlands: | 0 |
| Material Released: | hydraulic fluid |
| Possible Receptors: | land |

**MANASSAS REGIONAL AIRPORT (Continued)** **S106240914**

| | |
|---|---|
| Quantity Released: | 20 |
| Unit Released: | gallons |
| Quantity In Water: | 0 |
| Receiving Waters: | Not reported |
| River Basin: | Not reported |
| Inspection Date: | Not reported |
| Call Date: | 7/11/2003 |
| Inspector: | Not reported |
| Response Due: | Not reported |
| Response Received Date: | Not reported |
| Visit Needed: | 0 |
| Open: | 0 |
| Air Referral Date: | Not reported |
| Air Reg/ Permit Number: | Not reported |
| Waste Referral Date: | Not reported |
| Epa Id Or Permit Number: | Not reported |
| Water Referral Date: | Not reported |
| Water Permit Number: | Not reported |
| Remediation Referral Date: | Not reported |
| Remediation Pc Number: | Not reported |
| Enforcement Referral Date: | Not reported |
| Nov Number: | Not reported |
| Pc Number: | Not reported |
| Receive By: | Not reported |
| Case Officer: | Not reported |
| Case Type: | Not reported |
| Street Address: | Not reported |
| Polllutant: | Not reported |
| Impact: | Not reported |
| Spill Time: | Not reported |
| Spill Date: | Not reported |
| Spill Volume: | Not reported |
| Measure: | Not reported |
| Volume In Water: | Not reported |
| Stream Name: | Not reported |
| Investigation Date: | Not reported |
| Closure Date: | Not reported |
| Lab Results: | Not reported |
| Target Date: | Not reported |
| Prep Number: | Not reported |
| Report Date: | Not reported |
| Report Time: | Not reported |
| Pollutant Scr: | Not reported |
| Volume: | Not reported |
| Volume Esc: | Not reported |
| Future Recommendations: | Not reported |
| Stream Code: | Not reported |
| Visit Date: | Not reported |
| Lab Date: | Not reported |
| File Close Date: | Not reported |
| Prep Copy: | Not reported |
| City: | Not reported |
| Incident Summary: | Gradall broke hydraulic hose, est. 15-20 gal. Oil spill to ground. Richard Hill directed them to give me a 5 day letter |
| Reported: | Not reported |
| Results: | Not reported |
| Inspection Comments: | PZG called Alex Crower, provided address for 5 day letter. |

**MANASSAS REGIONAL AIRPORT (Continued)** **S106240914**

Already written, in office to be typed, Mr. Hill will get Fax copy
Remarks: Not reported

---

**F33** **MANASSAS REGIONAL AIRPORT** **VA SPILLS** **S108325303**
**Target** **TANK FARM** **N/A**
**Property** **MANASSAS, VA**

**Site 4 of 6 in cluster F**

**Actual:** **188 ft.**
**Focus Map:** **5**

SPILLS:

| | |
|---|---|
| Name: | Not reported |
| Address: | TANK FARM |
| City,State,Zip: | MANASSAS, VA |
| City,State,Zip: | MANASSAS, VA |
| Fips City/County: | 683/Manassas City |
| Status: | Closed |
| Reference Id: | 256544 |
| IR Number: | 2003-N-0783 |
| Associated IR: | Not reported |
| Incident Date: | 04/10/2003 |
| Call Received Date: | 04/11/2003 |
| Closure Comments: | See Site Comments for details |
| Threat To: | Not reported |
| Terrorism (Y/N): | NO |
| Characterize Incident: | Not reported |
| Incident Type: | Petroleum(Petroleum) |
| Incident Subtype: | Petroleum |
| Materials: | Oil (Fuel-Aviation) |
| Effect To Receptor: | Not reported |
| Water Body: | Not reported |
| Low Quantity To Water: | Not reported |
| High Quantity To Water: | Not reported |
| Quantity Units: | Not reported |
| Other Receptors: | Not reported |
| RP Company: | Richard Hill |
| RP Name: | Not reported |
| Property Owner: | Not reported |
| Property Company: | Not reported |
| Duration Of Event (Hrs): | Not reported |
| Impacts: | Not reported |
| Other Impacts: | Not reported |
| Steps Taken: | Not reported |
| Steps Taken Description: | Not reported |
| System Components: | Not reported |
| Other System Components: | Not reported |
| Cause Of Event: | Not reported |
| Corrective Action Taken: | Not reported |
| Weather Status: | No |
| Precipitation (Wet): | Not reported |
| Discharge Type: | Not reported |
| Discharge Volume: | Not reported |
| Unknown Discharge (Y/N): | NO |
| Site Name: | MANASSAS REGIONAL AIRPORT |
| Closure Date: | 04/11/2003 |
| Orig. Call Incident Description: | fuel spill at tank farm, some in storm drain and caught at oil water separator |
| Original Call Material Description: | jet (Qty=-1) |

**MANASSAS REGIONAL AIRPORT (Continued)** **S108325303**

| | |
|---|---|
| Original Call Location Description: | Manassas Regional Airport-Tank Farm-Manassas-VA--Manassas City |
| Incident Ongoing at time of Call: | No |
| Agencies Notified (Y/N): | NO |
| Other Agencies: | Not reported |
| Permitted (Y/N): | No |
| Call Reported By Company Name: | Geneva Air |
| Call Property Owner Company Name: | Not reported |
| Call Property Owner Name: | Not reported |
| Site Summary: | Not reported |

SPILLS NO:

| | |
|---|---|
| Region: | NO |
| Id: | Not reported |
| Incident Summary: | Not reported |
| Date In: | 4/11/2003 |
| Date Closed: | Not reported |
| Pollution Type: | Not reported |
| Responsible Party: | Geneva Air |
| **Facility Status:** | **Not reported** |
| Owner: | Not reported |
| Facility Contact: | Not reported |
| Facility Permitted: | -1 |
| Facility Telephone: | Not reported |
| Time In: | 12:16:00 PM |
| Reported By Name: | Richard Hill |
| Reported By Telephone: | 7032578282 |
| Reported By Affiliation/Addr: | City of Manassas |
| Incident Response IR #: | 2003-N-0783 |
| Responsible Party Address: | Not reported |
| Responsible Party City: | Not reported |
| Responsible Party State: | Not reported |
| Responsible Party Zip: | Not reported |
| Responsible Party Contact: | Not reported |
| Responsible Party Telephone: | Not reported |
| Owner Name: | Not reported |
| Owner Address: | Not reported |
| Owner City: | Not reported |
| Owner State: | Not reported |
| Owner Zip: | Not reported |
| Owner Contact: | Not reported |
| Owner Telephone: | Not reported |
| Incident Date: | 4/10/2003 |
| Incident Time: | 4:15:00 PM |
| Petroleum: | -1 |
| Solid Waste: | 0 |
| Hazardous Waste: | 0 |
| Water: | 0 |
| Air: | 0 |
| Sewage: | 0 |
| Fish Kill: | 0 |
| Threat Wetlands: | 0 |
| Wetlands: | 0 |
| Material Released: | jet |
| Possible Receptors: | Not reported |
| Quantity Released: | -1 |
| Unit Released: | gallons |
| Quantity In Water: | -1 |

**MANASSAS REGIONAL AIRPORT (Continued)** **S108325303**

| | |
|---|---|
| Receiving Waters: | Not reported |
| River Basin: | 1A Potomac |
| Inspection Date: | Not reported |
| Call Date: | Not reported |
| Inspector: | Not reported |
| Response Due: | Not reported |
| Response Received Date: | Not reported |
| Visit Needed: | 0 |
| Open: | 0 |
| Air Referral Date: | Not reported |
| Air Reg/ Permit Number: | Not reported |
| Waste Referral Date: | Not reported |
| Epa Id Or Permit Number: | Not reported |
| Water Referral Date: | Not reported |
| Water Permit Number: | Not reported |
| Remediation Referral Date: | 4/11/2003 |
| Remediation Pc Number: | FC-03-2045 |
| Enforcement Referral Date: | Not reported |
| Nov Number: | Not reported |
| Pc Number: | Not reported |
| Receive By: | Not reported |
| Case Officer: | Not reported |
| Case Type: | Not reported |
| Street Address: | Not reported |
| Polllutant: | Not reported |
| Impact: | Not reported |
| Spill Time: | Not reported |
| Spill Date: | Not reported |
| Spill Volume: | Not reported |
| Measure: | Not reported |
| Volume In Water: | Not reported |
| Stream Name: | Not reported |
| Investigation Date: | Not reported |
| Closure Date: | Not reported |
| Lab Results: | Not reported |
| Target Date: | Not reported |
| Prep Number: | Not reported |
| Report Date: | Not reported |
| Report Time: | Not reported |
| Pollutant Scr: | Not reported |
| Volume: | Not reported |
| Volume Esc: | Not reported |
| Future Recommendations: | Not reported |
| Stream Code: | Not reported |
| Visit Date: | Not reported |
| Lab Date: | Not reported |
| File Close Date: | Not reported |
| Prep Copy: | Not reported |
| City: | Not reported |
| Incident Summary: | fuel spill at tank farm, some in storm drain and caught at oil water separator |
| Reported: | Not reported |
| Results: | Not reported |
| Inspection Comments: | Not reported |
| Remarks: | Not reported |

**MANASSAS REGIONAL AIRPORT (Continued)** **S108325303**

SPILLS:

| | |
|---|---|
| Name: | Not reported |
| Address: | TANK FARM |
| City,State,Zip: | MANASSAS, VA |
| City,State,Zip: | MANASSAS, VA |
| Fips City/County: | 683/Manassas City |
| Status: | Closed |
| Reference Id: | 256544 |
| IR Number: | 2003-N-0783 |
| Associated IR: | Not reported |
| Incident Date: | 04/10/2003 |
| Call Received Date: | 04/11/2003 |
| Closure Comments: | See Site Comments for details |
| Threat To: | Not reported |
| Terrorism (Y/N): | NO |
| Characterize Incident: | Not reported |
| Incident Type: | Petroleum(Petroleum) |
| Incident Subtype: | Petroleum |
| Materials: | Oil (Fuel-Aviation) |
| Effect To Receptor: | Not reported |
| Water Body: | Not reported |
| Low Quantity To Water: | Not reported |
| High Quantity To Water: | Not reported |
| Quantity Units: | Not reported |
| Other Receptors: | Not reported |
| RP Company: | Richard Hill |
| RP Name: | Not reported |
| Property Owner: | Not reported |
| Property Company: | Not reported |
| Duration Of Event (Hrs): | Not reported |
| Impacts: | Not reported |
| Other Impacts: | Not reported |
| Steps Taken: | Not reported |
| Steps Taken Description: | Not reported |
| System Components: | Not reported |
| Other System Components: | Not reported |
| Cause Of Event: | Not reported |
| Corrective Action Taken: | Not reported |
| Weather Status: | No |
| Precipitation (Wet): | Not reported |
| Discharge Type: | Not reported |
| Discharge Volume: | Not reported |
| Unknown Discharge (Y/N): | NO |
| Site Name: | MANASSAS REGIONAL AIRPORT |
| Closure Date: | 04/11/2003 |
| Orig. Call Incident Description: | fuel spill at tank farm, some in storm drain and caught at oil water separator |
| Original Call Material Description: | jet (Qty=-1) |
| Original Call Location Description: | Manassas Regional Airport-Tank Farm-Manassas-VA--Manassas City |
| Incident Ongoing at time of Call: | No |
| Agencies Notified (Y/N): | NO |
| Other Agencies: | Not reported |
| Permitted (Y/N): | No |
| Call Reported By Company Name: | Geneva Air |
| Call Property Owner Company Name: | Not reported |
| Call Property Owner Name: | Not reported |
| Site Summary: | Not reported |

**MANASSAS REGIONAL AIRPORT (Continued)** **S108325303**

SPILLS NO:

| | |
|---|---|
| Region: | NO |
| Id: | Not reported |
| Incident Summary: | Not reported |
| Date In: | 4/11/2003 |
| Date Closed: | Not reported |
| Pollution Type: | Not reported |
| Responsible Party: | Geneva Air |
| **Facility Status:** | **Not reported** |
| Owner: | Not reported |
| Facility Contact: | Not reported |
| Facility Permitted: | -1 |
| Facility Telephone: | Not reported |
| Time In: | 12:16:00 PM |
| Reported By Name: | Richard Hill |
| Reported By Telephone: | 7032578282 |
| Reported By Affiliation/Addr: | City of Manassas |
| Incident Response IR #: | 2003-N-0783 |
| Responsible Party Address: | Not reported |
| Responsible Party City: | Not reported |
| Responsible Party State: | Not reported |
| Responsible Party Zip: | Not reported |
| Responsible Party Contact: | Not reported |
| Responsible Party Telephone: | Not reported |
| Owner Name: | Not reported |
| Owner Address: | Not reported |
| Owner City: | Not reported |
| Owner State: | Not reported |
| Owner Zip: | Not reported |
| Owner Contact: | Not reported |
| Owner Telephone: | Not reported |
| Incident Date: | 4/10/2003 |
| Incident Time: | 4:15:00 PM |
| Petroleum: | -1 |
| Solid Waste: | 0 |
| Hazardous Waste: | 0 |
| Water: | 0 |
| Air: | 0 |
| Sewage: | 0 |
| Fish Kill: | 0 |
| Threat Wetlands: | 0 |
| Wetlands: | 0 |
| Material Released: | jet |
| Possible Receptors: | Not reported |
| Quantity Released: | -1 |
| Unit Released: | gallons |
| Quantity In Water: | -1 |
| Receiving Waters: | Not reported |
| River Basin: | 1A Potomac |
| Inspection Date: | Not reported |
| Call Date: | Not reported |
| Inspector: | Not reported |
| Response Due: | Not reported |
| Response Received Date: | Not reported |
| Visit Needed: | 0 |
| Open: | 0 |
| Air Referral Date: | Not reported |

**MANASSAS REGIONAL AIRPORT (Continued)** **S108325303**

| | |
|---|---|
| Air Reg/ Permit Number: | Not reported |
| Waste Referral Date: | Not reported |
| Epa Id Or Permit Number: | Not reported |
| Water Referral Date: | Not reported |
| Water Permit Number: | Not reported |
| Remediation Referral Date: | 4/11/2003 |
| Remediation Pc Number: | FC-03-2045 |
| Enforcement Referral Date: | Not reported |
| Nov Number: | Not reported |
| Pc Number: | Not reported |
| Receive By: | Not reported |
| Case Officer: | Not reported |
| Case Type: | Not reported |
| Street Address: | Not reported |
| Polllutant: | Not reported |
| Impact: | Not reported |
| Spill Time: | Not reported |
| Spill Date: | Not reported |
| Spill Volume: | Not reported |
| Measure: | Not reported |
| Volume In Water: | Not reported |
| Stream Name: | Not reported |
| Investigation Date: | Not reported |
| Closure Date: | Not reported |
| Lab Results: | Not reported |
| Target Date: | Not reported |
| Prep Number: | Not reported |
| Report Date: | Not reported |
| Report Time: | Not reported |
| Pollutant Scr: | Not reported |
| Volume: | Not reported |
| Volume Esc: | Not reported |
| Future Recommendations: | Not reported |
| Stream Code: | Not reported |
| Visit Date: | Not reported |
| Lab Date: | Not reported |
| File Close Date: | Not reported |
| Prep Copy: | Not reported |
| City: | Not reported |
| Incident Summary: | fuel spill at tank farm, some in storm drain and caught at oil water separator |
| Reported: | Not reported |
| Results: | Not reported |
| Inspection Comments: | Not reported |
| Remarks: | Not reported |

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**F34** **VA SPILLS** **S106539680**
**Target Property** **MANASSAS REGIONAL AIRPORT MANASSAS-VA MANASSAS CITY** **N/A**
**MANASSAS, VA**

**Site 5 of 6 in cluster F**

**Actual:** **188 ft.**
**Focus Map: 5**

SPILLS:

| | |
|---|---|
| Name: | Not reported |
| Address: | MANASSAS REGIONAL AIRPORT--MANASSAS-VA--MANASSAS CITY |
| City,State,Zip: | MANASSAS, VA |
| City,State,Zip: | MANASSAS, VA |
| Fips City/County: | 683/Manassas City |

**(Continued)** **S106539680**

| | |
|---|---|
| Status: | Closed |
| Reference Id: | 256460 |
| IR Number: | 2004-N-1037 |
| Associated IR: | Not reported |
| Incident Date: | Not reported |
| Call Received Date: | 06/15/2004 |
| Closure Comments: | See Site Comments for details |
| Threat To: | Not reported |
| Terrorism (Y/N): | NO |
| Characterize Incident: | Not reported |
| Incident Type: | Water(Water) |
| Incident Subtype: | Water |
| Materials: | Not reported |
| Effect To Receptor: | Not reported |
| Water Body: | Not reported |
| Low Quantity To Water: | Not reported |
| High Quantity To Water: | Not reported |
| Quantity Units: | Not reported |
| Other Receptors: | Not reported |
| RP Company: | Richard Hill |
| RP Name: | Not reported |
| Property Owner: | Not reported |
| Property Company: | Not reported |
| Duration Of Event (Hrs): | Not reported |
| Impacts: | Not reported |
| Other Impacts: | Not reported |
| Steps Taken: | Not reported |
| Steps Taken Description: | Not reported |
| System Components: | Not reported |
| Other System Components: | Not reported |
| Cause Of Event: | Not reported |
| Corrective Action Taken: | Not reported |
| Weather Status: | No |
| Precipitation (Wet): | Not reported |
| Discharge Type: | Not reported |
| Discharge Volume: | Not reported |
| Unknown Discharge (Y/N): | NO |
| Site Name: | MANASSAS REGIONAL AIRPORT |
| Closure Date: | 06/16/2004 |
| Orig. Call Incident Description: | New hanger built-design called for interior drains to oil wtr separator, grade wasn't right so they built straight pipe disch to stm draim. |
| Original Call Material Description: | None |
| Original Call Location Description: | Manassas Regional Airport--Manassas-VA--Manassas City |
| Incident Ongoing at time of Call: | No |
| Agencies Notified (Y/N): | NO |
| Other Agencies: | Not reported |
| Permitted (Y/N): | No |
| Call Reported By Company Name: | Not reported |
| Call Property Owner Company Name: | Not reported |
| Call Property Owner Name: | Not reported |
| Site Summary: | Not reported |

SPILLS NO:

| | |
|---|---|
| Region: | NO |
| Id: | Not reported |
| Incident Summary: | Not reported |

**(Continued)** **S106539680**

| | |
|---|---|
| Date In: | 6/15/2004 |
| Date Closed: | 6/16/2004 |
| Pollution Type: | Not reported |
| Responsible Party: | Not reported |
| **Facility Status:** | **Not reported** |
| Owner: | Not reported |
| Facility Contact: | Not reported |
| Facility Permitted: | 0 |
| Facility Telephone: | Not reported |
| Time In: | Not reported |
| Reported By Name: | Richard Hill |
| Reported By Telephone: | Not reported |
| Reported By Affiliation/Addr: | City of Manassas |
| Incident Response IR #: | 2004-N-1037 |
| Responsible Party Address: | Not reported |
| Responsible Party City: | Not reported |
| Responsible Party State: | Not reported |
| Responsible Party Zip: | Not reported |
| Responsible Party Contact: | Not reported |
| Responsible Party Telephone: | Not reported |
| Owner Name: | Not reported |
| Owner Address: | Not reported |
| Owner City: | Not reported |
| Owner State: | Not reported |
| Owner Zip: | Not reported |
| Owner Contact: | Not reported |
| Owner Telephone: | Not reported |
| Incident Date: | Not reported |
| Incident Time: | Not reported |
| Petroleum: | 0 |
| Solid Waste: | 0 |
| Hazardous Waste: | 0 |
| Water: | -1 |
| Air: | 0 |
| Sewage: | 0 |
| Fish Kill: | 0 |
| Threat Wetlands: | 0 |
| Wetlands: | 0 |
| Material Released: | None |
| Possible Receptors: | None |
| Quantity Released: | Not reported |
| Unit Released: | Not reported |
| Quantity In Water: | Not reported |
| Receiving Waters: | Not reported |
| River Basin: | Not reported |
| Inspection Date: | Not reported |
| Call Date: | 6/16/2004 |
| Inspector: | Not reported |
| Response Due: | Not reported |
| Response Received Date: | Not reported |
| Visit Needed: | 0 |
| Open: | 0 |
| Air Referral Date: | Not reported |
| Air Reg/ Permit Number: | Not reported |
| Waste Referral Date: | Not reported |
| Epa Id Or Permit Number: | Not reported |
| Water Referral Date: | Not reported |

**(Continued)** **S106539680**

| | |
|---|---|
| Water Permit Number: | Not reported |
| Remediation Referral Date: | Not reported |
| Remediation Pc Number: | Not reported |
| Enforcement Referral Date: | Not reported |
| Nov Number: | Not reported |
| Pc Number: | Not reported |
| Receive By: | Not reported |
| Case Officer: | Not reported |
| Case Type: | Not reported |
| Street Address: | Not reported |
| Polllutant: | Not reported |
| Impact: | Not reported |
| Spill Time: | Not reported |
| Spill Date: | Not reported |
| Spill Volume: | Not reported |
| Measure: | Not reported |
| Volume In Water: | Not reported |
| Stream Name: | Not reported |
| Investigation Date: | Not reported |
| Closure Date: | Not reported |
| Lab Results: | Not reported |
| Target Date: | Not reported |
| Prep Number: | Not reported |
| Report Date: | Not reported |
| Report Time: | Not reported |
| Pollutant Scr: | Not reported |
| Volume: | Not reported |
| Volume Esc: | Not reported |
| Future Recommendations: | Not reported |
| Stream Code: | Not reported |
| Visit Date: | Not reported |
| Lab Date: | Not reported |
| File Close Date: | Not reported |
| Prep Copy: | Not reported |
| City: | Not reported |
| Incident Summary: | New hanger built-design called for interior drains to oil wtr separator, grade wasn't right so they built straight pipe disch to stm draim. |
| Reported: | Not reported |
| Results: | Not reported |
| Inspection Comments: | City Manassas corrected-will dig up part of pipe, aband (fill w/conc) rest of pipe-interior drains, no discharge. |
| Remarks: | Not reported |

SPILLS:

| | |
|---|---|
| Name: | Not reported |
| Address: | MANASSAS REGIONAL AIRPORT--MANASSAS-VA--MANASSAS CITY |
| City,State,Zip: | MANASSAS, VA |
| City,State,Zip: | MANASSAS, VA |
| Fips City/County: | 683/Manassas City |
| Status: | Closed |
| Reference Id: | 256460 |
| IR Number: | 2004-N-1037 |
| Associated IR: | Not reported |
| Incident Date: | Not reported |
| Call Received Date: | 06/15/2004 |
| Closure Comments: | See Site Comments for details |

**(Continued)** **S106539680**

| | |
|---|---|
| Threat To: | Not reported |
| Terrorism (Y/N): | NO |
| Characterize Incident: | Not reported |
| Incident Type: | Water(Water) |
| Incident Subtype: | Water |
| Materials: | Not reported |
| Effect To Receptor: | Not reported |
| Water Body: | Not reported |
| Low Quantity To Water: | Not reported |
| High Quantity To Water: | Not reported |
| Quantity Units: | Not reported |
| Other Receptors: | Not reported |
| RP Company: | Richard Hill |
| RP Name: | Not reported |
| Property Owner: | Not reported |
| Property Company: | Not reported |
| Duration Of Event (Hrs): | Not reported |
| Impacts: | Not reported |
| Other Impacts: | Not reported |
| Steps Taken: | Not reported |
| Steps Taken Description: | Not reported |
| System Components: | Not reported |
| Other System Components: | Not reported |
| Cause Of Event: | Not reported |
| Corrective Action Taken: | Not reported |
| Weather Status: | No |
| Precipitation (Wet): | Not reported |
| Discharge Type: | Not reported |
| Discharge Volume: | Not reported |
| Unknown Discharge (Y/N): | NO |
| Site Name: | MANASSAS REGIONAL AIRPORT |
| Closure Date: | 06/16/2004 |
| Orig. Call Incident Description: | New hanger built-design called for interior drains to oil wtr separator, grade wasn't right so they built straight pipe disch to stm draim. |
| Original Call Material Description: | None |
| Original Call Location Description: | Manassas Regional Airport--Manassas-VA--Manassas City |
| Incident Ongoing at time of Call: | No |
| Agencies Notified (Y/N): | NO |
| Other Agencies: | Not reported |
| Permitted (Y/N): | No |
| Call Reported By Company Name: | Not reported |
| Call Property Owner Company Name: | Not reported |
| Call Property Owner Name: | Not reported |
| Site Summary: | Not reported |

SPILLS NO:

| | |
|---|---|
| Region: | NO |
| Id: | Not reported |
| Incident Summary: | Not reported |
| Date In: | 6/15/2004 |
| Date Closed: | 6/16/2004 |
| Pollution Type: | Not reported |
| Responsible Party: | Not reported |
| **Facility Status:** | **Not reported** |
| Owner: | Not reported |
| Facility Contact: | Not reported |

**(Continued)** **S106539680**

| | |
|---|---|
| Facility Permitted: | 0 |
| Facility Telephone: | Not reported |
| Time In: | Not reported |
| Reported By Name: | Richard Hill |
| Reported By Telephone: | Not reported |
| Reported By Affiliation/Addr: | City of Manassas |
| Incident Response IR #: | 2004-N-1037 |
| Responsible Party Address: | Not reported |
| Responsible Party City: | Not reported |
| Responsible Party State: | Not reported |
| Responsible Party Zip: | Not reported |
| Responsible Party Contact: | Not reported |
| Responsible Party Telephone: | Not reported |
| Owner Name: | Not reported |
| Owner Address: | Not reported |
| Owner City: | Not reported |
| Owner State: | Not reported |
| Owner Zip: | Not reported |
| Owner Contact: | Not reported |
| Owner Telephone: | Not reported |
| Incident Date: | Not reported |
| Incident Time: | Not reported |
| Petroleum: | 0 |
| Solid Waste: | 0 |
| Hazardous Waste: | 0 |
| Water: | -1 |
| Air: | 0 |
| Sewage: | 0 |
| Fish Kill: | 0 |
| Threat Wetlands: | 0 |
| Wetlands: | 0 |
| Material Released: | None |
| Possible Receptors: | None |
| Quantity Released: | Not reported |
| Unit Released: | Not reported |
| Quantity In Water: | Not reported |
| Receiving Waters: | Not reported |
| River Basin: | Not reported |
| Inspection Date: | Not reported |
| Call Date: | 6/16/2004 |
| Inspector: | Not reported |
| Response Due: | Not reported |
| Response Received Date: | Not reported |
| Visit Needed: | 0 |
| Open: | 0 |
| Air Referral Date: | Not reported |
| Air Reg/ Permit Number: | Not reported |
| Waste Referral Date: | Not reported |
| Epa Id Or Permit Number: | Not reported |
| Water Referral Date: | Not reported |
| Water Permit Number: | Not reported |
| Remediation Referral Date: | Not reported |
| Remediation Pc Number: | Not reported |
| Enforcement Referral Date: | Not reported |
| Nov Number: | Not reported |
| Pc Number: | Not reported |
| Receive By: | Not reported |

**(Continued)** **S106539680**

| | |
|---|---|
| Case Officer: | Not reported |
| Case Type: | Not reported |
| Street Address: | Not reported |
| Polllutant: | Not reported |
| Impact: | Not reported |
| Spill Time: | Not reported |
| Spill Date: | Not reported |
| Spill Volume: | Not reported |
| Measure: | Not reported |
| Volume In Water: | Not reported |
| Stream Name: | Not reported |
| Investigation Date: | Not reported |
| Closure Date: | Not reported |
| Lab Results: | Not reported |
| Target Date: | Not reported |
| Prep Number: | Not reported |
| Report Date: | Not reported |
| Report Time: | Not reported |
| Pollutant Scr: | Not reported |
| Volume: | Not reported |
| Volume Esc: | Not reported |
| Future Recommendations: | Not reported |
| Stream Code: | Not reported |
| Visit Date: | Not reported |
| Lab Date: | Not reported |
| File Close Date: | Not reported |
| Prep Copy: | Not reported |
| City: | Not reported |
| Incident Summary: | New hanger built-design called for interior drains to oil wtr separator, grade wasn't right so they built straight pipe disch to stm draim. |
| Reported: | Not reported |
| Results: | Not reported |
| Inspection Comments: | City Manassas corrected-will dig up part of pipe, aband (fill w/conc) rest of pipe-interior drains, no discharge. |
| Remarks: | Not reported |

---

**F35** **MANASSAS REGIONAL AIRPORT** **VA SPILLS** **S106241006**
**Target** **EAST OF RUNWAY 16R** **N/A**
**Property** **MANASSAS, VA**

**Site 6 of 6 in cluster F**

**Actual:** **188 ft.**

**Focus Map:** **5**

SPILLS:

| | |
|---|---|
| Name: | Not reported |
| Address: | EAST OF RUNWAY 16R |
| City,State,Zip: | MANASSAS, VA |
| City,State,Zip: | MANASSAS, VA |
| Fips City/County: | 683/Manassas City |
| Status: | Closed |
| Reference Id: | 256093 |
| IR Number: | 2004-N-0200 |
| Associated IR: | Not reported |
| Incident Date: | 09/02/2003 |
| Call Received Date: | 09/02/2003 |
| Closure Comments: | See Site Comments for details |
| Threat To: | Not reported |
| Terrorism (Y/N): | NO |

**MANASSAS REGIONAL AIRPORT (Continued)** **S106241006**

| | |
|---|---|
| Characterize Incident: | Not reported |
| Incident Type: | Petroleum(Petroleum) |
| Incident Subtype: | Petroleum |
| Materials: | Oil (Fuel-Aviation) |
| Effect To Receptor: | Not reported |
| Water Body: | Not reported |
| Low Quantity To Water: | Not reported |
| High Quantity To Water: | Not reported |
| Quantity Units: | Not reported |
| Other Receptors: | Land |
| RP Company: | Richard Hill |
| RP Name: | Not reported |
| Property Owner: | Not reported |
| Property Company: | Not reported |
| Duration Of Event (Hrs): | Not reported |
| Impacts: | Not reported |
| Other Impacts: | Not reported |
| Steps Taken: | Not reported |
| Steps Taken Description: | Not reported |
| System Components: | Not reported |
| Other System Components: | Not reported |
| Cause Of Event: | Not reported |
| Corrective Action Taken: | Not reported |
| Weather Status: | No |
| Precipitation (Wet): | Not reported |
| Discharge Type: | Not reported |
| Discharge Volume: | Not reported |
| Unknown Discharge (Y/N): | NO |
| Site Name: | MANASSAS REGIONAL AIRPORT |
| Closure Date: | 09/03/2003 |
| Orig. Call Incident Description: | Plane crash on take off, both wings sheared off, on land, no waters. |
| Original Call Material Description: | AV gas (Qty=65) |
| Original Call Location Description: | Manassas Regional Airport-East of runway 16R-Manassas-VA--Manassas City |
| Incident Ongoing at time of Call: | No |
| Agencies Notified (Y/N): | NO |
| Other Agencies: | Not reported |
| Permitted (Y/N): | No |
| Call Reported By Company Name: | Not reported |
| Call Property Owner Company Name: | Not reported |
| Call Property Owner Name: | Not reported |
| Site Summary: | Not reported |

SPILLS NO:

| | |
|---|---|
| Region: | NO |
| Id: | Not reported |
| Incident Summary: | Not reported |
| Date In: | 9/2/2003 |
| Date Closed: | 9/3/2003 |
| Pollution Type: | Not reported |
| Responsible Party: | Not reported |
| **Facility Status:** | **Not reported** |
| Owner: | Not reported |
| Facility Contact: | Not reported |
| Facility Permitted: | 0 |
| Facility Telephone: | Not reported |
| Time In: | 11:34:00 AM |

**MANASSAS REGIONAL AIRPORT (Continued)** **S106241006**

| | |
|---|---|
| Reported By Name: | Richard Hill |
| Reported By Telephone: | Not reported |
| Reported By Affiliation/Addr: | Not reported |
| Incident Response IR #: | 2004-N-0200 |
| Responsible Party Address: | Not reported |
| Responsible Party City: | Not reported |
| Responsible Party State: | Not reported |
| Responsible Party Zip: | Not reported |
| Responsible Party Contact: | Not reported |
| Responsible Party Telephone: | Not reported |
| Owner Name: | Not reported |
| Owner Address: | Not reported |
| Owner City: | Not reported |
| Owner State: | Not reported |
| Owner Zip: | Not reported |
| Owner Contact: | Not reported |
| Owner Telephone: | Not reported |
| Incident Date: | 9/2/2003 |
| Incident Time: | Not reported |
| Petroleum: | -1 |
| Solid Waste: | 0 |
| Hazardous Waste: | 0 |
| Water: | 0 |
| Air: | 0 |
| Sewage: | 0 |
| Fish Kill: | 0 |
| Threat Wetlands: | 0 |
| Wetlands: | 0 |
| Material Released: | AV gas |
| Possible Receptors: | land |
| Quantity Released: | 65 |
| Unit Released: | gallons |
| Quantity In Water: | 0 |
| Receiving Waters: | Not reported |
| River Basin: | Not reported |
| Inspection Date: | Not reported |
| Call Date: | Not reported |
| Inspector: | PZG |
| Response Due: | Not reported |
| Response Received Date: | Not reported |
| Visit Needed: | 0 |
| Open: | 0 |
| Air Referral Date: | Not reported |
| Air Reg/ Permit Number: | Not reported |
| Waste Referral Date: | Not reported |
| Epa Id Or Permit Number: | Not reported |
| Water Referral Date: | Not reported |
| Water Permit Number: | Not reported |
| Remediation Referral Date: | Not reported |
| Remediation Pc Number: | Not reported |
| Enforcement Referral Date: | Not reported |
| Nov Number: | Not reported |
| Pc Number: | Not reported |
| Receive By: | Not reported |
| Case Officer: | Not reported |
| Case Type: | Not reported |
| Street Address: | Not reported |

**MANASSAS REGIONAL AIRPORT (Continued)** **S106241006**

| | |
|---|---|
| Polllutant: | Not reported |
| Impact: | Not reported |
| Spill Time: | Not reported |
| Spill Date: | Not reported |
| Spill Volume: | Not reported |
| Measure: | Not reported |
| Volume In Water: | Not reported |
| Stream Name: | Not reported |
| Investigation Date: | Not reported |
| Closure Date: | Not reported |
| Lab Results: | Not reported |
| Target Date: | Not reported |
| Prep Number: | Not reported |
| Report Date: | Not reported |
| Report Time: | Not reported |
| Pollutant Scr: | Not reported |
| Volume: | Not reported |
| Volume Esc: | Not reported |
| Future Recommendations: | Not reported |
| Stream Code: | Not reported |
| Visit Date: | Not reported |
| Lab Date: | Not reported |
| File Close Date: | Not reported |
| Prep Copy: | Not reported |
| City: | Not reported |
| Incident Summary: | Plane crash on take off, both wings sheared off, on land, no waters. |
| Reported: | Not reported |
| Results: | Not reported |
| Inspection Comments: | Atlantic Env. Doing clean up - experimental plane, FAA investigating. Channel 7 and 5 and paper all on site. |
| Remarks: | Not reported |

SPILLS:

| | |
|---|---|
| Name: | Not reported |
| Address: | EAST OF RUNWAY 16R |
| City,State,Zip: | MANASSAS, VA |
| City,State,Zip: | MANASSAS, VA |
| Fips City/County: | 683/Manassas City |
| Status: | Closed |
| Reference Id: | 256093 |
| IR Number: | 2004-N-0200 |
| Associated IR: | Not reported |
| Incident Date: | 09/02/2003 |
| Call Received Date: | 09/02/2003 |
| Closure Comments: | See Site Comments for details |
| Threat To: | Not reported |
| Terrorism (Y/N): | NO |
| Characterize Incident: | Not reported |
| Incident Type: | Petroleum(Petroleum) |
| Incident Subtype: | Petroleum |
| Materials: | Oil (Fuel-Aviation) |
| Effect To Receptor: | Not reported |
| Water Body: | Not reported |
| Low Quantity To Water: | Not reported |
| High Quantity To Water: | Not reported |
| Quantity Units: | Not reported |
| Other Receptors: | Land |

**MANASSAS REGIONAL AIRPORT (Continued)** **S106241006**

| | |
|---|---|
| RP Company: | Richard Hill |
| RP Name: | Not reported |
| Property Owner: | Not reported |
| Property Company: | Not reported |
| Duration Of Event (Hrs): | Not reported |
| Impacts: | Not reported |
| Other Impacts: | Not reported |
| Steps Taken: | Not reported |
| Steps Taken Description: | Not reported |
| System Components: | Not reported |
| Other System Components: | Not reported |
| Cause Of Event: | Not reported |
| Corrective Action Taken: | Not reported |
| Weather Status: | No |
| Precipitation (Wet): | Not reported |
| Discharge Type: | Not reported |
| Discharge Volume: | Not reported |
| Unknown Discharge (Y/N): | NO |
| Site Name: | MANASSAS REGIONAL AIRPORT |
| Closure Date: | 09/03/2003 |
| Orig. Call Incident Description: | Plane crash on take off, both wings sheared off, on land, no waters. |
| Original Call Material Description: | AV gas (Qty=65) |
| Original Call Location Description: | Manassas Regional Airport-East of runway 16R-Manassas-VA--Manassas City |
| Incident Ongoing at time of Call: | No |
| Agencies Notified (Y/N): | NO |
| Other Agencies: | Not reported |
| Permitted (Y/N): | No |
| Call Reported By Company Name: | Not reported |
| Call Property Owner Company Name: | Not reported |
| Call Property Owner Name: | Not reported |
| Site Summary: | Not reported |

SPILLS NO:

| | |
|---|---|
| Region: | NO |
| Id: | Not reported |
| Incident Summary: | Not reported |
| Date In: | 9/2/2003 |
| Date Closed: | 9/3/2003 |
| Pollution Type: | Not reported |
| Responsible Party: | Not reported |
| **Facility Status:** | **Not reported** |
| Owner: | Not reported |
| Facility Contact: | Not reported |
| Facility Permitted: | 0 |
| Facility Telephone: | Not reported |
| Time In: | 11:34:00 AM |
| Reported By Name: | Richard Hill |
| Reported By Telephone: | Not reported |
| Reported By Affiliation/Addr: | Not reported |
| Incident Response IR #: | 2004-N-0200 |
| Responsible Party Address: | Not reported |
| Responsible Party City: | Not reported |
| Responsible Party State: | Not reported |
| Responsible Party Zip: | Not reported |
| Responsible Party Contact: | Not reported |
| Responsible Party Telephone: | Not reported |

**MANASSAS REGIONAL AIRPORT (Continued)** **S106241006**

| | |
|---|---|
| Owner Name: | Not reported |
| Owner Address: | Not reported |
| Owner City: | Not reported |
| Owner State: | Not reported |
| Owner Zip: | Not reported |
| Owner Contact: | Not reported |
| Owner Telephone: | Not reported |
| Incident Date: | 9/2/2003 |
| Incident Time: | Not reported |
| Petroleum: | -1 |
| Solid Waste: | 0 |
| Hazardous Waste: | 0 |
| Water: | 0 |
| Air: | 0 |
| Sewage: | 0 |
| Fish Kill: | 0 |
| Threat Wetlands: | 0 |
| Wetlands: | 0 |
| Material Released: | AV gas |
| Possible Receptors: | land |
| Quantity Released: | 65 |
| Unit Released: | gallons |
| Quantity In Water: | 0 |
| Receiving Waters: | Not reported |
| River Basin: | Not reported |
| Inspection Date: | Not reported |
| Call Date: | Not reported |
| Inspector: | PZG |
| Response Due: | Not reported |
| Response Received Date: | Not reported |
| Visit Needed: | 0 |
| Open: | 0 |
| Air Referral Date: | Not reported |
| Air Reg/ Permit Number: | Not reported |
| Waste Referral Date: | Not reported |
| Epa Id Or Permit Number: | Not reported |
| Water Referral Date: | Not reported |
| Water Permit Number: | Not reported |
| Remediation Referral Date: | Not reported |
| Remediation Pc Number: | Not reported |
| Enforcement Referral Date: | Not reported |
| Nov Number: | Not reported |
| Pc Number: | Not reported |
| Receive By: | Not reported |
| Case Officer: | Not reported |
| Case Type: | Not reported |
| Street Address: | Not reported |
| Polllutant: | Not reported |
| Impact: | Not reported |
| Spill Time: | Not reported |
| Spill Date: | Not reported |
| Spill Volume: | Not reported |
| Measure: | Not reported |
| Volume In Water: | Not reported |
| Stream Name: | Not reported |
| Investigation Date: | Not reported |
| Closure Date: | Not reported |

**MANASSAS REGIONAL AIRPORT (Continued)** **S106241006**

| | |
|---|---|
| Lab Results: | Not reported |
| Target Date: | Not reported |
| Prep Number: | Not reported |
| Report Date: | Not reported |
| Report Time: | Not reported |
| Pollutant Scr: | Not reported |
| Volume: | Not reported |
| Volume Esc: | Not reported |
| Future Recommendations: | Not reported |
| Stream Code: | Not reported |
| Visit Date: | Not reported |
| Lab Date: | Not reported |
| File Close Date: | Not reported |
| Prep Copy: | Not reported |
| City: | Not reported |
| Incident Summary: | Plane crash on take off, both wings sheared off, on land, no waters. |
| Reported: | Not reported |
| Results: | Not reported |
| Inspection Comments: | Atlantic Env. Doing clean up - experimental plane, FAA investigating. Channel 7 and 5 and paper all on site. |
| Remarks: | Not reported |

---

**G36** **MANASSAS REGIONAL AIRPORT TAXIWAY G** **US AIRS** **1017783338**
**Target** **10600 HARRY J PARISH BLVD** **FINDS** **N/A**
**Property** **MANASSAS, VA 20110**

**Site 1 of 5 in cluster G**

**Actual:**
**171 ft.**

**Focus Map:**
**5**

US AIRS MINOR:

| | |
|---|---|
| Envid: | 1017783338 |
| Region Code: | 03 |
| Programmatic ID: | AIR VA0000005115300023 |
| Facility Registry ID: | 110007008095 |
| D and B Number: | Not reported |
| Primary SIC Code: | 4581 |
| NAICS Code: | 488119 |
| Default Air Classification Code: | MIN |
| Facility Type of Ownership Code: | POF |
| Air CMS Category Code: | Not reported |
| HPV Status: | Not reported |

US AIRS MINOR:

| | |
|---|---|
| Region Code: | 03 |
| Programmatic ID: | AIR VA0000005115300023 |
| Facility Registry ID: | 110007008095 |
| Air Operating Status Code: | OPR |
| Default Air Classification Code: | MIN |
| Air Program: | State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards |
| Activity Date: | 1993-08-02 00:00:00 |
| Activity Status Date: | Not reported |
| Activity Group: | Compliance Monitoring |
| Activity Type: | Inspection/Evaluation |
| Activity Status: | Not reported |

| | |
|---|---|
| Region Code: | 03 |
| Programmatic ID: | AIR VA0000005115300023 |
| Facility Registry ID: | 110007008095 |
| Air Operating Status Code: | OPR |

**MANASSAS REGIONAL AIRPORT TAXIWAY G (Continued)** **1017783338**

Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1994-08-11 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR VA0000005115300023
Facility Registry ID: 110007008095
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1996-09-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR VA0000005115300023
Facility Registry ID: 110007008095
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1997-06-23 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR VA0000005115300023
Facility Registry ID: 110007008095
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1998-04-16 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR VA0000005115300023
Facility Registry ID: 110007008095
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1998-07-17 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03

**MANASSAS REGIONAL AIRPORT TAXIWAY G (Continued)** **1017783338**

Programmatic ID: AIR VA0000005115300023
Facility Registry ID: 110007008095
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1999-08-25 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR VA0000005115300023
Facility Registry ID: 110007008095
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2001-05-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR VA0000005115300023
Facility Registry ID: 110007008095
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2002-05-24 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR VA0000005115300023
Facility Registry ID: 110007008095
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2003-05-20 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR VA0000005115300023
Facility Registry ID: 110007008095
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2004-08-10 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation

**MANASSAS REGIONAL AIRPORT TAXIWAY G (Continued)** **1017783338**

Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR VA0000005115300023
Facility Registry ID: 110007008095
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2007-07-19 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR VA0000005115300023
Facility Registry ID: 110007008095
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2007-08-08 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR VA0000005115300023
Facility Registry ID: 110007008095
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2009-03-20 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR VA0000005115300023
Facility Registry ID: 110007008095
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2009-05-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR VA0000005115300023
Facility Registry ID: 110007008095
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2011-03-04 00:00:00

**MANASSAS REGIONAL AIRPORT TAXIWAY G (Continued)** **1017783338**

Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

FINDS:
Registry ID: 110007008095

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
ICIS-Air (AIR) AIR is the modernization of the Air Facility System (AFS) into the Integrated Compliance Information System (ICIS). AIR contains enforcement, compliance, and permit data for stationary sources of air pollution regulated by the EPA, State, and Local air pollution agencies.
The Air Facility System (AFS) contains compliance and permit data for stationary sources of air pollution regulated by the EPA, state, and local air pollution agencies.
The National Pollutant Discharge Elimination System (NPDES) module of the Integrated Compliance Information System (ICIS). Under NPDES, all facilities that discharge pollutants from any point source into waters of the United States are required to obtain a permit. The permit will likely contain limits on what can be discharged, impose monitoring and reporting requirements, and include other provisions to ensure that the discharge does not adversely affect water quality.
The Comprehensive Environmental Data System (CEDS) is the Virginia Department of Environmental Quality's (DEQ) electronic data system for maintaining data on sources of pollutants in all media.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

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**G37** **MANASSAS REGIONAL AIRPORT** **VA SPILLS** **S127391541**
**Target** **10600 HARRY J PARRISH BLVD** **VA TIER 2** **N/A**
**Property** **MANASSAS, VA 20110**

**Site 2 of 5 in cluster G**

**Actual:** **171 ft.**
**Focus Map:** **5**

SPILLS:
Name: MANASSAS REGIONAL AIRPORT
Address: 10600 HARRY J PARRISH BLVD
City,State,Zip: MANASSAS, VA 20110
City,State,Zip: MANASSAS, VA 20110
Fips City/County: 683/Manassas City
Status: Closed
Reference Id: 310422
IR Number: Not reported
Associated IR: Not reported
Incident Date: 08/07/2023
Call Received Date: 08/09/2023
Closure Comments: Appropriate compliance actions completed and verified by DEQ. Small fuel spill (<25 gals) Spill contained/cleaned by airport staff No surface water impacts
Threat To: Non-Commercial Vehicle
Terrorism (Y/N): Not reported
Characterize Incident: Petroleum
Incident Type: Pollutant Discharge to Land(PDL)

**MANASSAS REGIONAL AIRPORT (Continued)** **S127391541**

| | |
|---|---|
| Incident Subtype: | Not reported |
| Materials: | Aviation fuel |
| Effect To Receptor: | Not reported |
| Water Body: | Not reported |
| Low Quantity To Water: | Not reported |
| High Quantity To Water: | Not reported |
| Quantity Units: | Not reported |
| Other Receptors: | spill to tarmac only |
| RP Company: | Manassas Regional Airport |
| RP Name: | RobertHepp |
| Property Owner: | Not reported |
| Property Company: | Not reported |
| Duration Of Event (Hrs): | Not reported |
| Impacts: | Not reported |
| Other Impacts: | Not reported |
| Steps Taken: | Not reported |
| Steps Taken Description: | Not reported |
| System Components: | Not reported |
| Other System Components: | Not reported |
| Cause Of Event: | Not reported |
| Corrective Action Taken: | Not reported |
| Weather Status: | No |
| Precipitation (Wet): | Not reported |
| Discharge Type: | Not reported |
| Discharge Volume: | Not reported |
| Unknown Discharge (Y/N): | Not reported |
| Site Name: | AVIATION FUEL SPILL - AVIATION ADVENTURES (FLYING SCHOOL) |
| Closure Date: | 08/24/2023 |
| Orig. Call Incident Description: | Aircraft Fuel Spill |
| Original Call Material Description: | Not reported |
| Original Call Location Description: | East Ramp - Aircraft Tie-Downs |
| Incident Ongoing at time of Call: | No |
| Agencies Notified (Y/N): | Not reported |
| Other Agencies: | Local 911, Local Fire/EMS, Local Government |
| Permitted (Y/N): | Yes |
| Call Reported By Company Name: | Aviation Adventures |
| Call Property Owner Company Name: | Not reported |
| Call Property Owner Name: | Not reported |
| Site Summary: | Aircraft Fuel Spill due to heavy winds flipping aircraft while tied down. Airport staff placed absorbent booms and pellets to contain spill to tarmac. |

TIER 2:

| | |
|---|---|
| Name: | MANASSAS REGIONAL AIRPORT |
| Address: | 10600 HARRY J PARRISH BLVD |
| City,State,Zip: | MANASSAS, VA 20110 |
| Facility ID: | 7070425 |
| CAS Number: | 86290815 |
| SIC Code: | Not reported |
| NAICS: | Not reported |
| Entered Chemical Name: | Aviation Gasoline |
| Average Amt Code: | 24,999 |
| Owner Name: | Manassas Regional Airport |
| Owner Phone: | Not reported |
| Contact Type: | Emergency Coordinator |
| Contact Information: | Name: Jolene Berry Contact Type: Fac. Emergency Coordinator Email: jberry@manassasva.gov 24-hour Phone :703-361-5488 Work Phone |

**MANASSAS REGIONAL AIRPORT (Continued)** **S127391541**

| | |
|---|---|
| | :703-257-8279 |
| Filing Year: | 2019(Tier2) |
| | |
| Name: | MANASSAS REGIONAL AIRPORT |
| Address: | 10600 HARRY J PARRISH BLVD |
| City,State,Zip: | MANASSAS, VA 20110 |
| Facility ID: | 7070425 |
| CAS Number: | Not reported |
| SIC Code: | Not reported |
| NAICS: | Not reported |
| Entered Chemical Name: | JetA |
| Average Amt Code: | 99,999 |
| Owner Name: | Manassas Regional Airport |
| Owner Phone: | Not reported |
| Contact Type: | Emergency Coordinator |
| Contact Information: | Name: Jolene Berry Contact Type: Fac. Emergency Coordinator Email: jberry@manassasva.gov 24-hour Phone :703-361-5488 Work Phone :703-257-8279 |
| Filing Year: | 2019(Tier2) |
| | |
| Name: | MANASSAS REGIONAL AIRPORT |
| Address: | 10600 HARRY J PARRISH BLVD |
| City,State,Zip: | MANASSAS, VA 20110 |
| Facility ID: | 7070425 |
| CAS Number: | 8008206 |
| SIC Code: | Not reported |
| NAICS: | Not reported |
| Entered Chemical Name: | KeroSine |
| Average Amt Code: | 74,999 |
| Owner Name: | Manassas Regional Airport |
| Owner Phone: | Not reported |
| Contact Type: | Emergency Coordinator |
| Contact Information: | Name: Jolene Berry Contact Type: Fac. Emergency Coordinator Email: jberry@manassasva.gov 24-hour Phone :703-361-5488 Work Phone :703-257-8279 |
| Filing Year: | 2019(Tier2) |
| | |
| Name: | MANASSAS REGIONAL AIRPORT |
| Address: | 10600 HARRY J PARRISH BLVD |
| City,State,Zip: | MANASSAS, VA 20110 |
| Facility ID: | 7070425 |
| CAS Number: | Not reported |
| SIC Code: | Not reported |
| NAICS: | Not reported |
| Entered Chemical Name: | Kerosine, Hydrodesulfurized |
| Average Amt Code: | 74,999 |
| Owner Name: | Manassas Regional Airport |
| Owner Phone: | Not reported |
| Contact Type: | Emergency Coordinator |
| Contact Information: | Name: Jolene Berry Contact Type: Fac. Emergency Coordinator Email: jberry@manassasva.gov 24-hour Phone :703-361-5488 Work Phone :703-257-8279 |
| Filing Year: | 2019(Tier2) |
| | |
| Name: | MANASSAS REGIONAL AIRPORT |
| Address: | 10600 HARRY J PARRISH BLVD |
| City,State,Zip: | MANASSAS, VA 20110 |

**MANASSAS REGIONAL AIRPORT (Continued)** **S127391541**

| | |
|---|---|
| Facility ID: | 6546503 |
| CAS Number: | 86290815 |
| SIC Code: | Not reported |
| NAICS: | Not reported |
| Entered Chemical Name: | Aviation Gasoline |
| Average Amt Code: | 24,999 |
| Owner Name: | Not reported |
| Owner Phone: | Not reported |
| Contact Type: | Not reported |
| Contact Information: | Not reported |
| Filing Year: | Not reported |

| | |
|---|---|
| Name: | MANASSAS REGIONAL AIRPORT |
| Address: | 10600 HARRY J PARRISH BLVD |
| City,State,Zip: | MANASSAS, VA 20110 |
| Facility ID: | 6546503 |
| CAS Number: | Not reported |
| SIC Code: | Not reported |
| NAICS: | Not reported |
| Entered Chemical Name: | JetA |
| Average Amt Code: | 99,999 |
| Owner Name: | Not reported |
| Owner Phone: | Not reported |
| Contact Type: | Not reported |
| Contact Information: | Not reported |
| Filing Year: | Not reported |

| | |
|---|---|
| Name: | MANASSAS REGIONAL AIRPORT |
| Address: | 10600 HARRY J PARRISH BLVD |
| City,State,Zip: | MANASSAS, VA 20110 |
| Facility ID: | 6546503 |
| CAS Number: | 8008206 |
| SIC Code: | Not reported |
| NAICS: | Not reported |
| Entered Chemical Name: | KeroSine |
| Average Amt Code: | 74,999 |
| Owner Name: | Not reported |
| Owner Phone: | Not reported |
| Contact Type: | Not reported |
| Contact Information: | Not reported |
| Filing Year: | Not reported |

| | |
|---|---|
| Name: | MANASSAS REGIONAL AIRPORT |
| Address: | 10600 HARRY J PARRISH BLVD |
| City,State,Zip: | MANASSAS, VA 20110 |
| Facility ID: | 6546503 |
| CAS Number: | Not reported |
| SIC Code: | Not reported |
| NAICS: | Not reported |
| Entered Chemical Name: | Kerosine, Hydrodesulfurized |
| Average Amt Code: | 74,999 |
| Owner Name: | Not reported |
| Owner Phone: | Not reported |
| Contact Type: | Not reported |
| Contact Information: | Not reported |
| Filing Year: | Not reported |

**MANASSAS REGIONAL AIRPORT (Continued)** **S127391541**

| | |
|---|---|
| Name: | MANASSAS REGIONAL AIRPORT |
| Address: | 10600 HARRY J PARRISH BLVD |
| City,State,Zip: | MANASSAS, VA 20110 |
| Facility ID: | 6342455 |
| CAS Number: | 86290815 |
| SIC Code: | Not reported |
| NAICS: | Not reported |
| Entered Chemical Name: | Aviation Gasoline |
| Average Amt Code: | 24999 |
| Owner Name: | Not reported |
| Owner Phone: | Not reported |
| Contact Type: | Not reported |
| Contact Information: | Not reported |
| Filing Year: | Not reported |

| | |
|---|---|
| Name: | MANASSAS REGIONAL AIRPORT |
| Address: | 10600 HARRY J PARRISH BLVD |
| City,State,Zip: | MANASSAS, VA 20110 |
| Facility ID: | 6342455 |
| CAS Number: | Not reported |
| SIC Code: | Not reported |
| NAICS: | Not reported |
| Entered Chemical Name: | JetA |
| Average Amt Code: | 99999 |
| Owner Name: | Not reported |
| Owner Phone: | Not reported |
| Contact Type: | Not reported |
| Contact Information: | Not reported |
| Filing Year: | Not reported |

| | |
|---|---|
| Name: | MANASSAS REGIONAL AIRPORT |
| Address: | 10600 HARRY J PARRISH BLVD |
| City,State,Zip: | MANASSAS, VA 20110 |
| Facility ID: | 6342455 |
| CAS Number: | 8008206 |
| SIC Code: | Not reported |
| NAICS: | Not reported |
| Entered Chemical Name: | KeroSine |
| Average Amt Code: | 74999 |
| Owner Name: | Not reported |
| Owner Phone: | Not reported |
| Contact Type: | Not reported |
| Contact Information: | Not reported |
| Filing Year: | Not reported |

| | |
|---|---|
| Name: | MANASSAS REGIONAL AIRPORT |
| Address: | 10600 HARRY J PARRISH BLVD |
| City,State,Zip: | MANASSAS, VA 20110 |
| Facility ID: | 6342455 |
| CAS Number: | Not reported |
| SIC Code: | Not reported |
| NAICS: | Not reported |
| Entered Chemical Name: | Kerosine, Hydrodesulfurized |
| Average Amt Code: | 74999 |
| Owner Name: | Not reported |
| Owner Phone: | Not reported |
| Contact Type: | Not reported |

**MANASSAS REGIONAL AIRPORT (Continued)** **S127391541**

Contact Information: Not reported
Filing Year: Not reported

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**G38** **REHABILITATE TAXIWAY B** **ECHO** **1031107334**
**Target** **10600 HARRY J. PARRISH BLVD** **N/A**
**Property** **MANASSAS, VA 20110**

**Site 3 of 5 in cluster G**

**Actual:** **171 ft.**
**Focus Map:** **5**

ECHO:
Envid: 1031107334
Registry ID: 110071670295
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110071670295
Name: REHABILITATE TAXIWAY B
Address: 10600 HARRY J. PARRISH BLVD
City,State,Zip: MANASSAS, VA 20110

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**G39** **MANASSAS REGIONAL AIRPORT RUNWAY 16R/34L REHABILIT** **FINDS** **1028122039**
**Target** **10600 HARRY J PARRISH BLVD** **ECHO** **N/A**
**Property** **MANASSAS, VA 20110**

**Site 4 of 5 in cluster G**

**Actual:** **171 ft.**
**Focus Map:** **5**

FINDS:
Registry ID: 110071503346

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
The National Pollutant Discharge Elimination System (NPDES) module of the Integrated Compliance Information System (ICIS). Under NPDES, all facilities that discharge pollutants from any point source into waters of the United States are required to obtain a permit. The permit will likely contain limits on what can be discharged, impose monitoring and reporting requirements, and include other provisions to ensure that the discharge does not adversely affect water quality.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1028122039
Registry ID: 110071503346
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110071503346
Name: MANASSAS REGIONAL AIRPORT RUNWAY 16R/34L REHABILIT
Address: 10600 HARRY J PARRISH BLVD
City,State,Zip: MANASSAS, VA 20110

**G40** **MANASSAS REGIONAL AIRPORT TAXIWAY G** **ECHO** **1006163200**
**Target** **10600 HARRY J PARISH BLVD** **N/A**
**Property** **MANASSAS, VA 20110**

**Site 5 of 5 in cluster G**

**Actual:** **171 ft.**
**Focus Map:** **5**

ECHO:

| | |
|---|---|
| Envid: | 1006163200 |
| Registry ID: | 110007008095 |
| DFR URL: | http://echo.epa.gov/detailed-facility-report?fid=110007008095 |
| Name: | MANASSAS REGIONAL AIRPORT TAXIWAY G |
| Address: | 10600 HARRY J PARISH BLVD |
| City,State,Zip: | MANASSAS, VA 20110 |

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**H41** **CITY OF MANASSAS - REGIONAL AIRPORT** **VA TIER 2** **S118191859**
**Target** **10451 WAKEMAN DRIVE** **N/A**
**Property** **MANASSAS, VA 20110**

**Site 1 of 6 in cluster H**

**Actual:** **176 ft.**
**Focus Map:** **5**

TIER 2:

| | |
|---|---|
| Name: | CITY OF MANASSAS - REGIONAL AIRPORT |
| Address: | 10451 WAKEMAN DRIVE |
| City,State,Zip: | MANASSAS, VA 20110 |
| Facility ID: | 5424747 |
| CAS Number: | 64741668 |
| SIC Code: | Not reported |
| NAICS: | Not reported |
| Entered Chemical Name: | Naptha, Light Alkylate |
| Average Amt Code: | 24999 |
| Owner Name: | Not reported |
| Owner Phone: | Not reported |
| Contact Type: | Not reported |
| Contact Information: | Not reported |
| Filing Year: | Not reported |

| | |
|---|---|
| Name: | CITY OF MANASSAS - REGIONAL AIRPORT |
| Address: | 10451 WAKEMAN DRIVE |
| City,State,Zip: | MANASSAS, VA 20110 |
| Facility ID: | 5424747 |
| CAS Number: | Not reported |
| SIC Code: | Not reported |
| NAICS: | Not reported |
| Entered Chemical Name: | Naptha, Isomerization |
| Average Amt Code: | 99999 |
| Owner Name: | Not reported |
| Owner Phone: | Not reported |
| Contact Type: | Not reported |
| Contact Information: | Not reported |
| Filing Year: | Not reported |

| | |
|---|---|
| Name: | CITY OF MANASSAS - REGIONAL AIRPORT |
| Address: | 10451 WAKEMAN DRIVE |
| City,State,Zip: | MANASSAS, VA 20110 |
| Facility ID: | 5424747 |
| CAS Number: | 108883 |
| SIC Code: | Not reported |
| NAICS: | Not reported |
| Entered Chemical Name: | TOLUENE |
| Average Amt Code: | 24999 |

**CITY OF MANASSAS - REGIONAL AIRPORT (Continued)** **S118191859**

Owner Name: Not reported
Owner Phone: Not reported
Contact Type: Not reported
Contact Information: Not reported
Filing Year: Not reported

Name: CITY OF MANASSAS - REGIONAL AIRPORT
Address: 10451 WAKEMAN DRIVE
City,State,Zip: MANASSAS, VA 20110
Facility ID: 5424747
CAS Number: Not reported
SIC Code: Not reported
NAICS: Not reported
Entered Chemical Name: Kerosine, Hydrodesulfurized
Average Amt Code: 74999
Owner Name: Not reported
Owner Phone: Not reported
Contact Type: Not reported
Contact Information: Not reported
Filing Year: Not reported

Name: CITY OF MANASSAS - REGIONAL AIRPORT
Address: 10451 WAKEMAN DRIVE
City,State,Zip: MANASSAS, VA 20110
Facility ID: 5424747
CAS Number: 8008206
SIC Code: Not reported
NAICS: Not reported
Entered Chemical Name: KEROSiNE
Average Amt Code: 74999
Owner Name: Not reported
Owner Phone: Not reported
Contact Type: Not reported
Contact Information: Not reported
Filing Year: Not reported

Name: CITY OF MANASSAS - REGIONAL AIRPORT
Address: 10451 WAKEMAN DRIVE
City,State,Zip: MANASSAS, VA 20110
Facility ID: 5424747
CAS Number: 86290815
SIC Code: Not reported
NAICS: Not reported
Entered Chemical Name: Avgas
Average Amt Code: 24999
Owner Name: Not reported
Owner Phone: Not reported
Contact Type: Not reported
Contact Information: Not reported
Filing Year: Not reported

Name: CITY OF MANASSAS - REGIONAL AIRPORT
Address: 10451 WAKEMAN DRIVE
City,State,Zip: MANASSAS, VA 20110
Facility ID: 6022414
CAS Number: 108883
SIC Code: Not reported

**CITY OF MANASSAS - REGIONAL AIRPORT (Continued)** **S118191859**

NAICS: Not reported
Entered Chemical Name: TOLUENE
Average Amt Code: 24999.0
Owner Name: Not reported
Owner Phone: Not reported
Contact Type: Not reported
Contact Information: Not reported
Filing Year: Not reported

Name: CITY OF MANASSAS - REGIONAL AIRPORT
Address: 10451 WAKEMAN DRIVE
City,State,Zip: MANASSAS, VA 20110
Facility ID: 6022414
CAS Number: Not reported
SIC Code: Not reported
NAICS: Not reported
Entered Chemical Name: Naptha, Isomerization
Average Amt Code: 99999.0
Owner Name: Not reported
Owner Phone: Not reported
Contact Type: Not reported
Contact Information: Not reported
Filing Year: Not reported

Name: CITY OF MANASSAS - REGIONAL AIRPORT
Address: 10451 WAKEMAN DRIVE
City,State,Zip: MANASSAS, VA 20110
Facility ID: 6022414
CAS Number: Not reported
SIC Code: Not reported
NAICS: Not reported
Entered Chemical Name: Kerosine, Hydrodesulfurized
Average Amt Code: 74999.0
Owner Name: Not reported
Owner Phone: Not reported
Contact Type: Not reported
Contact Information: Not reported
Filing Year: Not reported

Name: CITY OF MANASSAS - REGIONAL AIRPORT
Address: 10451 WAKEMAN DRIVE
City,State,Zip: MANASSAS, VA 20110
Facility ID: 6022414
CAS Number: 86290815
SIC Code: Not reported
NAICS: Not reported
Entered Chemical Name: Avgas
Average Amt Code: 24999.0
Owner Name: Not reported
Owner Phone: Not reported
Contact Type: Not reported
Contact Information: Not reported
Filing Year: Not reported

Name: CITY OF MANASSAS - REGIONAL AIRPORT
Address: 10451 WAKEMAN DRIVE
City,State,Zip: MANASSAS, VA 20110

**CITY OF MANASSAS - REGIONAL AIRPORT (Continued)** **S118191859**

| | |
|---|---|
| Facility ID: | 6022414 |
| CAS Number: | 64741668 |
| SIC Code: | Not reported |
| NAICS: | Not reported |
| Entered Chemical Name: | Naptha, Light Alkylate |
| Average Amt Code: | 24999.0 |
| Owner Name: | Not reported |
| Owner Phone: | Not reported |
| Contact Type: | Not reported |
| Contact Information: | Not reported |
| Filing Year: | Not reported |

| | |
|---|---|
| Name: | CITY OF MANASSAS - REGIONAL AIRPORT |
| Address: | 10451 WAKEMAN DRIVE |
| City,State,Zip: | MANASSAS, VA 20110 |
| Facility ID: | 5424747 |
| CAS Number: | 108883 |
| SIC Code: | Not reported |
| NAICS: | Not reported |
| Entered Chemical Name: | TOLUENE |
| Average Amt Code: | 24999.0 |
| Owner Name: | Not reported |
| Owner Phone: | Not reported |
| Contact Type: | Not reported |
| Contact Information: | Not reported |
| Filing Year: | Not reported |

| | |
|---|---|
| Name: | CITY OF MANASSAS - REGIONAL AIRPORT |
| Address: | 10451 WAKEMAN DRIVE |
| City,State,Zip: | MANASSAS, VA 20110 |
| Facility ID: | 5424747 |
| CAS Number: | 64741668 |
| SIC Code: | Not reported |
| NAICS: | Not reported |
| Entered Chemical Name: | Naptha, Light Alkylate |
| Average Amt Code: | 24999.0 |
| Owner Name: | Not reported |
| Owner Phone: | Not reported |
| Contact Type: | Not reported |
| Contact Information: | Not reported |
| Filing Year: | Not reported |

| | |
|---|---|
| Name: | CITY OF MANASSAS - REGIONAL AIRPORT |
| Address: | 10451 WAKEMAN DRIVE |
| City,State,Zip: | MANASSAS, VA 20110 |
| Facility ID: | 5424747 |
| CAS Number: | Not reported |
| SIC Code: | Not reported |
| NAICS: | Not reported |
| Entered Chemical Name: | Kerosine, Hydrodesulfurized |
| Average Amt Code: | 74999.0 |
| Owner Name: | Not reported |
| Owner Phone: | Not reported |
| Contact Type: | Not reported |
| Contact Information: | Not reported |
| Filing Year: | Not reported |

**CITY OF MANASSAS - REGIONAL AIRPORT (Continued)** **S118191859**

| | |
|---|---|
| Name: | CITY OF MANASSAS - REGIONAL AIRPORT |
| Address: | 10451 WAKEMAN DRIVE |
| City,State,Zip: | MANASSAS, VA 20110 |
| Facility ID: | 5424747 |
| CAS Number: | Not reported |
| SIC Code: | Not reported |
| NAICS: | Not reported |
| Entered Chemical Name: | Naptha, Isomerization |
| Average Amt Code: | 99999.0 |
| Owner Name: | Not reported |
| Owner Phone: | Not reported |
| Contact Type: | Not reported |
| Contact Information: | Not reported |
| Filing Year: | Not reported |

| | |
|---|---|
| Name: | CITY OF MANASSAS - REGIONAL AIRPORT |
| Address: | 10451 WAKEMAN DRIVE |
| City,State,Zip: | MANASSAS, VA 20110 |
| Facility ID: | 5424747 |
| CAS Number: | 8008206 |
| SIC Code: | Not reported |
| NAICS: | Not reported |
| Entered Chemical Name: | KEROSiNE |
| Average Amt Code: | 74999.0 |
| Owner Name: | Not reported |
| Owner Phone: | Not reported |
| Contact Type: | Not reported |
| Contact Information: | Not reported |
| Filing Year: | Not reported |

| | |
|---|---|
| Name: | CITY OF MANASSAS - REGIONAL AIRPORT |
| Address: | 10451 WAKEMAN DRIVE |
| City,State,Zip: | MANASSAS, VA 20110 |
| Facility ID: | 5424747 |
| CAS Number: | 86290815 |
| SIC Code: | Not reported |
| NAICS: | Not reported |
| Entered Chemical Name: | Avgas |
| Average Amt Code: | 24999.0 |
| Owner Name: | Not reported |
| Owner Phone: | Not reported |
| Contact Type: | Not reported |
| Contact Information: | Not reported |
| Filing Year: | Not reported |

| | |
|---|---|
| Name: | CITY OF MANASSAS - REGIONAL AIRPORT |
| Address: | 10451 WAKEMAN DRIVE |
| City,State,Zip: | MANASSAS, VA 20110 |
| Facility ID: | 6191274 |
| CAS Number: | 86290815 |
| SIC Code: | Not reported |
| NAICS: | Not reported |
| Entered Chemical Name: | Avgas |
| Average Amt Code: | 24,999 |
| Owner Name: | Not reported |
| Owner Phone: | Not reported |
| Contact Type: | Not reported |

**CITY OF MANASSAS - REGIONAL AIRPORT (Continued)** **S118191859**

| | |
|---|---|
| Contact Information: | Not reported |
| Filing Year: | Not reported |
| | |
| Name: | CITY OF MANASSAS - REGIONAL AIRPORT |
| Address: | 10451 WAKEMAN DRIVE |
| City,State,Zip: | MANASSAS, VA 20110 |
| Facility ID: | 6191274 |
| CAS Number: | Not reported |
| SIC Code: | Not reported |
| NAICS: | Not reported |
| Entered Chemical Name: | Kerosine, Hydrodesulfurized |
| Average Amt Code: | 74,999 |
| Owner Name: | Not reported |
| Owner Phone: | Not reported |
| Contact Type: | Not reported |
| Contact Information: | Not reported |
| Filing Year: | Not reported |
| | |
| Name: | CITY OF MANASSAS - REGIONAL AIRPORT |
| Address: | 10451 WAKEMAN DRIVE |
| City,State,Zip: | MANASSAS, VA 20110 |
| Facility ID: | Not reported |
| CAS Number: | 64741668 |
| SIC Code: | Not reported |
| NAICS: | Not reported |
| Entered Chemical Name: | Naptha, Light Alkylate |
| Average Amt Code: | 24999.0 |
| Owner Name: | Not reported |
| Owner Phone: | Not reported |
| Contact Type: | Not reported |
| Contact Information: | Not reported |
| Filing Year: | Not reported |
| | |
| Name: | CITY OF MANASSAS - REGIONAL AIRPORT |
| Address: | 10451 WAKEMAN DRIVE |
| City,State,Zip: | MANASSAS, VA 20110 |
| Facility ID: | Not reported |
| CAS Number: | 108883 |
| SIC Code: | Not reported |
| NAICS: | Not reported |
| Entered Chemical Name: | TOLUENE |
| Average Amt Code: | 24999.0 |
| Owner Name: | Not reported |
| Owner Phone: | Not reported |
| Contact Type: | Not reported |
| Contact Information: | Not reported |
| Filing Year: | Not reported |
| | |
| Name: | CITY OF MANASSAS - REGIONAL AIRPORT |
| Address: | 10451 WAKEMAN DRIVE |
| City,State,Zip: | MANASSAS, VA 20110 |
| Facility ID: | Not reported |
| CAS Number: | Not reported |
| SIC Code: | Not reported |
| NAICS: | Not reported |
| Entered Chemical Name: | Naptha, Isomerization |
| Average Amt Code: | 99999.0 |

**CITY OF MANASSAS - REGIONAL AIRPORT (Continued)** **S118191859**

| | |
|---|---|
| Owner Name: | Not reported |
| Owner Phone: | Not reported |
| Contact Type: | Not reported |
| Contact Information: | Not reported |
| Filing Year: | Not reported |

| | |
|---|---|
| Name: | CITY OF MANASSAS - REGIONAL AIRPORT |
| Address: | 10451 WAKEMAN DRIVE |
| City,State,Zip: | MANASSAS, VA 20110 |
| Facility ID: | Not reported |
| CAS Number: | Not reported |
| SIC Code: | Not reported |
| NAICS: | Not reported |
| Entered Chemical Name: | Kerosine, Hydrodesulfurized |
| Average Amt Code: | 74999.0 |
| Owner Name: | Not reported |
| Owner Phone: | Not reported |
| Contact Type: | Not reported |
| Contact Information: | Not reported |
| Filing Year: | Not reported |

| | |
|---|---|
| Name: | CITY OF MANASSAS - REGIONAL AIRPORT |
| Address: | 10451 WAKEMAN DRIVE |
| City,State,Zip: | MANASSAS, VA 20110 |
| Facility ID: | Not reported |
| CAS Number: | 8008206 |
| SIC Code: | Not reported |
| NAICS: | Not reported |
| Entered Chemical Name: | KEROSiNE |
| Average Amt Code: | 74999.0 |
| Owner Name: | Not reported |
| Owner Phone: | Not reported |
| Contact Type: | Not reported |
| Contact Information: | Not reported |
| Filing Year: | Not reported |

| | |
|---|---|
| Name: | CITY OF MANASSAS - REGIONAL AIRPORT |
| Address: | 10451 WAKEMAN DRIVE |
| City,State,Zip: | MANASSAS, VA 20110 |
| Facility ID: | Not reported |
| CAS Number: | 86290815 |
| SIC Code: | Not reported |
| NAICS: | Not reported |
| Entered Chemical Name: | Avgas |
| Average Amt Code: | 24999.0 |
| Owner Name: | Not reported |
| Owner Phone: | Not reported |
| Contact Type: | Not reported |
| Contact Information: | Not reported |
| Filing Year: | Not reported |

**H42** **MANASSAS REGIONAL AIRPORT** **VA AST** **A100204553**
**Target** **10451 WAKEMAN DR** **N/A**
**Property** **MANASSAS, VA 20110**

**Site 2 of 6 in cluster H**

**Actual:** **176 ft.**

**Focus Map:** **5**

AST:

| | |
|---|---|
| Facility ID: | 3038736 |
| Facility Type: | AIRLINE |
| CEDS Facility ID: | 2E+11 |

Tank Info:

Owner:

| | |
|---|---|
| Owner Id: | 41093 |
| Owner Name: | Jet Services Incorporated |
| Owner Address: | 9998 Wakeman Dr |
| Owner Address2: | Not reported |
| Owner City/State/Zip: | Manassas, VA 20110 |
| Owner Type: | COMMERCIAL |
| Number of Active AST: | 10 |
| Number of Active UST: | 0 |
| Number of Inactive AST: | 1 |
| Number of Inactive UST: | 0 |

| | |
|---|---|
| Owner Id: | 42776 |
| Owner Name: | Dulles Aviation Incorporated |
| Owner Address: | 10501 Observation Rd |
| Owner Address2: | Not reported |
| Owner City/State/Zip: | Manassas, VA 20110 |
| Owner Type: | COMMERCIAL |
| Number of Active AST: | 10 |
| Number of Active UST: | 0 |
| Number of Inactive AST: | 1 |
| Number of Inactive UST: | 0 |

| | |
|---|---|
| Owner Id: | 42777 |
| Owner Name: | FlightWorks |
| Owner Address: | 600 Town Park Ln Ste 550 |
| Owner Address2: | Not reported |
| Owner City/State/Zip: | Kennesaw, GA 30144 |
| Owner Type: | PRIVATE |
| Number of Active AST: | 10 |
| Number of Active UST: | 0 |
| Number of Inactive AST: | 1 |
| Number of Inactive UST: | 0 |

| | |
|---|---|
| Owner Id: | 42779 |
| Owner Name: | M J Colgan Associates |
| Owner Address: | 5418 Ancestry Ct |
| Owner Address2: | Not reported |
| Owner City/State/Zip: | Gainesville, VA 20155 |
| Owner Type: | COMMERCIAL |
| Number of Active AST: | 10 |
| Number of Active UST: | 0 |
| Number of Inactive AST: | 1 |
| Number of Inactive UST: | 0 |

| | |
|---|---|
| Owner Id: | 43640 |
| Owner Name: | Chantilly Air Incorporated |

**MANASSAS REGIONAL AIRPORT (Continued)** **A100204553**

| | |
|---|---|
| Owner Address: | 10660 Skyview Terrace |
| Owner Address2: | Not reported |
| Owner City/State/Zip: | Manassas, VA 20110 |
| Owner Type: | COMMERCIAL |
| Number of Active AST: | 10 |
| Number of Active UST: | 0 |
| Number of Inactive AST: | 1 |
| Number of Inactive UST: | 0 |
| | |
| Owner Id: | 48850 |
| Owner Name: | Manassas FBO LLC dba APP Jet Center Manassas |
| Owner Address: | 9998 Wakeman Dr |
| Owner Address2: | Not reported |
| Owner City/State/Zip: | Manassas, VA 20110 |
| Owner Type: | COMMERCIAL |
| Number of Active AST: | 10 |
| Number of Active UST: | 0 |
| Number of Inactive AST: | 1 |
| Number of Inactive UST: | 0 |
| | |
| Fed Regulated: | No |
| Tank Number: | T001 |
| Tank Type: | AST |
| Tank Capacity: | 12000 |
| Tank Contents: | JET FUEL |
| Tank Status: | CURR IN USE |
| Install Date: | Not reported |
| Date Closed: | Not reported |

Tank Containment:

| | |
|---|---|
| Install Date: | Not reported |
| Containment: Curbing | No |
| Containment: Weirs | No |
| Containment: Sorbent | No |
| Containment: Culvert | No |
| Containment: Diversion | No |
| Containment: Retention | No |
| Containment: Dike | Yes |
| Containment: Unknown | No |
| Containment: Other | No |
| Containment: Other Note | Not reported |

Release Detection:

| | |
|---|---|
| Release Detection: Ground Water | No |
| Release Detection: Visual | Yes |
| Release Detection: Vapor | No |
| Release Detection: Interstitial | No |
| Release Detection: None | No |
| Release Detection: Other | No |
| Release Detection: Other Note | Not reported |
| Release Prevention: Double Bottom | No |
| Release Prevention: Double Walled | No |
| Release Prevention: Lined Interior | Not reported |
| Release Prevention: Poly Jacket | No |
| Release Prevention: Exc Liner | No |
| Release Prevention: None | No |
| Release Prevention: Unknown | No |

**MANASSAS REGIONAL AIRPORT (Continued)** **A100204553**

| | |
|---|---|
| Release Prevention: Other | Yes |
| Release Prevention: Other Note | 110% Volume Dike |
| Tank Foundation: Steel | No |
| Tank Foundation: Earthen | No |
| Tank Foundation: Concrete Imp | No |
| Tank Foundation: Unknown | No |
| Tank Foundation: Other | No |
| Tank Foundation: Other Note | Not reported |
| Tank Roof: Float | No |
| Tank Roof: Cone | No |
| Tank Roof: Breather | Not reported |
| Tank Roof: Dbldeck | Not reported |
| Tank Roof: Pontoon | Not reported |
| Tank Roof: Balloon | Not reported |
| Tank Roof: Lifter | Not reported |
| Tank Roof: Pan | Not reported |
| Tank Roof: Other | No |
| Tank Roof: Other Note | Not reported |

Tank Material:

| | |
|---|---|
| Tank Materials: Bare Steel | No |
| Tank Materials: Concrete | No |
| Tank Materials: Insulated Tank Jacket | No |
| Tank Materials: Unknown | No |
| Tank Materials: Other | No |
| Tank Materials: Other Note | Not reported |
| Tank Type Cathodic/CP: | Not reported |
| Tank Type Single Wall: | Not reported |
| Tank Type Double Wall: | Not reported |
| Tank Type Lined Interior: | Not reported |
| Tank Type Double Bottom: | Not reported |
| Tank Type Potable/Skid: | Not reported |
| Tank Type Shop Fabricated/Built: | Not reported |
| Tank Type Vaulted Below Grade: | Not reported |
| Tank Type Vertical: | Not reported |
| Tank Type Horizontal: | Not reported |
| Tank Type Unknown: | Not reported |
| Tank Type Other: | Not reported |
| Tank Type Other Specify: | Not reported |

Owner:

| | |
|---|---|
| Owner Id: | 41093 |
| Owner Name: | Jet Services Incorporated |
| Owner Address: | 9998 Wakeman Dr |
| Owner Address2: | Not reported |
| Owner City/State/Zip: | Manassas, VA 20110 |
| Owner Type: | COMMERCIAL |
| Number of Active AST: | 10 |
| Number of Active UST: | 0 |
| Number of Inactive AST: | 1 |
| Number of Inactive UST: | 0 |
| Owner Id: | 42776 |
| Owner Name: | Dulles Aviation Incorporated |

**MANASSAS REGIONAL AIRPORT (Continued)** **A100204553**

| | |
|---|---|
| Owner Address: | 10501 Observation Rd |
| Owner Address2: | Not reported |
| Owner City/State/Zip: | Manassas, VA 20110 |
| Owner Type: | COMMERCIAL |
| Number of Active AST: | 10 |
| Number of Active UST: | 0 |
| Number of Inactive AST: | 1 |
| Number of Inactive UST: | 0 |

| | |
|---|---|
| Owner Id: | 42777 |
| Owner Name: | FlightWorks |
| Owner Address: | 600 Town Park Ln Ste 550 |
| Owner Address2: | Not reported |
| Owner City/State/Zip: | Kennesaw, GA 30144 |
| Owner Type: | PRIVATE |
| Number of Active AST: | 10 |
| Number of Active UST: | 0 |
| Number of Inactive AST: | 1 |
| Number of Inactive UST: | 0 |

| | |
|---|---|
| Owner Id: | 42779 |
| Owner Name: | M J Colgan Associates |
| Owner Address: | 5418 Ancestry Ct |
| Owner Address2: | Not reported |
| Owner City/State/Zip: | Gainesville, VA 20155 |
| Owner Type: | COMMERCIAL |
| Number of Active AST: | 10 |
| Number of Active UST: | 0 |
| Number of Inactive AST: | 1 |
| Number of Inactive UST: | 0 |

| | |
|---|---|
| Owner Id: | 43640 |
| Owner Name: | Chantilly Air Incorporated |
| Owner Address: | 10660 Skyview Terrace |
| Owner Address2: | Not reported |
| Owner City/State/Zip: | Manassas, VA 20110 |
| Owner Type: | COMMERCIAL |
| Number of Active AST: | 10 |
| Number of Active UST: | 0 |
| Number of Inactive AST: | 1 |
| Number of Inactive UST: | 0 |

| | |
|---|---|
| Owner Id: | 48850 |
| Owner Name: | Manassas FBO LLC dba APP Jet Center Manassas |
| Owner Address: | 9998 Wakeman Dr |
| Owner Address2: | Not reported |
| Owner City/State/Zip: | Manassas, VA 20110 |
| Owner Type: | COMMERCIAL |
| Number of Active AST: | 10 |
| Number of Active UST: | 0 |
| Number of Inactive AST: | 1 |
| Number of Inactive UST: | 0 |

| | |
|---|---|
| Fed Regulated: | No |
| Tank Number: | T002 |
| Tank Type: | AST |
| Tank Capacity: | 20000 |

**MANASSAS REGIONAL AIRPORT (Continued)** **A100204553**

| | |
|---|---|
| Tank Contents: | JET FUEL |
| Tank Status: | CURR IN USE |
| Install Date: | Not reported |
| Date Closed: | Not reported |

Tank Containment:

| | |
|---|---|
| Install Date: | Not reported |
| Containment: Curbing | No |
| Containment: Weirs | No |
| Containment: Sorbent | No |
| Containment: Culvert | No |
| Containment: Diversion | No |
| Containment: Retention | No |
| Containment: Dike | Yes |
| Containment: Unknown | No |
| Containment: Other | No |
| Containment: Other Note | Not reported |

Release Detection:

| | |
|---|---|
| Release Detection: Ground Water | No |
| Release Detection: Visual | Yes |
| Release Detection: Vapor | No |
| Release Detection: Interstitial | No |
| Release Detection: None | No |
| Release Detection: Other | No |
| Release Detection: Other Note | Not reported |
| Release Prevention: Double Bottom | No |
| Release Prevention: Double Walled | No |
| Release Prevention: Lined Interior | Not reported |
| Release Prevention: Poly Jacket | No |
| Release Prevention: Exc Liner | No |
| Release Prevention: None | No |
| Release Prevention: Unknown | No |
| Release Prevention: Other | Yes |
| Release Prevention: Other Note | concrete containment w/oil/water sepe\\arator |

| | |
|---|---|
| Tank Foundation: Steel | No |
| Tank Foundation: Earthen | No |
| Tank Foundation: Concrete Imp | Yes |
| Tank Foundation: Unknown | No |
| Tank Foundation: Other | No |
| Tank Foundation: Other Note | Not reported |
| Tank Roof: Float | No |
| Tank Roof: Cone | No |
| Tank Roof: Breather | Not reported |
| Tank Roof: Dbldeck | Not reported |
| Tank Roof: Pontoon | Not reported |
| Tank Roof: Balloon | Not reported |
| Tank Roof: Lifter | Not reported |
| Tank Roof: Pan | Not reported |
| Tank Roof: Other | Yes |
| Tank Roof: Other Note | none-horizontal tank |

Tank Material:

| | |
|---|---|
| Tank Materials: Bare Steel | Yes |
| Tank Materials: Concrete | No |
| Tank Materials: Insulated Tank Jacket | No |

**MANASSAS REGIONAL AIRPORT (Continued)** **A100204553**

| | |
|---|---|
| Tank Materials: Unknown | No |
| Tank Materials: Other | No |
| Tank Materials: Other Note | Not reported |
| Tank Type Cathodic/CP: | Not reported |
| Tank Type Single Wall: | Not reported |
| Tank Type Double Wall: | Not reported |
| Tank Type Lined Interior: | Not reported |
| Tank Type Double Bottom: | Not reported |
| Tank Type Potable/Skid: | Not reported |
| Tank Type Shop Fabricated/Built: | Not reported |
| Tank Type Vaulted Below Grade: | Not reported |
| Tank Type Vertical: | Not reported |
| Tank Type Horizontal: | Not reported |
| Tank Type Unknown: | Not reported |
| Tank Type Other: | Not reported |
| Tank Type Other Specify: | Not reported |

Owner:

| | |
|---|---|
| Owner Id: | 41093 |
| Owner Name: | Jet Services Incorporated |
| Owner Address: | 9998 Wakeman Dr |
| Owner Address2: | Not reported |
| Owner City/State/Zip: | Manassas, VA 20110 |
| Owner Type: | COMMERCIAL |
| Number of Active AST: | 10 |
| Number of Active UST: | 0 |
| Number of Inactive AST: | 1 |
| Number of Inactive UST: | 0 |

| | |
|---|---|
| Owner Id: | 42776 |
| Owner Name: | Dulles Aviation Incorporated |
| Owner Address: | 10501 Observation Rd |
| Owner Address2: | Not reported |
| Owner City/State/Zip: | Manassas, VA 20110 |
| Owner Type: | COMMERCIAL |
| Number of Active AST: | 10 |
| Number of Active UST: | 0 |
| Number of Inactive AST: | 1 |
| Number of Inactive UST: | 0 |

| | |
|---|---|
| Owner Id: | 42777 |
| Owner Name: | FlightWorks |
| Owner Address: | 600 Town Park Ln Ste 550 |
| Owner Address2: | Not reported |
| Owner City/State/Zip: | Kennesaw, GA 30144 |
| Owner Type: | PRIVATE |
| Number of Active AST: | 10 |
| Number of Active UST: | 0 |
| Number of Inactive AST: | 1 |
| Number of Inactive UST: | 0 |

| | |
|---|---|
| Owner Id: | 42779 |
| Owner Name: | M J Colgan Associates |
| Owner Address: | 5418 Ancestry Ct |
| Owner Address2: | Not reported |
| Owner City/State/Zip: | Gainesville, VA 20155 |

**MANASSAS REGIONAL AIRPORT (Continued)** **A100204553**

| | |
|---|---|
| Owner Type: | COMMERCIAL |
| Number of Active AST: | 10 |
| Number of Active UST: | 0 |
| Number of Inactive AST: | 1 |
| Number of Inactive UST: | 0 |
| | |
| Owner Id: | 43640 |
| Owner Name: | Chantilly Air Incorporated |
| Owner Address: | 10660 Skyview Terrace |
| Owner Address2: | Not reported |
| Owner City/State/Zip: | Manassas, VA 20110 |
| Owner Type: | COMMERCIAL |
| Number of Active AST: | 10 |
| Number of Active UST: | 0 |
| Number of Inactive AST: | 1 |
| Number of Inactive UST: | 0 |
| | |
| Owner Id: | 48850 |
| Owner Name: | Manassas FBO LLC dba APP Jet Center Manassas |
| Owner Address: | 9998 Wakeman Dr |
| Owner Address2: | Not reported |
| Owner City/State/Zip: | Manassas, VA 20110 |
| Owner Type: | COMMERCIAL |
| Number of Active AST: | 10 |
| Number of Active UST: | 0 |
| Number of Inactive AST: | 1 |
| Number of Inactive UST: | 0 |
| | |
| Fed Regulated: | No |
| Tank Number: | T003 |
| Tank Type: | AST |
| Tank Capacity: | 15000 |
| Tank Contents: | GASOLINE AVIATION GAS |
| Tank Status: | CURR IN USE |
| Install Date: | 1/1/1990 |
| Date Closed: | Not reported |

Tank Containment:

| | |
|---|---|
| Install Date: | 1/1/1990 |
| Containment: Curbing | No |
| Containment: Weirs | No |
| Containment: Sorbent | No |
| Containment: Culvert | No |
| Containment: Diversion | No |
| Containment: Retention | No |
| Containment: Dike | Yes |
| Containment: Unknown | No |
| Containment: Other | No |
| Containment: Other Note | Not reported |

Release Detection:

| | |
|---|---|
| Release Detection: Ground Water | No |
| Release Detection: Visual | Yes |
| Release Detection: Vapor | No |
| Release Detection: Interstitial | No |
| Release Detection: None | No |
| Release Detection: Other | No |

**MANASSAS REGIONAL AIRPORT (Continued)** **A100204553**

| | |
|---|---|
| Release Detection: Other Note | Not reported |
| Release Prevention: Double Bottom | No |
| Release Prevention: Double Walled | No |
| Release Prevention: Lined Interior | Not reported |
| Release Prevention: Poly Jacket | No |
| Release Prevention: Exc Liner | No |
| Release Prevention: None | No |
| Release Prevention: Unknown | No |
| Release Prevention: Other | Yes |
| Release Prevention: Other Note | concrete containment w/ oil-water separator |
| Tank Foundation: Steel | No |
| Tank Foundation: Earthen | No |
| Tank Foundation: Concrete Imp | Yes |
| Tank Foundation: Unknown | No |
| Tank Foundation: Other | No |
| Tank Foundation: Other Note | Not reported |
| Tank Roof: Float | No |
| Tank Roof: Cone | No |
| Tank Roof: Breather | Not reported |
| Tank Roof: Dbldeck | Not reported |
| Tank Roof: Pontoon | Not reported |
| Tank Roof: Balloon | Not reported |
| Tank Roof: Lifter | Not reported |
| Tank Roof: Pan | Not reported |
| Tank Roof: Other | Yes |
| Tank Roof: Other Note | none-horizontal tank |

Tank Material:

| | |
|---|---|
| Tank Materials: Bare Steel | Yes |
| Tank Materials: Concrete | No |
| Tank Materials: Insulated Tank Jacket | No |
| Tank Materials: Unknown | No |
| Tank Materials: Other | No |
| Tank Materials: Other Note | Not reported |
| Tank Type Cathodic/CP: | Not reported |
| Tank Type Single Wall: | Not reported |
| Tank Type Double Wall: | Not reported |
| Tank Type Lined Interior: | Not reported |
| Tank Type Double Bottom: | Not reported |
| Tank Type Potable/Skid: | Not reported |
| Tank Type Shop Fabricated/Built: | Not reported |
| Tank Type Vaulted Below Grade: | Not reported |
| Tank Type Vertical: | Not reported |
| Tank Type Horizontal: | Not reported |
| Tank Type Unknown: | Not reported |
| Tank Type Other: | Not reported |
| Tank Type Other Specify: | Not reported |

Owner:

| | |
|---|---|
| Owner Id: | 41093 |
| Owner Name: | Jet Services Incorporated |
| Owner Address: | 9998 Wakeman Dr |
| Owner Address2: | Not reported |
| Owner City/State/Zip: | Manassas, VA 20110 |

**MANASSAS REGIONAL AIRPORT (Continued)** **A100204553**

Owner Type: COMMERCIAL
Number of Active AST: 10
Number of Active UST: 0
Number of Inactive AST: 1
Number of Inactive UST: 0

Owner Id: 42776
Owner Name: Dulles Aviation Incorporated
Owner Address: 10501 Observation Rd
Owner Address2: Not reported
Owner City/State/Zip: Manassas, VA 20110
Owner Type: COMMERCIAL
Number of Active AST: 10
Number of Active UST: 0
Number of Inactive AST: 1
Number of Inactive UST: 0

Owner Id: 42777
Owner Name: FlightWorks
Owner Address: 600 Town Park Ln Ste 550
Owner Address2: Not reported
Owner City/State/Zip: Kennesaw, GA 30144
Owner Type: PRIVATE
Number of Active AST: 10
Number of Active UST: 0
Number of Inactive AST: 1
Number of Inactive UST: 0

Owner Id: 42779
Owner Name: M J Colgan Associates
Owner Address: 5418 Ancestry Ct
Owner Address2: Not reported
Owner City/State/Zip: Gainesville, VA 20155
Owner Type: COMMERCIAL
Number of Active AST: 10
Number of Active UST: 0
Number of Inactive AST: 1
Number of Inactive UST: 0

Owner Id: 43640
Owner Name: Chantilly Air Incorporated
Owner Address: 10660 Skyview Terrace
Owner Address2: Not reported
Owner City/State/Zip: Manassas, VA 20110
Owner Type: COMMERCIAL
Number of Active AST: 10
Number of Active UST: 0
Number of Inactive AST: 1
Number of Inactive UST: 0

Owner Id: 48850
Owner Name: Manassas FBO LLC dba APP Jet Center Manassas
Owner Address: 9998 Wakeman Dr
Owner Address2: Not reported
Owner City/State/Zip: Manassas, VA 20110
Owner Type: COMMERCIAL
Number of Active AST: 10

**MANASSAS REGIONAL AIRPORT (Continued)** **A100204553**

| | |
|---|---|
| Number of Active UST: | 0 |
| Number of Inactive AST: | 1 |
| Number of Inactive UST: | 0 |
| Fed Regulated: | No |
| Tank Number: | T005 |
| Tank Type: | AST |
| Tank Capacity: | 20000 |
| Tank Contents: | JET FUEL |
| Tank Status: | CURR IN USE |
| Install Date: | 1/28/1993 |
| Date Closed: | Not reported |

Tank Containment:

| | |
|---|---|
| Install Date: | 1/28/1993 |
| Containment: Curbing | No |
| Containment: Weirs | No |
| Containment: Sorbent | Yes |
| Containment: Culvert | No |
| Containment: Diversion | No |
| Containment: Retention | No |
| Containment: Dike | Yes |
| Containment: Unknown | No |
| Containment: Other | No |
| Containment: Other Note | Not reported |

Release Detection:

| | |
|---|---|
| Release Detection: Ground Water | No |
| Release Detection: Visual | Yes |
| Release Detection: Vapor | No |
| Release Detection: Interstitial | No |
| Release Detection: None | No |
| Release Detection: Other | No |
| Release Detection: Other Note | Not reported |
| Release Prevention: Double Bottom | No |
| Release Prevention: Double Walled | No |
| Release Prevention: Lined Interior | Not reported |
| Release Prevention: Poly Jacket | No |
| Release Prevention: Exc Liner | No |
| Release Prevention: None | No |
| Release Prevention: Unknown | No |
| Release Prevention: Other | Yes |
| Release Prevention: Other Note | concrete containment w/ oil-water separator |
| Tank Foundation: Steel | No |
| Tank Foundation: Earthen | No |
| Tank Foundation: Concrete Imp | Yes |
| Tank Foundation: Unknown | No |
| Tank Foundation: Other | No |
| Tank Foundation: Other Note | Not reported |
| Tank Roof: Float | No |
| Tank Roof: Cone | No |
| Tank Roof: Breather | Not reported |
| Tank Roof: Dbldeck | Not reported |
| Tank Roof: Pontoon | Not reported |
| Tank Roof: Balloon | Not reported |
| Tank Roof: Lifter | Not reported |

**MANASSAS REGIONAL AIRPORT (Continued)** **A100204553**

| | |
|---|---|
| Tank Roof: Pan | Not reported |
| Tank Roof: Other | Yes |
| Tank Roof: Other Note | None-horizontal tank |

Tank Material:

| | |
|---|---|
| Tank Materials: Bare Steel | No |
| Tank Materials: Concrete | No |
| Tank Materials: Insulated Tank Jacket | No |
| Tank Materials: Unknown | No |
| Tank Materials: Other | No |
| Tank Materials: Other Note | single wall, totally above the ground, lined interior, horizontal |
| Tank Type Cathodic/CP: | Not reported |
| Tank Type Single Wall: | Not reported |
| Tank Type Double Wall: | Not reported |
| Tank Type Lined Interior: | Not reported |
| Tank Type Double Bottom: | Not reported |
| Tank Type Potable/Skid: | Not reported |
| Tank Type Shop Fabricated/Built: | Not reported |
| Tank Type Vaulted Below Grade: | Not reported |
| Tank Type Vertical: | Not reported |
| Tank Type Horizontal: | Not reported |
| Tank Type Unknown: | Not reported |
| Tank Type Other: | Not reported |
| Tank Type Other Specify: | Not reported |

Owner:

| | |
|---|---|
| Owner Id: | 41093 |
| Owner Name: | Jet Services Incorporated |
| Owner Address: | 9998 Wakeman Dr |
| Owner Address2: | Not reported |
| Owner City/State/Zip: | Manassas, VA 20110 |
| Owner Type: | COMMERCIAL |
| Number of Active AST: | 10 |
| Number of Active UST: | 0 |
| Number of Inactive AST: | 1 |
| Number of Inactive UST: | 0 |

| | |
|---|---|
| Owner Id: | 42776 |
| Owner Name: | Dulles Aviation Incorporated |
| Owner Address: | 10501 Observation Rd |
| Owner Address2: | Not reported |
| Owner City/State/Zip: | Manassas, VA 20110 |
| Owner Type: | COMMERCIAL |
| Number of Active AST: | 10 |
| Number of Active UST: | 0 |
| Number of Inactive AST: | 1 |
| Number of Inactive UST: | 0 |

| | |
|---|---|
| Owner Id: | 42777 |
| Owner Name: | FlightWorks |
| Owner Address: | 600 Town Park Ln Ste 550 |
| Owner Address2: | Not reported |
| Owner City/State/Zip: | Kennesaw, GA 30144 |
| Owner Type: | PRIVATE |
| Number of Active AST: | 10 |

**MANASSAS REGIONAL AIRPORT (Continued)** **A100204553**

| | |
|---|---|
| Number of Active UST: | 0 |
| Number of Inactive AST: | 1 |
| Number of Inactive UST: | 0 |

| | |
|---|---|
| Owner Id: | 42779 |
| Owner Name: | M J Colgan Associates |
| Owner Address: | 5418 Ancestry Ct |
| Owner Address2: | Not reported |
| Owner City/State/Zip: | Gainesville, VA 20155 |
| Owner Type: | COMMERCIAL |
| Number of Active AST: | 10 |
| Number of Active UST: | 0 |
| Number of Inactive AST: | 1 |
| Number of Inactive UST: | 0 |

| | |
|---|---|
| Owner Id: | 43640 |
| Owner Name: | Chantilly Air Incorporated |
| Owner Address: | 10660 Skyview Terrace |
| Owner Address2: | Not reported |
| Owner City/State/Zip: | Manassas, VA 20110 |
| Owner Type: | COMMERCIAL |
| Number of Active AST: | 10 |
| Number of Active UST: | 0 |
| Number of Inactive AST: | 1 |
| Number of Inactive UST: | 0 |

| | |
|---|---|
| Owner Id: | 48850 |
| Owner Name: | Manassas FBO LLC dba APP Jet Center Manassas |
| Owner Address: | 9998 Wakeman Dr |
| Owner Address2: | Not reported |
| Owner City/State/Zip: | Manassas, VA 20110 |
| Owner Type: | COMMERCIAL |
| Number of Active AST: | 10 |
| Number of Active UST: | 0 |
| Number of Inactive AST: | 1 |
| Number of Inactive UST: | 0 |

| | |
|---|---|
| Fed Regulated: | No |
| Tank Number: | T006 |
| Tank Type: | AST |
| Tank Capacity: | 15000 |
| Tank Contents: | GASOLINE AVIATION GAS |
| Tank Status: | CURR IN USE |
| Install Date: | 1/28/1993 |
| Date Closed: | Not reported |

Tank Containment:

| | |
|---|---|
| Install Date: | 1/28/1993 |
| Containment: Curbing | No |
| Containment: Weirs | No |
| Containment: Sorbent | Yes |
| Containment: Culvert | No |
| Containment: Diversion | No |
| Containment: Retention | No |
| Containment: Dike | Yes |
| Containment: Unknown | No |
| Containment: Other | No |

**MANASSAS REGIONAL AIRPORT (Continued)** **A100204553**

| | |
|---|---|
| Containment: Other Note | Not reported |
| Release Detection: | |
| Release Detection: Ground Water | No |
| Release Detection: Visual | Yes |
| Release Detection: Vapor | No |
| Release Detection: Interstitial | No |
| Release Detection: None | No |
| Release Detection: Other | No |
| Release Detection: Other Note | Not reported |
| Release Prevention: Double Bottom | No |
| Release Prevention: Double Walled | No |
| Release Prevention: Lined Interior | Not reported |
| Release Prevention: Poly Jacket | No |
| Release Prevention: Exc Liner | No |
| Release Prevention: None | No |
| Release Prevention: Unknown | No |
| Release Prevention: Other | Yes |
| Release Prevention: Other Note | concrete containment w/ oil-water separator |
| Tank Foundation: Steel | No |
| Tank Foundation: Earthen | No |
| Tank Foundation: Concrete Imp | Yes |
| Tank Foundation: Unknown | No |
| Tank Foundation: Other | No |
| Tank Foundation: Other Note | Not reported |
| Tank Roof: Float | No |
| Tank Roof: Cone | No |
| Tank Roof: Breather | Not reported |
| Tank Roof: Dbldeck | Not reported |
| Tank Roof: Pontoon | Not reported |
| Tank Roof: Balloon | Not reported |
| Tank Roof: Lifter | Not reported |
| Tank Roof: Pan | Not reported |
| Tank Roof: Other | Yes |
| Tank Roof: Other Note | none-horizontal tank |
| Tank Material: | |
| Tank Materials: Bare Steel | No |
| Tank Materials: Concrete | No |
| Tank Materials: Insulated Tank Jacket | No |
| Tank Materials: Unknown | No |
| Tank Materials: Other | No |
| Tank Materials: Other Note | welded |
| Tank Type Cathodic/CP: | Not reported |
| Tank Type Single Wall: | Not reported |
| Tank Type Double Wall: | Not reported |
| Tank Type Lined Interior: | Not reported |
| Tank Type Double Bottom: | Not reported |
| Tank Type Potable/Skid: | Not reported |
| Tank Type Shop Fabricated/Built: | Not reported |
| Tank Type Vaulted Below Grade: | Not reported |
| Tank Type Vertical: | Not reported |
| Tank Type Horizontal: | Not reported |
| Tank Type Unknown: | Not reported |
| Tank Type Other: | Not reported |
| Tank Type Other Specify: | Not reported |

**MANASSAS REGIONAL AIRPORT (Continued)** **A100204553**

Owner:

| | |
|---|---|
| Owner Id: | 41093 |
| Owner Name: | Jet Services Incorporated |
| Owner Address: | 9998 Wakeman Dr |
| Owner Address2: | Not reported |
| Owner City/State/Zip: | Manassas, VA 20110 |
| Owner Type: | COMMERCIAL |
| Number of Active AST: | 10 |
| Number of Active UST: | 0 |
| Number of Inactive AST: | 1 |
| Number of Inactive UST: | 0 |

| | |
|---|---|
| Owner Id: | 42776 |
| Owner Name: | Dulles Aviation Incorporated |
| Owner Address: | 10501 Observation Rd |
| Owner Address2: | Not reported |
| Owner City/State/Zip: | Manassas, VA 20110 |
| Owner Type: | COMMERCIAL |
| Number of Active AST: | 10 |
| Number of Active UST: | 0 |
| Number of Inactive AST: | 1 |
| Number of Inactive UST: | 0 |

| | |
|---|---|
| Owner Id: | 42777 |
| Owner Name: | FlightWorks |
| Owner Address: | 600 Town Park Ln Ste 550 |
| Owner Address2: | Not reported |
| Owner City/State/Zip: | Kennesaw, GA 30144 |
| Owner Type: | PRIVATE |
| Number of Active AST: | 10 |
| Number of Active UST: | 0 |
| Number of Inactive AST: | 1 |
| Number of Inactive UST: | 0 |

| | |
|---|---|
| Owner Id: | 42779 |
| Owner Name: | M J Colgan Associates |
| Owner Address: | 5418 Ancestry Ct |
| Owner Address2: | Not reported |
| Owner City/State/Zip: | Gainesville, VA 20155 |
| Owner Type: | COMMERCIAL |
| Number of Active AST: | 10 |
| Number of Active UST: | 0 |
| Number of Inactive AST: | 1 |
| Number of Inactive UST: | 0 |

| | |
|---|---|
| Owner Id: | 43640 |
| Owner Name: | Chantilly Air Incorporated |
| Owner Address: | 10660 Skyview Terrace |
| Owner Address2: | Not reported |
| Owner City/State/Zip: | Manassas, VA 20110 |
| Owner Type: | COMMERCIAL |
| Number of Active AST: | 10 |
| Number of Active UST: | 0 |
| Number of Inactive AST: | 1 |
| Number of Inactive UST: | 0 |

| | |
|---|---|
| Owner Id: | 48850 |

**MANASSAS REGIONAL AIRPORT (Continued)** **A100204553**

| | |
|---|---|
| Owner Name: | Manassas FBO LLC dba APP Jet Center Manassas |
| Owner Address: | 9998 Wakeman Dr |
| Owner Address2: | Not reported |
| Owner City/State/Zip: | Manassas, VA 20110 |
| Owner Type: | COMMERCIAL |
| Number of Active AST: | 10 |
| Number of Active UST: | 0 |
| Number of Inactive AST: | 1 |
| Number of Inactive UST: | 0 |
| | |
| Fed Regulated: | No |
| Tank Number: | T007 |
| Tank Type: | AST |
| Tank Capacity: | 20000 |
| Tank Contents: | JET FUEL |
| Tank Status: | CURR IN USE |
| Install Date: | 3/18/2005 |
| Date Closed: | Not reported |

Tank Containment:

| | |
|---|---|
| Install Date: | 3/18/2005 |
| Containment: Curbing | No |
| Containment: Weirs | No |
| Containment: Sorbent | Yes |
| Containment: Culvert | No |
| Containment: Diversion | No |
| Containment: Retention | No |
| Containment: Dike | Yes |
| Containment: Unknown | No |
| Containment: Other | No |
| Containment: Other Note | Not reported |

Release Detection:

| | |
|---|---|
| Release Detection: Ground Water | No |
| Release Detection: Visual | Yes |
| Release Detection: Vapor | No |
| Release Detection: Interstitial | No |
| Release Detection: None | No |
| Release Detection: Other | No |
| Release Detection: Other Note | Not reported |
| Release Prevention: Double Bottom | No |
| Release Prevention: Double Walled | No |
| Release Prevention: Lined Interior | Not reported |
| Release Prevention: Poly Jacket | No |
| Release Prevention: Exc Liner | No |
| Release Prevention: None | No |
| Release Prevention: Unknown | No |
| Release Prevention: Other | Yes |
| Release Prevention: Other Note | concrete w/ coating, containment w/ oil-water separator |
| | |
| Tank Foundation: Steel | No |
| Tank Foundation: Earthen | No |
| Tank Foundation: Concrete Imp | No |
| Tank Foundation: Unknown | No |
| Tank Foundation: Other | No |
| Tank Foundation: Other Note | Not reported |
| Tank Roof: Float | No |

**MANASSAS REGIONAL AIRPORT (Continued)** **A100204553**

| | |
|---|---|
| Tank Roof: Cone | No |
| Tank Roof: Breather | Not reported |
| Tank Roof: Dbldeck | Not reported |
| Tank Roof: Pontoon | Not reported |
| Tank Roof: Balloon | Not reported |
| Tank Roof: Lifter | Not reported |
| Tank Roof: Pan | Not reported |
| Tank Roof: Other | Yes |
| Tank Roof: Other Note | None-horizontal tank |

Tank Material:

| | |
|---|---|
| Tank Materials: Bare Steel | Yes |
| Tank Materials: Concrete | No |
| Tank Materials: Insulated Tank Jacket | No |
| Tank Materials: Unknown | No |
| Tank Materials: Other | No |
| Tank Materials: Other Note | Not reported |
| Tank Type Cathodic/CP: | Not reported |
| Tank Type Single Wall: | Not reported |
| Tank Type Double Wall: | Not reported |
| Tank Type Lined Interior: | Not reported |
| Tank Type Double Bottom: | Not reported |
| Tank Type Potable/Skid: | Not reported |
| Tank Type Shop Fabricated/Built: | Not reported |
| Tank Type Vaulted Below Grade: | Not reported |
| Tank Type Vertical: | Not reported |
| Tank Type Horizontal: | Not reported |
| Tank Type Unknown: | Not reported |
| Tank Type Other: | Not reported |
| Tank Type Other Specify: | Not reported |

Owner:

| | |
|---|---|
| Owner Id: | 41093 |
| Owner Name: | Jet Services Incorporated |
| Owner Address: | 9998 Wakeman Dr |
| Owner Address2: | Not reported |
| Owner City/State/Zip: | Manassas, VA 20110 |
| Owner Type: | COMMERCIAL |
| Number of Active AST: | 10 |
| Number of Active UST: | 0 |
| Number of Inactive AST: | 1 |
| Number of Inactive UST: | 0 |

| | |
|---|---|
| Owner Id: | 42776 |
| Owner Name: | Dulles Aviation Incorporated |
| Owner Address: | 10501 Observation Rd |
| Owner Address2: | Not reported |
| Owner City/State/Zip: | Manassas, VA 20110 |
| Owner Type: | COMMERCIAL |
| Number of Active AST: | 10 |
| Number of Active UST: | 0 |
| Number of Inactive AST: | 1 |
| Number of Inactive UST: | 0 |

| | |
|---|---|
| Owner Id: | 42777 |

**MANASSAS REGIONAL AIRPORT (Continued)** **A100204553**

Owner Name: FlightWorks
Owner Address: 600 Town Park Ln Ste 550
Owner Address2: Not reported
Owner City/State/Zip: Kennesaw, GA 30144
Owner Type: PRIVATE
Number of Active AST: 10
Number of Active UST: 0
Number of Inactive AST: 1
Number of Inactive UST: 0

Owner Id: 42779
Owner Name: M J Colgan Associates
Owner Address: 5418 Ancestry Ct
Owner Address2: Not reported
Owner City/State/Zip: Gainesville, VA 20155
Owner Type: COMMERCIAL
Number of Active AST: 10
Number of Active UST: 0
Number of Inactive AST: 1
Number of Inactive UST: 0

Owner Id: 43640
Owner Name: Chantilly Air Incorporated
Owner Address: 10660 Skyview Terrace
Owner Address2: Not reported
Owner City/State/Zip: Manassas, VA 20110
Owner Type: COMMERCIAL
Number of Active AST: 10
Number of Active UST: 0
Number of Inactive AST: 1
Number of Inactive UST: 0

Owner Id: 48850
Owner Name: Manassas FBO LLC dba APP Jet Center Manassas
Owner Address: 9998 Wakeman Dr
Owner Address2: Not reported
Owner City/State/Zip: Manassas, VA 20110
Owner Type: COMMERCIAL
Number of Active AST: 10
Number of Active UST: 0
Number of Inactive AST: 1
Number of Inactive UST: 0

Fed Regulated: No
Tank Number: T008
Tank Type: AST
Tank Capacity: 15000
Tank Contents: GASOLINE AVIATION GAS
Tank Status: CURR IN USE
Install Date: 2/28/2005
Date Closed: Not reported

Tank Containment:
Install Date: 2/28/2005
Containment: Curbing No
Containment: Weirs No
Containment: Sorbent Yes

**MANASSAS REGIONAL AIRPORT (Continued)** **A100204553**

| | |
|---|---|
| Containment: Culvert | No |
| Containment: Diversion | No |
| Containment: Retention | No |
| Containment: Dike | Yes |
| Containment: Unknown | No |
| Containment: Other | No |
| Containment: Other Note | Not reported |

Release Detection:

| | |
|---|---|
| Release Detection: Ground Water | No |
| Release Detection: Visual | Yes |
| Release Detection: Vapor | No |
| Release Detection: Interstitial | No |
| Release Detection: None | No |
| Release Detection: Other | No |
| Release Detection: Other Note | Not reported |
| Release Prevention: Double Bottom | No |
| Release Prevention: Double Walled | No |
| Release Prevention: Lined Interior | Not reported |
| Release Prevention: Poly Jacket | No |
| Release Prevention: Exc Liner | No |
| Release Prevention: None | No |
| Release Prevention: Unknown | No |
| Release Prevention: Other | Yes |
| Release Prevention: Other Note | coated concrete, oil water separator |

| | |
|---|---|
| Tank Foundation: Steel | No |
| Tank Foundation: Earthen | No |
| Tank Foundation: Concrete Imp | No |
| Tank Foundation: Unknown | No |
| Tank Foundation: Other | No |
| Tank Foundation: Other Note | Not reported |
| Tank Roof: Float | No |
| Tank Roof: Cone | No |
| Tank Roof: Breather | Not reported |
| Tank Roof: Dbldeck | Not reported |
| Tank Roof: Pontoon | Not reported |
| Tank Roof: Balloon | Not reported |
| Tank Roof: Lifter | Not reported |
| Tank Roof: Pan | Not reported |
| Tank Roof: Other | Yes |
| Tank Roof: Other Note | None-horizontal tank |

Tank Material:

| | |
|---|---|
| Tank Materials: Bare Steel | No |
| Tank Materials: Concrete | No |
| Tank Materials: Insulated Tank Jacket | No |
| Tank Materials: Unknown | No |
| Tank Materials: Other | No |
| Tank Materials: Other Note | Not reported |
| Tank Type Cathodic/CP: | Not reported |
| Tank Type Single Wall: | Not reported |
| Tank Type Double Wall: | Not reported |
| Tank Type Lined Interior: | Not reported |
| Tank Type Double Bottom: | Not reported |
| Tank Type Potable/Skid: | Not reported |
| Tank Type Shop Fabricated/Built: | Not reported |

**MANASSAS REGIONAL AIRPORT (Continued)** **A100204553**

| | |
|---|---|
| Tank Type Vaulted Below Grade: | Not reported |
| Tank Type Vertical: | Not reported |
| Tank Type Horizontal: | Not reported |
| Tank Type Unknown: | Not reported |
| Tank Type Other: | Not reported |
| Tank Type Other Specify: | Not reported |

Owner:

| | |
|---|---|
| Owner Id: | 41093 |
| Owner Name: | Jet Services Incorporated |
| Owner Address: | 9998 Wakeman Dr |
| Owner Address2: | Not reported |
| Owner City/State/Zip: | Manassas, VA 20110 |
| Owner Type: | COMMERCIAL |
| Number of Active AST: | 10 |
| Number of Active UST: | 0 |
| Number of Inactive AST: | 1 |
| Number of Inactive UST: | 0 |

| | |
|---|---|
| Owner Id: | 42776 |
| Owner Name: | Dulles Aviation Incorporated |
| Owner Address: | 10501 Observation Rd |
| Owner Address2: | Not reported |
| Owner City/State/Zip: | Manassas, VA 20110 |
| Owner Type: | COMMERCIAL |
| Number of Active AST: | 10 |
| Number of Active UST: | 0 |
| Number of Inactive AST: | 1 |
| Number of Inactive UST: | 0 |

| | |
|---|---|
| Owner Id: | 42777 |
| Owner Name: | FlightWorks |
| Owner Address: | 600 Town Park Ln Ste 550 |
| Owner Address2: | Not reported |
| Owner City/State/Zip: | Kennesaw, GA 30144 |
| Owner Type: | PRIVATE |
| Number of Active AST: | 10 |
| Number of Active UST: | 0 |
| Number of Inactive AST: | 1 |
| Number of Inactive UST: | 0 |

| | |
|---|---|
| Owner Id: | 42779 |
| Owner Name: | M J Colgan Associates |
| Owner Address: | 5418 Ancestry Ct |
| Owner Address2: | Not reported |
| Owner City/State/Zip: | Gainesville, VA 20155 |
| Owner Type: | COMMERCIAL |
| Number of Active AST: | 10 |
| Number of Active UST: | 0 |
| Number of Inactive AST: | 1 |
| Number of Inactive UST: | 0 |

| | |
|---|---|
| Owner Id: | 43640 |
| Owner Name: | Chantilly Air Incorporated |
| Owner Address: | 10660 Skyview Terrace |
| Owner Address2: | Not reported |

**MANASSAS REGIONAL AIRPORT (Continued)** **A100204553**

| | |
|---|---|
| Owner City/State/Zip: | Manassas, VA 20110 |
| Owner Type: | COMMERCIAL |
| Number of Active AST: | 10 |
| Number of Active UST: | 0 |
| Number of Inactive AST: | 1 |
| Number of Inactive UST: | 0 |
| | |
| Owner Id: | 48850 |
| Owner Name: | Manassas FBO LLC dba APP Jet Center Manassas |
| Owner Address: | 9998 Wakeman Dr |
| Owner Address2: | Not reported |
| Owner City/State/Zip: | Manassas, VA 20110 |
| Owner Type: | COMMERCIAL |
| Number of Active AST: | 10 |
| Number of Active UST: | 0 |
| Number of Inactive AST: | 1 |
| Number of Inactive UST: | 0 |
| | |
| Fed Regulated: | No |
| Tank Number: | T009 |
| Tank Type: | AST |
| Tank Capacity: | 20000 |
| Tank Contents: | JET FUEL |
| Tank Status: | CURR IN USE |
| Install Date: | 2/28/2005 |
| Date Closed: | Not reported |

Tank Containment:

| | |
|---|---|
| Install Date: | 2/28/2005 |
| Containment: Curbing | No |
| Containment: Weirs | No |
| Containment: Sorbent | Yes |
| Containment: Culvert | No |
| Containment: Diversion | No |
| Containment: Retention | No |
| Containment: Dike | Yes |
| Containment: Unknown | No |
| Containment: Other | No |
| Containment: Other Note | Not reported |

Release Detection:

| | |
|---|---|
| Release Detection: Ground Water | No |
| Release Detection: Visual | Yes |
| Release Detection: Vapor | No |
| Release Detection: Interstitial | No |
| Release Detection: None | No |
| Release Detection: Other | No |
| Release Detection: Other Note | Not reported |
| Release Prevention: Double Bottom | No |
| Release Prevention: Double Walled | No |
| Release Prevention: Lined Interior | Not reported |
| Release Prevention: Poly Jacket | No |
| Release Prevention: Exc Liner | No |
| Release Prevention: None | No |
| Release Prevention: Unknown | No |
| Release Prevention: Other | Yes |
| Release Prevention: Other Note | coated concrete, oil/water separator |

**MANASSAS REGIONAL AIRPORT (Continued)** **A100204553**

| | |
|---|---|
| Tank Foundation: Steel | No |
| Tank Foundation: Earthen | No |
| Tank Foundation: Concrete Imp | No |
| Tank Foundation: Unknown | No |
| Tank Foundation: Other | No |
| Tank Foundation: Other Note | Not reported |
| Tank Roof: Float | No |
| Tank Roof: Cone | No |
| Tank Roof: Breather | Not reported |
| Tank Roof: Dbldeck | Not reported |
| Tank Roof: Pontoon | Not reported |
| Tank Roof: Balloon | Not reported |
| Tank Roof: Lifter | Not reported |
| Tank Roof: Pan | Not reported |
| Tank Roof: Other | Yes |
| Tank Roof: Other Note | None-horizontal tank |

Tank Material:

| | |
|---|---|
| Tank Materials: Bare Steel | No |
| Tank Materials: Concrete | No |
| Tank Materials: Insulated Tank Jacket | No |
| Tank Materials: Unknown | No |
| Tank Materials: Other | No |
| Tank Materials: Other Note | welded |
| Tank Type Cathodic/CP: | Not reported |
| Tank Type Single Wall: | Not reported |
| Tank Type Double Wall: | Not reported |
| Tank Type Lined Interior: | Not reported |
| Tank Type Double Bottom: | Not reported |
| Tank Type Potable/Skid: | Not reported |
| Tank Type Shop Fabricated/Built: | Not reported |
| Tank Type Vaulted Below Grade: | Not reported |
| Tank Type Vertical: | Not reported |
| Tank Type Horizontal: | Not reported |
| Tank Type Unknown: | Not reported |
| Tank Type Other: | Not reported |
| Tank Type Other Specify: | Not reported |

Owner:

| | |
|---|---|
| Owner Id: | 41093 |
| Owner Name: | Jet Services Incorporated |
| Owner Address: | 9998 Wakeman Dr |
| Owner Address2: | Not reported |
| Owner City/State/Zip: | Manassas, VA 20110 |
| Owner Type: | COMMERCIAL |
| Number of Active AST: | 10 |
| Number of Active UST: | 0 |
| Number of Inactive AST: | 1 |
| Number of Inactive UST: | 0 |

| | |
|---|---|
| Owner Id: | 42776 |
| Owner Name: | Dulles Aviation Incorporated |
| Owner Address: | 10501 Observation Rd |
| Owner Address2: | Not reported |
| Owner City/State/Zip: | Manassas, VA 20110 |

**MANASSAS REGIONAL AIRPORT (Continued)** **A100204553**

| | |
|---|---|
| Owner Type: | COMMERCIAL |
| Number of Active AST: | 10 |
| Number of Active UST: | 0 |
| Number of Inactive AST: | 1 |
| Number of Inactive UST: | 0 |

| | |
|---|---|
| Owner Id: | 42777 |
| Owner Name: | FlightWorks |
| Owner Address: | 600 Town Park Ln Ste 550 |
| Owner Address2: | Not reported |
| Owner City/State/Zip: | Kennesaw, GA 30144 |
| Owner Type: | PRIVATE |
| Number of Active AST: | 10 |
| Number of Active UST: | 0 |
| Number of Inactive AST: | 1 |
| Number of Inactive UST: | 0 |

| | |
|---|---|
| Owner Id: | 42779 |
| Owner Name: | M J Colgan Associates |
| Owner Address: | 5418 Ancestry Ct |
| Owner Address2: | Not reported |
| Owner City/State/Zip: | Gainesville, VA 20155 |
| Owner Type: | COMMERCIAL |
| Number of Active AST: | 10 |
| Number of Active UST: | 0 |
| Number of Inactive AST: | 1 |
| Number of Inactive UST: | 0 |

| | |
|---|---|
| Owner Id: | 43640 |
| Owner Name: | Chantilly Air Incorporated |
| Owner Address: | 10660 Skyview Terrace |
| Owner Address2: | Not reported |
| Owner City/State/Zip: | Manassas, VA 20110 |
| Owner Type: | COMMERCIAL |
| Number of Active AST: | 10 |
| Number of Active UST: | 0 |
| Number of Inactive AST: | 1 |
| Number of Inactive UST: | 0 |

| | |
|---|---|
| Owner Id: | 48850 |
| Owner Name: | Manassas FBO LLC dba APP Jet Center Manassas |
| Owner Address: | 9998 Wakeman Dr |
| Owner Address2: | Not reported |
| Owner City/State/Zip: | Manassas, VA 20110 |
| Owner Type: | COMMERCIAL |
| Number of Active AST: | 10 |
| Number of Active UST: | 0 |
| Number of Inactive AST: | 1 |
| Number of Inactive UST: | 0 |

| | |
|---|---|
| Fed Regulated: | No |
| Tank Number: | T010 |
| Tank Type: | AST |
| Tank Capacity: | 20000 |
| Tank Contents: | JET FUEL |
| Tank Status: | CURR IN USE |
| Install Date: | 8/5/2005 |

**MANASSAS REGIONAL AIRPORT (Continued)** **A100204553**

| | |
|---|---|
| Date Closed: | Not reported |
| Tank Containment: | |
| Install Date: | 8/5/2005 |
| Containment: Curbing | No |
| Containment: Weirs | No |
| Containment: Sorbent | Yes |
| Containment: Culvert | No |
| Containment: Diversion | No |
| Containment: Retention | No |
| Containment: Dike | Yes |
| Containment: Unknown | No |
| Containment: Other | No |
| Containment: Other Note | Not reported |
| Release Detection: | |
| Release Detection: Ground Water | No |
| Release Detection: Visual | Yes |
| Release Detection: Vapor | No |
| Release Detection: Interstitial | No |
| Release Detection: None | No |
| Release Detection: Other | No |
| Release Detection: Other Note | Not reported |
| Release Prevention: Double Bottom | No |
| Release Prevention: Double Walled | No |
| Release Prevention: Lined Interior | Not reported |
| Release Prevention: Poly Jacket | No |
| Release Prevention: Exc Liner | No |
| Release Prevention: None | No |
| Release Prevention: Unknown | No |
| Release Prevention: Other | No |
| Release Prevention: Other Note | Not reported |
| Tank Foundation: Steel | No |
| Tank Foundation: Earthen | No |
| Tank Foundation: Concrete Imp | No |
| Tank Foundation: Unknown | No |
| Tank Foundation: Other | No |
| Tank Foundation: Other Note | Not reported |
| Tank Roof: Float | No |
| Tank Roof: Cone | No |
| Tank Roof: Breather | Not reported |
| Tank Roof: Dbldeck | Not reported |
| Tank Roof: Pontoon | Not reported |
| Tank Roof: Balloon | Not reported |
| Tank Roof: Lifter | Not reported |
| Tank Roof: Pan | Not reported |
| Tank Roof: Other | Yes |
| Tank Roof: Other Note | None-Horizontal tank |
| Tank Material: | |
| Tank Materials: Bare Steel | Yes |
| Tank Materials: Concrete | No |
| Tank Materials: Insulated Tank Jacket | No |
| Tank Materials: Unknown | No |
| Tank Materials: Other | No |
| Tank Materials: Other Note | Not reported |

**MANASSAS REGIONAL AIRPORT (Continued)** **A100204553**

| | |
|---|---|
| Tank Type Cathodic/CP: | Not reported |
| Tank Type Single Wall: | Not reported |
| Tank Type Double Wall: | Not reported |
| Tank Type Lined Interior: | Not reported |
| Tank Type Double Bottom: | Not reported |
| Tank Type Potable/Skid: | Not reported |
| Tank Type Shop Fabricated/Built: | Not reported |
| Tank Type Vaulted Below Grade: | Not reported |
| Tank Type Vertical: | Not reported |
| Tank Type Horizontal: | Not reported |
| Tank Type Unknown: | Not reported |
| Tank Type Other: | Not reported |
| Tank Type Other Specify: | Not reported |

Owner:

| | |
|---|---|
| Owner Id: | 41093 |
| Owner Name: | Jet Services Incorporated |
| Owner Address: | 9998 Wakeman Dr |
| Owner Address2: | Not reported |
| Owner City/State/Zip: | Manassas, VA 20110 |
| Owner Type: | COMMERCIAL |
| Number of Active AST: | 10 |
| Number of Active UST: | 0 |
| Number of Inactive AST: | 1 |
| Number of Inactive UST: | 0 |

| | |
|---|---|
| Owner Id: | 42776 |
| Owner Name: | Dulles Aviation Incorporated |
| Owner Address: | 10501 Observation Rd |
| Owner Address2: | Not reported |
| Owner City/State/Zip: | Manassas, VA 20110 |
| Owner Type: | COMMERCIAL |
| Number of Active AST: | 10 |
| Number of Active UST: | 0 |
| Number of Inactive AST: | 1 |
| Number of Inactive UST: | 0 |

| | |
|---|---|
| Owner Id: | 42777 |
| Owner Name: | FlightWorks |
| Owner Address: | 600 Town Park Ln Ste 550 |
| Owner Address2: | Not reported |
| Owner City/State/Zip: | Kennesaw, GA 30144 |
| Owner Type: | PRIVATE |
| Number of Active AST: | 10 |
| Number of Active UST: | 0 |
| Number of Inactive AST: | 1 |
| Number of Inactive UST: | 0 |

| | |
|---|---|
| Owner Id: | 42779 |
| Owner Name: | M J Colgan Associates |
| Owner Address: | 5418 Ancestry Ct |
| Owner Address2: | Not reported |
| Owner City/State/Zip: | Gainesville, VA 20155 |
| Owner Type: | COMMERCIAL |
| Number of Active AST: | 10 |
| Number of Active UST: | 0 |

**MANASSAS REGIONAL AIRPORT (Continued)** **A100204553**

| | |
|---|---|
| Number of Inactive AST: | 1 |
| Number of Inactive UST: | 0 |
| Owner Id: | 43640 |
| Owner Name: | Chantilly Air Incorporated |
| Owner Address: | 10660 Skyview Terrace |
| Owner Address2: | Not reported |
| Owner City/State/Zip: | Manassas, VA 20110 |
| Owner Type: | COMMERCIAL |
| Number of Active AST: | 10 |
| Number of Active UST: | 0 |
| Number of Inactive AST: | 1 |
| Number of Inactive UST: | 0 |
| Owner Id: | 48850 |
| Owner Name: | Manassas FBO LLC dba APP Jet Center Manassas |
| Owner Address: | 9998 Wakeman Dr |
| Owner Address2: | Not reported |
| Owner City/State/Zip: | Manassas, VA 20110 |
| Owner Type: | COMMERCIAL |
| Number of Active AST: | 10 |
| Number of Active UST: | 0 |
| Number of Inactive AST: | 1 |
| Number of Inactive UST: | 0 |
| Fed Regulated: | No |
| Tank Number: | T011 |
| Tank Type: | AST |
| Tank Capacity: | 1000 |
| Tank Contents: | GASOLINE |
| Tank Status: | DISMANTLED |
| Install Date: | 5/5/1993 |
| Date Closed: | 1/1/2019 |

Tank Containment:

| | |
|---|---|
| Install Date: | 5/5/1993 |
| Containment: Curbing | No |
| Containment: Weirs | No |
| Containment: Sorbent | Yes |
| Containment: Culvert | No |
| Containment: Diversion | No |
| Containment: Retention | No |
| Containment: Dike | Yes |
| Containment: Unknown | No |
| Containment: Other | No |
| Containment: Other Note | Not reported |

Release Detection:

| | |
|---|---|
| Release Detection: Ground Water | No |
| Release Detection: Visual | Yes |
| Release Detection: Vapor | No |
| Release Detection: Interstitial | No |
| Release Detection: None | No |
| Release Detection: Other | No |
| Release Detection: Other Note | Not reported |
| Release Prevention: Double Bottom | No |
| Release Prevention: Double Walled | No |

**MANASSAS REGIONAL AIRPORT (Continued)** **A100204553**

| | |
|---|---|
| Release Prevention: Lined Interior | Not reported |
| Release Prevention: Poly Jacket | No |
| Release Prevention: Exc Liner | No |
| Release Prevention: None | No |
| Release Prevention: Unknown | No |
| Release Prevention: Other | Yes |
| Release Prevention: Other Note | COncrete containment w/ OWS |
| | |
| Tank Foundation: Steel | No |
| Tank Foundation: Earthen | No |
| Tank Foundation: Concrete Imp | Yes |
| Tank Foundation: Unknown | No |
| Tank Foundation: Other | No |
| Tank Foundation: Other Note | Not reported |
| Tank Roof: Float | No |
| Tank Roof: Cone | No |
| Tank Roof: Breather | Not reported |
| Tank Roof: Dbldeck | Not reported |
| Tank Roof: Pontoon | Not reported |
| Tank Roof: Balloon | Not reported |
| Tank Roof: Lifter | Not reported |
| Tank Roof: Pan | Not reported |
| Tank Roof: Other | Yes |
| Tank Roof: Other Note | None-horizontal Tank |

Tank Material:

| | |
|---|---|
| Tank Materials: Bare Steel | Yes |
| Tank Materials: Concrete | No |
| Tank Materials: Insulated Tank Jacket | No |
| Tank Materials: Unknown | No |
| Tank Materials: Other | No |
| Tank Materials: Other Note | Not reported |
| Tank Type Cathodic/CP: | Not reported |
| Tank Type Single Wall: | Not reported |
| Tank Type Double Wall: | Not reported |
| Tank Type Lined Interior: | Not reported |
| Tank Type Double Bottom: | Not reported |
| Tank Type Potable/Skid: | Not reported |
| Tank Type Shop Fabricated/Built: | Not reported |
| Tank Type Vaulted Below Grade: | Not reported |
| Tank Type Vertical: | Not reported |
| Tank Type Horizontal: | Not reported |
| Tank Type Unknown: | Not reported |
| Tank Type Other: | Not reported |
| Tank Type Other Specify: | Not reported |

Owner:

| | |
|---|---|
| Owner Id: | 41093 |
| Owner Name: | Jet Services Incorporated |
| Owner Address: | 9998 Wakeman Dr |
| Owner Address2: | Not reported |
| Owner City/State/Zip: | Manassas, VA 20110 |
| Owner Type: | COMMERCIAL |
| Number of Active AST: | 10 |
| Number of Active UST: | 0 |

**MANASSAS REGIONAL AIRPORT (Continued)** **A100204553**

Number of Inactive AST: 1
Number of Inactive UST: 0

Owner Id: 42776
Owner Name: Dulles Aviation Incorporated
Owner Address: 10501 Observation Rd
Owner Address2: Not reported
Owner City/State/Zip: Manassas, VA 20110
Owner Type: COMMERCIAL
Number of Active AST: 10
Number of Active UST: 0
Number of Inactive AST: 1
Number of Inactive UST: 0

Owner Id: 42777
Owner Name: FlightWorks
Owner Address: 600 Town Park Ln Ste 550
Owner Address2: Not reported
Owner City/State/Zip: Kennesaw, GA 30144
Owner Type: PRIVATE
Number of Active AST: 10
Number of Active UST: 0
Number of Inactive AST: 1
Number of Inactive UST: 0

Owner Id: 42779
Owner Name: M J Colgan Associates
Owner Address: 5418 Ancestry Ct
Owner Address2: Not reported
Owner City/State/Zip: Gainesville, VA 20155
Owner Type: COMMERCIAL
Number of Active AST: 10
Number of Active UST: 0
Number of Inactive AST: 1
Number of Inactive UST: 0

Owner Id: 43640
Owner Name: Chantilly Air Incorporated
Owner Address: 10660 Skyview Terrace
Owner Address2: Not reported
Owner City/State/Zip: Manassas, VA 20110
Owner Type: COMMERCIAL
Number of Active AST: 10
Number of Active UST: 0
Number of Inactive AST: 1
Number of Inactive UST: 0

Owner Id: 48850
Owner Name: Manassas FBO LLC dba APP Jet Center Manassas
Owner Address: 9998 Wakeman Dr
Owner Address2: Not reported
Owner City/State/Zip: Manassas, VA 20110
Owner Type: COMMERCIAL
Number of Active AST: 10
Number of Active UST: 0
Number of Inactive AST: 1
Number of Inactive UST: 0

**MANASSAS REGIONAL AIRPORT (Continued)** **A100204553**

| | |
|---|---|
| Fed Regulated: | No |
| Tank Number: | T011A |
| Tank Type: | AST |
| Tank Capacity: | 1000 |
| Tank Contents: | DIESEL |
| Tank Status: | CURR IN USE |
| Install Date: | 6/1/2021 |
| Date Closed: | Not reported |

Tank Containment:

| | |
|---|---|
| Install Date: | 6/1/2021 |
| Containment: Curbing | No |
| Containment: Weirs | No |
| Containment: Sorbent | Yes |
| Containment: Culvert | No |
| Containment: Diversion | No |
| Containment: Retention | No |
| Containment: Dike | Yes |
| Containment: Unknown | No |
| Containment: Other | No |
| Containment: Other Note | Not reported |

Release Detection:

| | |
|---|---|
| Release Detection: Ground Water | No |
| Release Detection: Visual | Yes |
| Release Detection: Vapor | No |
| Release Detection: Interstitial | No |
| Release Detection: None | No |
| Release Detection: Other | No |
| Release Detection: Other Note | Not reported |
| Release Prevention: Double Bottom | No |
| Release Prevention: Double Walled | Yes |
| Release Prevention: Lined Interior | Not reported |
| Release Prevention: Poly Jacket | No |
| Release Prevention: Exc Liner | Yes |
| Release Prevention: None | No |
| Release Prevention: Unknown | No |
| Release Prevention: Other | No |
| Release Prevention: Other Note | Not reported |

| | |
|---|---|
| Tank Foundation: Steel | Yes |
| Tank Foundation: Earthen | No |
| Tank Foundation: Concrete Imp | No |
| Tank Foundation: Unknown | No |
| Tank Foundation: Other | No |
| Tank Foundation: Other Note | Not reported |
| Tank Roof: Float | No |
| Tank Roof: Cone | No |
| Tank Roof: Breather | Not reported |
| Tank Roof: Dbldeck | Not reported |
| Tank Roof: Pontoon | Not reported |
| Tank Roof: Balloon | Not reported |
| Tank Roof: Lifter | Not reported |
| Tank Roof: Pan | Not reported |
| Tank Roof: Other | No |
| Tank Roof: Other Note | Not reported |

**MANASSAS REGIONAL AIRPORT (Continued)** **A100204553**

Tank Material:

| | |
|---|---|
| Tank Materials: Bare Steel | Yes |
| Tank Materials: Concrete | No |
| Tank Materials: Insulated Tank Jacket | No |
| Tank Materials: Unknown | No |
| Tank Materials: Other | No |
| Tank Materials: Other Note | Not reported |
| Tank Type Cathodic/CP: | Not reported |
| Tank Type Single Wall: | Not reported |
| Tank Type Double Wall: | Not reported |
| Tank Type Lined Interior: | Not reported |
| Tank Type Double Bottom: | Not reported |
| Tank Type Potable/Skid: | Not reported |
| Tank Type Shop Fabricated/Built: | Not reported |
| Tank Type Vaulted Below Grade: | Not reported |
| Tank Type Vertical: | Not reported |
| Tank Type Horizontal: | Not reported |
| Tank Type Unknown: | Not reported |
| Tank Type Other: | Not reported |
| Tank Type Other Specify: | Not reported |

---

**H43** **MANASSAS CITY REGIONAL AIRPORT** **VA TIER 2** **S110068386**
**Target** **10451 WAKEMAN DRIVE** **N/A**
**Property** **MANASSAS, VA 20110**

**Site 3 of 6 in cluster H**

**Actual:** **176 ft.**

**Focus Map:** **5**

TIER 2:

| | |
|---|---|
| Name: | COLGAN AIR - MNZ |
| Address: | 10451 WAKEMAN DRIVE |
| City,State,Zip: | MANASSES, VA 20110 |
| Facility ID: | Not reported |
| CAS Number: | 8008-20-6 |
| SIC Code: | 481111 |
| NAICS: | Not reported |
| Entered Chemical Name: | Jet-A Fuel |
| Average Amt Code: | 5 |
| Owner Name: | MJ Associates |
| Owner Phone: | (703) 331-3116 |
| Contact Type: | Not reported |
| Contact Information: | Not reported |
| Filing Year: | Not reported |

| | |
|---|---|
| Name: | MANASSAS CITY REGIONAL AIRPORT |
| Address: | 10451 WAKEMAN DRIVE |
| City,State,Zip: | MANASSAS, VA 20110 |
| Facility ID: | Not reported |
| CAS Number: | 108-88-3 |
| SIC Code: | 48811 |
| NAICS: | Not reported |
| Entered Chemical Name: | TOLUENE |
| Average Amt Code: | 4 |
| Owner Name: | Juan Riveria |
| Owner Phone: | 5712380520 |
| Contact Type: | Not reported |

**MANASSAS CITY REGIONAL AIRPORT (Continued)** **S110068386**

Contact Information: Not reported
Filing Year: Not reported

Name: MANASSAS CITY REGIONAL AIRPORT
Address: 10451 WAKEMAN DRIVE
City,State,Zip: MANASSAS, VA 20110
Facility ID: Not reported
CAS Number: 86290-81-5
SIC Code: 48811
NAICS: Not reported
Entered Chemical Name: Avgas
Average Amt Code: 4
Owner Name: Juan Riveria
Owner Phone: 5712380520
Contact Type: Not reported
Contact Information: Not reported
Filing Year: Not reported

Name: MANASSAS CITY REGIONAL AIRPORT
Address: 10451 WAKEMAN DRIVE
City,State,Zip: MANASSAS, VA 20110
Facility ID: Not reported
CAS Number: 8008-20-6
SIC Code: Not reported
NAICS: 48811
Entered Chemical Name: KEROSiNE
Average Amt Code: 5
Owner Name: Juan Riveria
Owner Phone: 5712380520
Contact Type: NAICS
Contact Information: Not reported
Filing Year: Not reported

Name: MANASSAS CITY REGIONAL AIRPORT
Address: 10451 WAKEMAN DRIVE
City,State,Zip: MANASSAS, VA 20110
Facility ID: Not reported
CAS Number: 8008-20-6
SIC Code: Not reported
NAICS: 48811
Entered Chemical Name: KEROSiNE
Average Amt Code: 5
Owner Name: Juan Riveria
Owner Phone: 7032578392
Contact Type: NAICS
Contact Information: Not reported
Filing Year: Not reported

Name: MANASSAS CITY REGIONAL AIRPORT
Address: 10451 WAKEMAN DRIVE
City,State,Zip: MANASSAS, VA 20110
Facility ID: Not reported
CAS Number: Not reported
SIC Code: Not reported
NAICS: 48811
Entered Chemical Name: Kerosine, Hydrodesulfurized
Average Amt Code: 5

**MANASSAS CITY REGIONAL AIRPORT (Continued)** **S110068386**

Owner Name: Juan Riveria
Owner Phone: 5712380520
Contact Type: NAICS
Contact Information: Not reported
Filing Year: Not reported

Name: MANASSAS CITY REGIONAL AIRPORT
Address: 10451 WAKEMAN DRIVE
City,State,Zip: MANASSAS, VA 20110
Facility ID: Not reported
CAS Number: Not reported
SIC Code: Not reported
NAICS: 48811
Entered Chemical Name: Kerosine, Hydrodesulfurized
Average Amt Code: 5
Owner Name: Juan Riveria
Owner Phone: 7032578392
Contact Type: NAICS
Contact Information: Not reported
Filing Year: Not reported

Name: MANASSAS CITY REGIONAL AIRPORT
Address: 10451 WAKEMAN DRIVE
City,State,Zip: MANASSAS, VA 20110
Facility ID: Not reported
CAS Number: Not reported
SIC Code: Not reported
NAICS: 48811
Entered Chemical Name: Naptha, Isomerization
Average Amt Code: 4
Owner Name: Juan Riveria
Owner Phone: 5712380520
Contact Type: NAICS
Contact Information: Not reported
Filing Year: Not reported

Name: MANASSAS CITY REGIONAL AIRPORT
Address: 10451 WAKEMAN DRIVE
City,State,Zip: MANASSAS, VA 20110
Facility ID: Not reported
CAS Number: Not reported
SIC Code: 48811
NAICS: Not reported
Entered Chemical Name: Naptha, Isomerization
Average Amt Code: 4
Owner Name: Juan Riveria
Owner Phone: 5712380520
Contact Type: Not reported
Contact Information: Not reported
Filing Year: Not reported

Name: MANASSAS CITY REGIONAL AIRPORT
Address: 10451 WAKEMAN DRIVE
City,State,Zip: MANASSAS, VA 20110
Facility ID: Not reported
CAS Number: 108-88-3
SIC Code: 48811

**MANASSAS CITY REGIONAL AIRPORT (Continued)** **S110068386**

NAICS: Not reported
Entered Chemical Name: TOLUENE
Average Amt Code: 4
Owner Name: Juan Riveria
Owner Phone: 7032578392
Contact Type: Not reported
Contact Information: Not reported
Filing Year: Not reported

Name: MANASSAS CITY REGIONAL AIRPORT
Address: 10451 WAKEMAN DRIVE
City,State,Zip: MANASSAS, VA 20110
Facility ID: Not reported
CAS Number: Not reported
SIC Code: 48811
NAICS: Not reported
Entered Chemical Name: Kerosine, Hydrodesulfurized
Average Amt Code: 5
Owner Name: Juan Riveria
Owner Phone: 7032578392
Contact Type: Not reported
Contact Information: Not reported
Filing Year: Not reported

Name: MANASSAS CITY REGIONAL AIRPORT
Address: 10451 WAKEMAN DRIVE
City,State,Zip: MANASSAS, VA 20110
Facility ID: Not reported
CAS Number: Not reported
SIC Code: 48811
NAICS: Not reported
Entered Chemical Name: Kerosine, Hydrodesulfurized
Average Amt Code: 5
Owner Name: Juan Riveria
Owner Phone: 5712380520
Contact Type: Not reported
Contact Information: Not reported
Filing Year: Not reported

Name: MANASSAS CITY REGIONAL AIRPORT
Address: 10451 WAKEMAN DRIVE
City,State,Zip: MANASSAS, VA 20110
Facility ID: Not reported
CAS Number: 8008-20-6
SIC Code: 48811
NAICS: Not reported
Entered Chemical Name: KEROSiNE
Average Amt Code: 5
Owner Name: Juan Riveria
Owner Phone: 7032578392
Contact Type: Not reported
Contact Information: Not reported
Filing Year: Not reported

Name: MANASSAS CITY REGIONAL AIRPORT
Address: 10451 WAKEMAN DRIVE
City,State,Zip: MANASSAS, VA 20110

**MANASSAS CITY REGIONAL AIRPORT (Continued)** **S110068386**

| | |
|---|---|
| Facility ID: | Not reported |
| CAS Number: | Not reported |
| SIC Code: | 48811 |
| NAICS: | Not reported |
| Entered Chemical Name: | Naptha, Isomerization |
| Average Amt Code: | 4 |
| Owner Name: | Juan Riveria |
| Owner Phone: | 7032578392 |
| Contact Type: | Not reported |
| Contact Information: | Not reported |
| Filing Year: | Not reported |

| | |
|---|---|
| Name: | MANASSAS CITY REGIONAL AIRPORT |
| Address: | 10451 WAKEMAN DRIVE |
| City,State,Zip: | MANASSAS, VA 20110 |
| Facility ID: | Not reported |
| CAS Number: | 86290-81-5 |
| SIC Code: | 48811 |
| NAICS: | Not reported |
| Entered Chemical Name: | Avgas |
| Average Amt Code: | 4 |
| Owner Name: | Juan Riveria |
| Owner Phone: | 7032578392 |
| Contact Type: | Not reported |
| Contact Information: | Not reported |
| Filing Year: | Not reported |

| | |
|---|---|
| Name: | MANASSAS CITY REGIONAL AIRPORT |
| Address: | 10451 WAKEMAN DRIVE |
| City,State,Zip: | MANASSAS, VA 20110 |
| Facility ID: | Not reported |
| CAS Number: | 86290-81-5 |
| SIC Code: | Not reported |
| NAICS: | 48811 |
| Entered Chemical Name: | Avgas |
| Average Amt Code: | 4 |
| Owner Name: | Juan Riveria |
| Owner Phone: | 5712380520 |
| Contact Type: | NAICS |
| Contact Information: | Not reported |
| Filing Year: | Not reported |

| | |
|---|---|
| Name: | MANASSAS CITY REGIONAL AIRPORT |
| Address: | 10451 WAKEMAN DRIVE |
| City,State,Zip: | MANASSAS, VA 20110 |
| Facility ID: | Not reported |
| CAS Number: | 86290-81-5 |
| SIC Code: | Not reported |
| NAICS: | 48811 |
| Entered Chemical Name: | Avgas |
| Average Amt Code: | 4 |
| Owner Name: | Juan Riveria |
| Owner Phone: | 7032578392 |
| Contact Type: | NAICS |
| Contact Information: | Not reported |
| Filing Year: | Not reported |

**MANASSAS CITY REGIONAL AIRPORT (Continued)** **S110068386**

| | |
|---|---|
| Name: | MANASSAS CITY REGIONAL AIRPORT |
| Address: | 10451 WAKEMAN DRIVE |
| City,State,Zip: | MANASSAS, VA 20110 |
| Facility ID: | Not reported |
| CAS Number: | Not reported |
| SIC Code: | Not reported |
| NAICS: | 48811 |
| Entered Chemical Name: | Naptha, Isomerization |
| Average Amt Code: | 4 |
| Owner Name: | Juan Riveria |
| Owner Phone: | 7032578392 |
| Contact Type: | NAICS |
| Contact Information: | Not reported |
| Filing Year: | Not reported |

| | |
|---|---|
| Name: | MANASSAS CITY REGIONAL AIRPORT |
| Address: | 10451 WAKEMAN DRIVE |
| City,State,Zip: | MANASSAS, VA 20110 |
| Facility ID: | Not reported |
| CAS Number: | 108-88-3 |
| SIC Code: | Not reported |
| NAICS: | 48811 |
| Entered Chemical Name: | TOLUENE |
| Average Amt Code: | 4 |
| Owner Name: | Juan Riveria |
| Owner Phone: | 5712380520 |
| Contact Type: | NAICS |
| Contact Information: | Not reported |
| Filing Year: | Not reported |

| | |
|---|---|
| Name: | MANASSAS CITY REGIONAL AIRPORT |
| Address: | 10451 WAKEMAN DRIVE |
| City,State,Zip: | MANASSAS, VA 20110 |
| Facility ID: | Not reported |
| CAS Number: | 108-88-3 |
| SIC Code: | Not reported |
| NAICS: | 48811 |
| Entered Chemical Name: | TOLUENE |
| Average Amt Code: | 4 |
| Owner Name: | Juan Riveria |
| Owner Phone: | 7032578392 |
| Contact Type: | NAICS |
| Contact Information: | Not reported |
| Filing Year: | Not reported |

| | |
|---|---|
| Name: | MANASSAS CITY REGIONAL AIRPORT |
| Address: | 10451 WAKEMAN DRIVE |
| City,State,Zip: | MANASSAS, VA 20110 |
| Facility ID: | Not reported |
| CAS Number: | 64741-66-8 |
| SIC Code: | Not reported |
| NAICS: | 48811 |
| Entered Chemical Name: | Naptha, Light Alkylate |
| Average Amt Code: | 5 |
| Owner Name: | Juan Riveria |
| Owner Phone: | 5712380520 |
| Contact Type: | NAICS |

**MANASSAS CITY REGIONAL AIRPORT (Continued)** **S110068386**

Contact Information: Not reported
Filing Year: Not reported

Name: MANASSAS CITY REGIONAL AIRPORT
Address: 10451 WAKEMAN DRIVE
City,State,Zip: MANASSAS, VA 20110
Facility ID: Not reported
CAS Number: 64741-66-8
SIC Code: Not reported
NAICS: 48811
Entered Chemical Name: Naptha, Light Alkylate
Average Amt Code: 5
Owner Name: Juan Riveria
Owner Phone: 7032578392
Contact Type: NAICS
Contact Information: Not reported
Filing Year: Not reported

Name: MANASSAS CITY REGIONAL AIRPORT
Address: 10451 WAKEMAN DRIVE
City,State,Zip: MANASSAS, VA 20110
Facility ID: Not reported
CAS Number: 64741-66-8
SIC Code: 48811
NAICS: Not reported
Entered Chemical Name: Naptha, Light Alkylate
Average Amt Code: 5
Owner Name: Juan Riveria
Owner Phone: 7032578392
Contact Type: Not reported
Contact Information: Not reported
Filing Year: Not reported

Name: MANASSAS CITY REGIONAL AIRPORT
Address: 10451 WAKEMAN DRIVE
City,State,Zip: MANASSAS, VA 20110
Facility ID: Not reported
CAS Number: 64741-66-8
SIC Code: 48811
NAICS: Not reported
Entered Chemical Name: Naptha, Light Alkylate
Average Amt Code: 5
Owner Name: Juan Riveria
Owner Phone: 5712380520
Contact Type: Not reported
Contact Information: Not reported
Filing Year: Not reported

Name: MANASSAS CITY REGIONAL AIRPORT
Address: 10451 WAKEMAN DRIVE
City,State,Zip: MANASSAS, VA 20110
Facility ID: Not reported
CAS Number: 8008-20-6
SIC Code: 48811
NAICS: Not reported
Entered Chemical Name: KEROSiNE
Average Amt Code: 5

**MANASSAS CITY REGIONAL AIRPORT (Continued)** **S110068386**

| | |
|---|---|
| Owner Name: | Juan Riveria |
| Owner Phone: | 5712380520 |
| Contact Type: | Not reported |
| Contact Information: | Not reported |
| Filing Year: | Not reported |

---

**H44** **GATEWAY GENERATION** **VA AST** **A100251685**
**Target Property** **10453 WAKEMAN DR** **N/A**
**MANASSAS, VA 20110**

**Site 4 of 6 in cluster H**

**Actual: 176 ft.**

**Focus Map: 5**

AST:

| | |
|---|---|
| Facility ID: | 3038092 |
| Facility Type: | LOCAL |
| CEDS Facility ID: | 2E+11 |

Tank Info:

Owner:

| | |
|---|---|
| Owner Id: | 36616 |
| Owner Name: | City of Manassas |
| Owner Address: | 8500 Public Works Dr |
| Owner Address2: | Not reported |
| Owner City/State/Zip: | Manassas, VA 20110 |
| Owner Type: | LOCAL |
| Number of Active AST: | 2 |
| Number of Active UST: | 0 |
| Number of Inactive AST: | 0 |
| Number of Inactive UST: | 0 |

| | |
|---|---|
| Fed Regulated: | No |
| Tank Number: | Day tank-1 |
| Tank Type: | AST |
| Tank Capacity: | 1000 |
| Tank Contents: | DIESEL |
| Tank Status: | CURR IN USE |
| Install Date: | 1/1/1997 |
| Date Closed: | Not reported |

Tank Containment:

| | |
|---|---|
| Install Date: | 1/1/1997 |
| Containment: Curbing | No |
| Containment: Weirs | No |
| Containment: Sorbent | No |
| Containment: Culvert | No |
| Containment: Diversion | No |
| Containment: Retention | No |
| Containment: Dike | No |
| Containment: Unknown | No |
| Containment: Other | No |
| Containment: Other Note | Not reported |

Release Detection:

| | |
|---|---|
| Release Detection: Ground Water | No |
| Release Detection: Visual | No |
| Release Detection: Vapor | No |
| Release Detection: Interstitial | No |
| Release Detection: None | No |

**GATEWAY GENERATION (Continued)** **A100251685**

| | |
|---|---|
| Release Detection: Other | No |
| Release Detection: Other Note | Not reported |
| Release Prevention: Double Bottom | No |
| Release Prevention: Double Walled | Yes |
| Release Prevention: Lined Interior | Not reported |
| Release Prevention: Poly Jacket | No |
| Release Prevention: Exc Liner | No |
| Release Prevention: None | No |
| Release Prevention: Unknown | No |
| Release Prevention: Other | No |
| Release Prevention: Other Note | Not reported |
| | |
| Tank Foundation: Steel | No |
| Tank Foundation: Earthen | No |
| Tank Foundation: Concrete Imp | Yes |
| Tank Foundation: Unknown | No |
| Tank Foundation: Other | No |
| Tank Foundation: Other Note | Not reported |
| Tank Roof: Float | No |
| Tank Roof: Cone | No |
| Tank Roof: Breather | Not reported |
| Tank Roof: Dbldeck | Not reported |
| Tank Roof: Pontoon | Not reported |
| Tank Roof: Balloon | Not reported |
| Tank Roof: Lifter | Not reported |
| Tank Roof: Pan | Not reported |
| Tank Roof: Other | Yes |
| Tank Roof: Other Note | Shop fabricated horizontal tank |

Tank Material:

| | |
|---|---|
| Tank Materials: Bare Steel | Yes |
| Tank Materials: Concrete | No |
| Tank Materials: Insulated Tank Jacket | No |
| Tank Materials: Unknown | No |
| Tank Materials: Other | No |
| Tank Materials: Other Note | Not reported |
| Tank Type Cathodic/CP: | Not reported |
| Tank Type Single Wall: | Not reported |
| Tank Type Double Wall: | Not reported |
| Tank Type Lined Interior: | Not reported |
| Tank Type Double Bottom: | Not reported |
| Tank Type Potable/Skid: | Not reported |
| Tank Type Shop Fabricated/Built: | Not reported |
| Tank Type Vaulted Below Grade: | Not reported |
| Tank Type Vertical: | Not reported |
| Tank Type Horizontal: | Not reported |
| Tank Type Unknown: | Not reported |
| Tank Type Other: | Not reported |
| Tank Type Other Specify: | Not reported |

Owner:

| | |
|---|---|
| Owner Id: | 36616 |
| Owner Name: | City of Manassas |
| Owner Address: | 8500 Public Works Dr |
| Owner Address2: | Not reported |

**GATEWAY GENERATION (Continued)** **A100251685**

| | |
|---|---|
| Owner City/State/Zip: | Manassas, VA 20110 |
| Owner Type: | LOCAL |
| Number of Active AST: | 2 |
| Number of Active UST: | 0 |
| Number of Inactive AST: | 0 |
| Number of Inactive UST: | 0 |
| Fed Regulated: | No |
| Tank Number: | Gateway-1 |
| Tank Type: | AST |
| Tank Capacity: | 10000 |
| Tank Contents: | DIESEL |
| Tank Status: | CURR IN USE |
| Install Date: | 4/1/1996 |
| Date Closed: | Not reported |

Tank Containment:

| | |
|---|---|
| Install Date: | 4/1/1996 |
| Containment: Curbing | Yes |
| Containment: Weirs | No |
| Containment: Sorbent | Yes |
| Containment: Culvert | No |
| Containment: Diversion | No |
| Containment: Retention | No |
| Containment: Dike | Yes |
| Containment: Unknown | No |
| Containment: Other | No |
| Containment: Other Note | Not reported |

Release Detection:

| | |
|---|---|
| Release Detection: Ground Water | No |
| Release Detection: Visual | No |
| Release Detection: Vapor | No |
| Release Detection: Interstitial | Yes |
| Release Detection: None | No |
| Release Detection: Other | No |
| Release Detection: Other Note | Not reported |
| Release Prevention: Double Bottom | No |
| Release Prevention: Double Walled | Yes |
| Release Prevention: Lined Interior | Not reported |
| Release Prevention: Poly Jacket | No |
| Release Prevention: Exc Liner | No |
| Release Prevention: None | No |
| Release Prevention: Unknown | No |
| Release Prevention: Other | No |
| Release Prevention: Other Note | Not reported |
| Tank Foundation: Steel | No |
| Tank Foundation: Earthen | No |
| Tank Foundation: Concrete Imp | Yes |
| Tank Foundation: Unknown | No |
| Tank Foundation: Other | No |
| Tank Foundation: Other Note | Not reported |
| Tank Roof: Float | No |
| Tank Roof: Cone | No |
| Tank Roof: Breather | Not reported |
| Tank Roof: Dbldeck | Not reported |

**GATEWAY GENERATION (Continued)** **A100251685**

| | |
|---|---|
| Tank Roof: Pontoon | Not reported |
| Tank Roof: Balloon | Not reported |
| Tank Roof: Lifter | Not reported |
| Tank Roof: Pan | Not reported |
| Tank Roof: Other | No |
| Tank Roof: Other Note | Not reported |

Tank Material:

| | |
|---|---|
| Tank Materials: Bare Steel | No |
| Tank Materials: Concrete | No |
| Tank Materials: Insulated Tank Jacket | No |
| Tank Materials: Unknown | No |
| Tank Materials: Other | No |
| Tank Materials: Other Note | Not reported |
| Tank Type Cathodic/CP: | Not reported |
| Tank Type Single Wall: | Not reported |
| Tank Type Double Wall: | Not reported |
| Tank Type Lined Interior: | Not reported |
| Tank Type Double Bottom: | Not reported |
| Tank Type Potable/Skid: | Not reported |
| Tank Type Shop Fabricated/Built: | Not reported |
| Tank Type Vaulted Below Grade: | Not reported |
| Tank Type Vertical: | Not reported |
| Tank Type Horizontal: | Not reported |
| Tank Type Unknown: | Not reported |
| Tank Type Other: | Not reported |
| Tank Type Other Specify: | Not reported |

---

**H45** **CITY OF MANASSAS - GATEWAY GENERATION** **US AIRS** **1010683720**
**Target** **10453 WAKEMAN DRIVE** **FINDS** **N/A**
**Property** **MANASSAS, VA 20110** **ECHO**
**VA AIRS**
**Site 5 of 6 in cluster H** **VA TIER 2**

**Actual:** **176 ft.**
**Focus Map:** **5**

US AIRS (AFS):

| | |
|---|---|
| Region Code: | 03 |
| County Code: | VA683 |
| Programmatic ID: | AIR VA0000005168300155 |
| Facility Registry ID: | 110031257360 |
| D and B Number: | Not reported |
| Facility Site Name: | CITY OF MANASSAS - GATEWAY GENERATION |
| Primary SIC Code: | Not reported |
| NAICS Code: | 221111 |
| Default Air Classification Code: | SMI |
| Facility Type of Ownership Code: | CNG |
| Air CMS Category Code: | Not reported |
| HPV Status: | Not reported |

US AIRS (AFS):

| | |
|---|---|
| Region Code: | 03 |
| Programmatic ID: | AIR VA0000005168300155 |
| Facility Registry ID: | 110031257360 |
| Air Operating Status Code: | OPR |
| Default Air Classification Code: | SMI |

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards

**CITY OF MANASSAS - GATEWAY GENERATION (Continued)** **1010683720**

Activity Date: 2016-04-13 00:00:00
Activity Status Date: 2016-04-21 11:09:44
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2015-02-20 00:00:00
Activity Status Date: 2015-03-31 16:08:42
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2014-02-25 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2013-02-26 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2012-03-12 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2012-02-16 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2011-01-25 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2010-02-25 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2009-10-02 00:00:00

**CITY OF MANASSAS - GATEWAY GENERATION (Continued)** **1010683720**

Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2009-05-29 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2009-05-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2009-03-20 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2008-03-17 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

FINDS:
Registry ID: 110031257360

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
ICIS-Air (AIR) AIR is the modernization of the Air Facility System (AFS) into the Integrated Compliance Information System (ICIS). AIR contains enforcement, compliance, and permit data for stationary sources of air pollution regulated by the EPA, State, and Local air pollution agencies.
The Air Facility System (AFS) contains compliance and permit data for stationary sources of air pollution regulated by the EPA, state, and local air pollution agencies.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1010683720
Registry ID: 110031257360
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110031257360
Name: CITY OF MANASSAS - GATEWAY GENERATION
Address: 10453 WAKEMAN DRIVE

**CITY OF MANASSAS - GATEWAY GENERATION (Continued)** **1010683720**

City,State,Zip: MANASSAS, VA 20110

AIRS:

| | |
|---|---|
| Facility ID: | 200000847106 |
| Name: | CITY OF MANASSAS - GATEWAY GENERATION |
| Address: | 10453 WAKEMAN DRIVE |
| Address 2: | Not reported |
| Address 3: | Not reported |
| City,State,Zip: | MANASSAS, VA 20110 |
| Application Number: | 1 |
| Mailing Address: | Energy Services |
| Mailing Address 3: | Not reported |
| Mailing Address 2: | 8500 Public Works Dr |
| Mailing City: | Manassas |
| Mailing State: | VA |
| Mailing Zip Code: | 20110 |
| Region: | NRO |
| Program Type: | Article 6 - mNSR |
| Issued Date: | 11/16/2007 |
| Owner Name: | James Bower |
| Owner Tele: | 7032578354 |
| Owner Title: | Systems Operations & Generation Manager |
| Permit Type: | MINOR |
| Owner Email: | jbower@ci.manassas.va.us |
| Operation Status: | Operating |
| Facility Full Name: | City of Manassas - Gateway Generation |
| ICIS Federal ID: | VA0000005168300155 |
| Currently Active (Y/N): | Y |
| Primary Program/Permit Type Description: | For legacy mapping purposes only (inactive for picklist purposes) |
| Permit Status: | Superseded |
| Latitude: | 38.731415 |
| Longitude: | -77.515305 |

AIRS:

| | |
|---|---|
| Registration Number: | 73642 |
| Contact Name: | Tarek M Aly |
| Contact Address: | 8500 Public Works Drive |
| Contact Address 2: | Not reported |
| Contact City,State,Zip: | Manassas, VA 20110 |
| Contact Country: | Not reported |
| Contact Email: | taly@ci.manassas.va.us |
| Contact Mobile: | Not reported |
| Contact Fax: | Not reported |
| Contact Telephone: | 7032578476 |
| Contact Telephone 2: | Not reported |
| Contact Title: | Deputy Director of Electrics |
| Contact Company: | City of Manassas |
| Mail Stop: | Not reported |
| Comments: | Not reported |
| Purpose: | Compliance Contact |

| | |
|---|---|
| Registration Number: | 73642 |
| Contact Name: | James A Bower |
| Contact Address: | 8500 Public Works Drive |
| Contact Address 2: | Not reported |
| Contact City,State,Zip: | Manassas, VA 20110 |
| Contact Country: | Not reported |

**CITY OF MANASSAS - GATEWAY GENERATION (Continued)** **1010683720**

| | |
|---|---|
| Contact Email: | jbower@ci.manassas.va.us |
| Contact Mobile: | Not reported |
| Contact Fax: | Not reported |
| Contact Telephone: | 7032578354 |
| Contact Telephone 2: | Not reported |
| Contact Title: | Systems Operations & Generation Manager |
| Contact Company: | City of Manassas (Virginia) |
| Mail Stop: | Not reported |
| Comments: | Not reported |
| Purpose: | Annual Update Contact, Compliance Contact, Permit Fee Contact, Responsible Official |

| | |
|---|---|
| Registration Number: | 73642 |
| Contact Name: | Nancy Rigby |
| Contact Address: | Not reported |
| Contact Address 2: | Not reported |
| Contact City,State,Zip: | VA |
| Contact Country: | Not reported |
| Contact Email: | Not reported |
| Contact Mobile: | Not reported |
| Contact Fax: | Not reported |
| Contact Telephone: | 7032578358 |
| Contact Telephone 2: | Not reported |
| Contact Title: | Not reported |
| Contact Company: | Not reported |
| Mail Stop: | Not reported |
| Comments: | Not reported |
| Purpose: | Compliance Contact |

| | |
|---|---|
| Registration Number: | 73642 |
| Contact Name: | David T Jones P.E. |
| Contact Address: | 8500 Public Works Drive |
| Contact Address 2: | Not reported |
| Contact City,State,Zip: | Manassas, VA 20110 |
| Contact Country: | Not reported |
| Contact Email: | Not reported |
| Contact Mobile: | Not reported |
| Contact Fax: | Not reported |
| Contact Telephone: | 7032578474 |
| Contact Telephone 2: | Not reported |
| Contact Title: | Acting Deputy Director of Electric |
| Contact Company: | City of Manassas |
| Mail Stop: | Not reported |
| Comments: | Not reported |
| Purpose: | Compliance Contact |

AIRS:

| | |
|---|---|
| Emission Year: | 2022 |
| Registration No: | 73642 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | Not reported |
| FIPS Code: | 683 |
| City/County: | Manassas |
| Pollutant Name: | Not reported |
| Pollutant Short Name: | Not reported |
| Value (tons/year): | Not reported |
| Federal Classification: | Synthetic Minor |

**CITY OF MANASSAS - GATEWAY GENERATION (Continued)** **1010683720**

| | |
|---|---|
| NAICS Primary Code: | 221112 |
| CO: | 6.059864058 |
| NH3: | Not reported |
| NOX: | 5.264064018 |
| PM 10: | Not reported |
| PM 2.5: | 0.7357395 |
| SO2: | 0.7357395 |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | Not reported |
| Longitude: | Not reported |
| | |
| Emission Year: | 2021 |
| Registration No: | 73642 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | Not reported |
| FIPS Code: | Manassas City |
| City/County: | 683 |
| Pollutant Name: | Not reported |
| Pollutant Short Name: | Not reported |
| Value (tons/year): | Not reported |
| Federal Classification: | Synthetic Minor |
| NAICS Primary Code: | 221112 |
| CO: | 4.88170 |
| NH3: | 0.00000 |
| NOX: | 4.16940 |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | 0.58820 |
| VOC: | 0.00000 |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | Not reported |
| Longitude: | Not reported |
| | |
| Emission Year: | 2018 |
| Registration No: | 73642 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | Not reported |
| City/County: | Manassas City |
| Pollutant Name: | Nitrogen Oxide |
| Pollutant Short Name: | NOX |
| Value (tons/year): | 0.5437974 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.731189 |

**CITY OF MANASSAS - GATEWAY GENERATION (Continued)** **1010683720**

| | |
|---|---|
| Longitude: | -77.5139 |
| Emission Year: | 2018 |
| Registration No: | 73642 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | Not reported |
| City/County: | Manassas City |
| Pollutant Name: | Particulate Matter |
| Pollutant Short Name: | PM |
| Value (tons/year): | 0.0825099 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.731189 |
| Longitude: | -77.5139 |
| Emission Year: | 2018 |
| Registration No: | 73642 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | Not reported |
| City/County: | Manassas City |
| Pollutant Name: | Particulate Matter 10 |
| Pollutant Short Name: | PM 10 |
| Value (tons/year): | 0.0825099 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.731189 |
| Longitude: | -77.5139 |
| Emission Year: | 2018 |
| Registration No: | 73642 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | Not reported |
| City/County: | Manassas City |
| Pollutant Name: | Carbon Monoxide |
| Pollutant Short Name: | CO |
| Value (tons/year): | 0.72292485 |

**CITY OF MANASSAS - GATEWAY GENERATION (Continued)** **1010683720**

| | |
|---|---|
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.731189 |
| Longitude: | -77.5139 |
| | |
| Emission Year: | 2018 |
| Registration No: | 73642 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | Not reported |
| City/County: | Manassas City |
| Pollutant Name: | Volatile Organic Compounds |
| Pollutant Short Name: | VOC |
| Value (tons/year): | 0.2368851 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.731189 |
| Longitude: | -77.5139 |
| | |
| Emission Year: | 2015 |
| Registration No: | 73642 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Nitrogen Oxide |
| Pollutant Short Name: | NOX |
| Value (tons/year): | 1.25014125 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |

**CITY OF MANASSAS - GATEWAY GENERATION (Continued)** **1010683720**

| | |
|---|---|
| Latitude: | 38.731415 |
| Longitude: | -77.515305 |
| | |
| Emission Year: | 2015 |
| Registration No: | 73642 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Particulate Matter |
| Pollutant Short Name: | PM |
| Value (tons/year): | 0.1588323 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.731415 |
| Longitude: | -77.515305 |
| | |
| Emission Year: | 2015 |
| Registration No: | 73642 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Volatile Organic Compounds |
| Pollutant Short Name: | VOC |
| Value (tons/year): | 0.37298545 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.731415 |
| Longitude: | -77.515305 |
| | |
| Emission Year: | 2015 |
| Registration No: | 73642 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Sulfur Dioxide |
| Pollutant Short Name: | SO2 |

**CITY OF MANASSAS - GATEWAY GENERATION (Continued)** **1010683720**

| | |
|---|---|
| Value (tons/year): | 0.002586592 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.731415 |
| Longitude: | -77.515305 |
| | |
| Emission Year: | 2015 |
| Registration No: | 73642 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Carbon Monoxide |
| Pollutant Short Name: | CO |
| Value (tons/year): | 1.20231465 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.731415 |
| Longitude: | -77.515305 |
| | |
| Emission Year: | 2015 |
| Registration No: | 73642 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Particulate Matter 10 |
| Pollutant Short Name: | PM 10 |
| Value (tons/year): | 0.1588323 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |

**CITY OF MANASSAS - GATEWAY GENERATION (Continued)** **1010683720**

| | |
|---|---|
| PB: | Not reported |
| Latitude: | 38.731415 |
| Longitude: | -77.515305 |
| | |
| Emission Year: | 2014 |
| Registration No: | 73642 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Nitrogen Oxide |
| Pollutant Short Name: | NOX |
| Value (tons/year): | 0.905030825 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.731415 |
| Longitude: | -77.515305 |
| | |
| Emission Year: | 2014 |
| Registration No: | 73642 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Particulate Matter |
| Pollutant Short Name: | PM |
| Value (tons/year): | 0.12866725 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.731415 |
| Longitude: | -77.515305 |
| | |
| Emission Year: | 2014 |
| Registration No: | 73642 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Volatile Organic Compounds |

**CITY OF MANASSAS - GATEWAY GENERATION (Continued)** **1010683720**

| | |
|---|---|
| Pollutant Short Name: | VOC |
| Value (tons/year): | 0.346118625 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.731415 |
| Longitude: | -77.515305 |
| | |
| Emission Year: | 2014 |
| Registration No: | 73642 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Sulfur Dioxide |
| Pollutant Short Name: | SO2 |
| Value (tons/year): | 0.0028214 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.731415 |
| Longitude: | -77.515305 |
| | |
| Emission Year: | 2014 |
| Registration No: | 73642 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Carbon Monoxide |
| Pollutant Short Name: | CO |
| Value (tons/year): | 1.074243575 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |

**CITY OF MANASSAS - GATEWAY GENERATION (Continued)** **1010683720**

| | |
|---|---|
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.731415 |
| Longitude: | -77.515305 |
| | |
| Emission Year: | 2014 |
| Registration No: | 73642 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Particulate Matter 10 |
| Pollutant Short Name: | PM 10 |
| Value (tons/year): | 0.12866725 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.731415 |
| Longitude: | -77.515305 |
| | |
| Emission Year: | 2018 |
| Registration No: | 73642 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | Not reported |
| City/County: | Manassas City |
| Pollutant Name: | Sulfur Dioxide |
| Pollutant Short Name: | SO2 |
| Value (tons/year): | 0.002055816 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.731189 |
| Longitude: | -77.5139 |
| | |
| Emission Year: | 2013 |
| Registration No: | 73642 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |

**CITY OF MANASSAS - GATEWAY GENERATION (Continued)** **1010683720**

| | |
|---|---|
| Pollutant Name: | Nitrogen Oxide |
| Pollutant Short Name: | NOX |
| Value (tons/year): | 0.656144 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.731415 |
| Longitude: | -77.515305 |

| | |
|---|---|
| Emission Year: | 2013 |
| Registration No: | 73642 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Particulate Matter |
| Pollutant Short Name: | PM |
| Value (tons/year): | 0.0968785 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.731415 |
| Longitude: | -77.515305 |

| | |
|---|---|
| Emission Year: | 2013 |
| Registration No: | 73642 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Volatile Organic Compounds |
| Pollutant Short Name: | VOC |
| Value (tons/year): | 0.2709315 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |

**CITY OF MANASSAS - GATEWAY GENERATION (Continued)** **1010683720**

| | |
|---|---|
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.731415 |
| Longitude: | -77.515305 |
| | |
| Emission Year: | 2013 |
| Registration No: | 73642 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Sulfur Dioxide |
| Pollutant Short Name: | SO2 |
| Value (tons/year): | 0.00229484 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.731415 |
| Longitude: | -77.515305 |
| | |
| Emission Year: | 2013 |
| Registration No: | 73642 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Carbon Monoxide |
| Pollutant Short Name: | CO |
| Value (tons/year): | 0.83238575 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.731415 |
| Longitude: | -77.515305 |
| | |
| Emission Year: | 2013 |
| Registration No: | 73642 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |

**CITY OF MANASSAS - GATEWAY GENERATION (Continued)** **1010683720**

| | |
|---|---|
| City/County: | Manassas City |
| Pollutant Name: | Particulate Matter 10 |
| Pollutant Short Name: | PM 10 |
| Value (tons/year): | 0.0968785 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.731415 |
| Longitude: | -77.515305 |

| | |
|---|---|
| Emission Year: | 2019 |
| Registration No: | 73642 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | Not reported |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Not reported |
| Pollutant Short Name: | Not reported |
| Value (tons/year): | Not reported |
| Federal Classification: | Synthetic Minor |
| NAICS Primary Code: | 221112 |
| CO: | 1.04 |
| NH3: | 0.00 |
| NOX: | 0.95 |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | 0.13 |
| VOC: | 0.00 |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | Not reported |
| Longitude: | Not reported |

| | |
|---|---|
| Emission Year: | 2017 |
| Registration No: | 73642 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Nitrogen Oxide |
| Pollutant Short Name: | NOX |
| Value (tons/year): | 0.28486788000000002 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |

**CITY OF MANASSAS - GATEWAY GENERATION (Continued)** **1010683720**

| | |
|---|---|
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.731415 |
| Longitude: | -77.515305 |
| | |
| Emission Year: | 2017 |
| Registration No: | 73642 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Particulate Matter |
| Pollutant Short Name: | PM |
| Value (tons/year): | 4.0800299999999998E-2 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.731415 |
| Longitude: | -77.515305 |
| | |
| Emission Year: | 2017 |
| Registration No: | 73642 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Volatile Organic Compounds |
| Pollutant Short Name: | VOC |
| Value (tons/year): | 0.1106183 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.731415 |
| Longitude: | -77.515305 |
| | |
| Emission Year: | 2017 |
| Registration No: | 73642 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |

**CITY OF MANASSAS - GATEWAY GENERATION (Continued)** **1010683720**

| | |
|---|---|
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Sulfur Dioxide |
| Pollutant Short Name: | SO2 |
| Value (tons/year): | 9.0893600000000005E-4 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.731415 |
| Longitude: | -77.515305 |

| | |
|---|---|
| Emission Year: | 2017 |
| Registration No: | 73642 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Carbon Monoxide |
| Pollutant Short Name: | CO |
| Value (tons/year): | 0.34261292999999998 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.731415 |
| Longitude: | -77.515305 |

| | |
|---|---|
| Emission Year: | 2017 |
| Registration No: | 73642 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Particulate Matter 10 |
| Pollutant Short Name: | PM 10 |
| Value (tons/year): | 4.0800299999999998E-2 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |

**CITY OF MANASSAS - GATEWAY GENERATION (Continued)** **1010683720**

| | |
|---|---|
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.731415 |
| Longitude: | -77.515305 |
| | |
| Emission Year: | 2016 |
| Registration No: | 73642 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Nitrogen Oxide |
| Pollutant Short Name: | NOX |
| Value (tons/year): | 0.311456875 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.731415 |
| Longitude: | -77.515305 |
| | |
| Emission Year: | 2016 |
| Registration No: | 73642 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Particulate Matter |
| Pollutant Short Name: | PM |
| Value (tons/year): | 0.04346435 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.731415 |
| Longitude: | -77.515305 |
| | |
| Emission Year: | 2016 |
| Registration No: | 73642 |
| SIC Primary Code: | 4911 |

**CITY OF MANASSAS - GATEWAY GENERATION (Continued)** **1010683720**

| | |
|---|---|
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Volatile Organic Compounds |
| Pollutant Short Name: | VOC |
| Value (tons/year): | 0.114579275 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.731415 |
| Longitude: | -77.515305 |

| | |
|---|---|
| Emission Year: | 2016 |
| Registration No: | 73642 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Sulfur Dioxide |
| Pollutant Short Name: | SO2 |
| Value (tons/year): | 0.000914424 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.731415 |
| Longitude: | -77.515305 |

| | |
|---|---|
| Emission Year: | 2016 |
| Registration No: | 73642 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Carbon Monoxide |
| Pollutant Short Name: | CO |
| Value (tons/year): | 0.357545425 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |

**CITY OF MANASSAS - GATEWAY GENERATION (Continued)** **1010683720**

| | |
|---|---|
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.731415 |
| Longitude: | -77.515305 |
| | |
| Emission Year: | 2016 |
| Registration No: | 73642 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Particulate Matter 10 |
| Pollutant Short Name: | PM 10 |
| Value (tons/year): | 0.04346435 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.731415 |
| Longitude: | -77.515305 |
| | |
| Facility ID: | 200000847106 |
| Name: | CITY OF MANASSAS - GATEWAY GENERATION |
| Address: | 10453 WAKEMAN DRIVE |
| Address 2: | Not reported |
| Address 3: | Not reported |
| City,State,Zip: | MANASSAS, VA 20110 |
| Application Number: | 3 |
| Mailing Address: | Energy Services |
| Mailing Address 3: | Not reported |
| Mailing Address 2: | 8500 Public Works Dr |
| Mailing City: | Manassas |
| Mailing State: | VA |
| Mailing Zip Code: | 20110 |
| Region: | NRO |
| Program Type: | Article 6 - mNSR |
| Issued Date: | 11/30/2012 |
| Owner Name: | James Bower |
| Owner Tele: | 7032578354 |
| Owner Title: | Systems Operations & Generation Manager |
| Permit Type: | SIGAMEN |
| Owner Email: | jbower@ci.manassas.va.us |
| Operation Status: | Operating |
| Facility Full Name: | City of Manassas - Gateway Generation |
| ICIS Federal ID: | VA0000005168300155 |

**CITY OF MANASSAS - GATEWAY GENERATION (Continued)** **1010683720**

Currently Active (Y/N): Y
Primary Program/Permit Type Description: For legacy mapping purposes only (inactive for picklist purposes)
Permit Status: Issued
Latitude: 38.731415
Longitude: -77.515305

AIRS:
Registration Number: 73642
Contact Name: Tarek M Aly
Contact Address: 8500 Public Works Drive
Contact Address 2: Not reported
Contact City,State,Zip: Manassas, VA 20110
Contact Country: Not reported
Contact Email: taly@ci.manassas.va.us
Contact Mobile: Not reported
Contact Fax: Not reported
Contact Telephone: 7032578476
Contact Telephone 2: Not reported
Contact Title: Deputy Director of Electrics
Contact Company: City of Manassas
Mail Stop: Not reported
Comments: Not reported
Purpose: Compliance Contact

Registration Number: 73642
Contact Name: James A Bower
Contact Address: 8500 Public Works Drive
Contact Address 2: Not reported
Contact City,State,Zip: Manassas, VA 20110
Contact Country: Not reported
Contact Email: jbower@ci.manassas.va.us
Contact Mobile: Not reported
Contact Fax: Not reported
Contact Telephone: 7032578354
Contact Telephone 2: Not reported
Contact Title: Systems Operations & Generation Manager
Contact Company: City of Manassas (Virginia)
Mail Stop: Not reported
Comments: Not reported
Purpose: Annual Update Contact, Compliance Contact, Permit Fee Contact, Responsible Official

Registration Number: 73642
Contact Name: Nancy Rigby
Contact Address: Not reported
Contact Address 2: Not reported
Contact City,State,Zip: VA
Contact Country: Not reported
Contact Email: Not reported
Contact Mobile: Not reported
Contact Fax: Not reported
Contact Telephone: 7032578358
Contact Telephone 2: Not reported
Contact Title: Not reported
Contact Company: Not reported
Mail Stop: Not reported
Comments: Not reported
Purpose: Compliance Contact

**CITY OF MANASSAS - GATEWAY GENERATION (Continued)** **1010683720**

| | |
|---|---|
| Registration Number: | 73642 |
| Contact Name: | David T Jones P.E. |
| Contact Address: | 8500 Public Works Drive |
| Contact Address 2: | Not reported |
| Contact City,State,Zip: | Manassas, VA 20110 |
| Contact Country: | Not reported |
| Contact Email: | Not reported |
| Contact Mobile: | Not reported |
| Contact Fax: | Not reported |
| Contact Telephone: | 7032578474 |
| Contact Telephone 2: | Not reported |
| Contact Title: | Acting Deputy Director of Electric |
| Contact Company: | City of Manassas |
| Mail Stop: | Not reported |
| Comments: | Not reported |
| Purpose: | Compliance Contact |

AIRS:

| | |
|---|---|
| Emission Year: | 2022 |
| Registration No: | 73642 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | Not reported |
| FIPS Code: | 683 |
| City/County: | Manassas |
| Pollutant Name: | Not reported |
| Pollutant Short Name: | Not reported |
| Value (tons/year): | Not reported |
| Federal Classification: | Synthetic Minor |
| NAICS Primary Code: | 221112 |
| CO: | 6.059864058 |
| NH3: | Not reported |
| NOX: | 5.264064018 |
| PM 10: | Not reported |
| PM 2.5: | 0.7357395 |
| SO2: | 0.7357395 |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | Not reported |
| Longitude: | Not reported |

| | |
|---|---|
| Emission Year: | 2021 |
| Registration No: | 73642 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | Not reported |
| FIPS Code: | Manassas City |
| City/County: | 683 |
| Pollutant Name: | Not reported |
| Pollutant Short Name: | Not reported |
| Value (tons/year): | Not reported |
| Federal Classification: | Synthetic Minor |
| NAICS Primary Code: | 221112 |
| CO: | 4.88170 |
| NH3: | 0.00000 |
| NOX: | 4.16940 |
| PM 10: | Not reported |
| PM 2.5: | Not reported |

**CITY OF MANASSAS - GATEWAY GENERATION (Continued)** **1010683720**

| | |
|---|---|
| SO2: | 0.58820 |
| VOC: | 0.00000 |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | Not reported |
| Longitude: | Not reported |
| | |
| Emission Year: | 2018 |
| Registration No: | 73642 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | Not reported |
| City/County: | Manassas City |
| Pollutant Name: | Nitrogen Oxide |
| Pollutant Short Name: | NOX |
| Value (tons/year): | 0.5437974 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.731189 |
| Longitude: | -77.5139 |
| | |
| Emission Year: | 2018 |
| Registration No: | 73642 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | Not reported |
| City/County: | Manassas City |
| Pollutant Name: | Particulate Matter |
| Pollutant Short Name: | PM |
| Value (tons/year): | 0.0825099 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.731189 |
| Longitude: | -77.5139 |
| | |
| Emission Year: | 2018 |
| Registration No: | 73642 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |

**CITY OF MANASSAS - GATEWAY GENERATION (Continued)** **1010683720**

| | |
|---|---|
| FIPS Code: | Not reported |
| City/County: | Manassas City |
| Pollutant Name: | Particulate Matter 10 |
| Pollutant Short Name: | PM 10 |
| Value (tons/year): | 0.0825099 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.731189 |
| Longitude: | -77.5139 |

| | |
|---|---|
| Emission Year: | 2018 |
| Registration No: | 73642 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | Not reported |
| City/County: | Manassas City |
| Pollutant Name: | Carbon Monoxide |
| Pollutant Short Name: | CO |
| Value (tons/year): | 0.72292485 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.731189 |
| Longitude: | -77.5139 |

| | |
|---|---|
| Emission Year: | 2018 |
| Registration No: | 73642 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | Not reported |
| City/County: | Manassas City |
| Pollutant Name: | Volatile Organic Compounds |
| Pollutant Short Name: | VOC |
| Value (tons/year): | 0.2368851 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |

**CITY OF MANASSAS - GATEWAY GENERATION (Continued)** **1010683720**

| | |
|---|---|
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.731189 |
| Longitude: | -77.5139 |
| | |
| Emission Year: | 2015 |
| Registration No: | 73642 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Nitrogen Oxide |
| Pollutant Short Name: | NOX |
| Value (tons/year): | 1.25014125 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.731415 |
| Longitude: | -77.515305 |
| | |
| Emission Year: | 2015 |
| Registration No: | 73642 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Particulate Matter |
| Pollutant Short Name: | PM |
| Value (tons/year): | 0.1588323 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.731415 |
| Longitude: | -77.515305 |
| | |
| Emission Year: | 2015 |
| Registration No: | 73642 |
| SIC Primary Code: | 4911 |

**CITY OF MANASSAS - GATEWAY GENERATION (Continued)** **1010683720**

| | |
|---|---|
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Volatile Organic Compounds |
| Pollutant Short Name: | VOC |
| Value (tons/year): | 0.37298545 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.731415 |
| Longitude: | -77.515305 |

| | |
|---|---|
| Emission Year: | 2015 |
| Registration No: | 73642 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Sulfur Dioxide |
| Pollutant Short Name: | SO2 |
| Value (tons/year): | 0.002586592 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.731415 |
| Longitude: | -77.515305 |

| | |
|---|---|
| Emission Year: | 2015 |
| Registration No: | 73642 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Carbon Monoxide |
| Pollutant Short Name: | CO |
| Value (tons/year): | 1.20231465 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |

**CITY OF MANASSAS - GATEWAY GENERATION (Continued)** **1010683720**

| | |
|---|---|
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.731415 |
| Longitude: | -77.515305 |
| | |
| Emission Year: | 2015 |
| Registration No: | 73642 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Particulate Matter 10 |
| Pollutant Short Name: | PM 10 |
| Value (tons/year): | 0.1588323 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.731415 |
| Longitude: | -77.515305 |
| | |
| Emission Year: | 2014 |
| Registration No: | 73642 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Nitrogen Oxide |
| Pollutant Short Name: | NOX |
| Value (tons/year): | 0.905030825 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.731415 |
| Longitude: | -77.515305 |
| | |
| Emission Year: | 2014 |
| Registration No: | 73642 |

**CITY OF MANASSAS - GATEWAY GENERATION (Continued)** **1010683720**

| | |
|---|---|
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Particulate Matter |
| Pollutant Short Name: | PM |
| Value (tons/year): | 0.12866725 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.731415 |
| Longitude: | -77.515305 |

| | |
|---|---|
| Emission Year: | 2014 |
| Registration No: | 73642 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Volatile Organic Compounds |
| Pollutant Short Name: | VOC |
| Value (tons/year): | 0.346118625 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.731415 |
| Longitude: | -77.515305 |

| | |
|---|---|
| Emission Year: | 2014 |
| Registration No: | 73642 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Sulfur Dioxide |
| Pollutant Short Name: | SO2 |
| Value (tons/year): | 0.0028214 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |

**CITY OF MANASSAS - GATEWAY GENERATION (Continued)** **1010683720**

| | |
|---|---|
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.731415 |
| Longitude: | -77.515305 |
| | |
| Emission Year: | 2014 |
| Registration No: | 73642 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Carbon Monoxide |
| Pollutant Short Name: | CO |
| Value (tons/year): | 1.074243575 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.731415 |
| Longitude: | -77.515305 |
| | |
| Emission Year: | 2014 |
| Registration No: | 73642 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Particulate Matter 10 |
| Pollutant Short Name: | PM 10 |
| Value (tons/year): | 0.12866725 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.731415 |
| Longitude: | -77.515305 |
| | |
| Emission Year: | 2018 |

**CITY OF MANASSAS - GATEWAY GENERATION (Continued)** **1010683720**

| | |
|---|---|
| Registration No: | 73642 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | Not reported |
| City/County: | Manassas City |
| Pollutant Name: | Sulfur Dioxide |
| Pollutant Short Name: | SO2 |
| Value (tons/year): | 0.002055816 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.731189 |
| Longitude: | -77.5139 |

| | |
|---|---|
| Emission Year: | 2013 |
| Registration No: | 73642 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Nitrogen Oxide |
| Pollutant Short Name: | NOX |
| Value (tons/year): | 0.656144 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.731415 |
| Longitude: | -77.515305 |

| | |
|---|---|
| Emission Year: | 2013 |
| Registration No: | 73642 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Particulate Matter |
| Pollutant Short Name: | PM |
| Value (tons/year): | 0.0968785 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |

**CITY OF MANASSAS - GATEWAY GENERATION (Continued)** **1010683720**

| | |
|---|---|
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.731415 |
| Longitude: | -77.515305 |

| | |
|---|---|
| Emission Year: | 2013 |
| Registration No: | 73642 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Volatile Organic Compounds |
| Pollutant Short Name: | VOC |
| Value (tons/year): | 0.2709315 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.731415 |
| Longitude: | -77.515305 |

| | |
|---|---|
| Emission Year: | 2013 |
| Registration No: | 73642 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Sulfur Dioxide |
| Pollutant Short Name: | SO2 |
| Value (tons/year): | 0.00229484 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.731415 |
| Longitude: | -77.515305 |

**CITY OF MANASSAS - GATEWAY GENERATION (Continued)** **1010683720**

| | |
|---|---|
| Emission Year: | 2013 |
| Registration No: | 73642 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Carbon Monoxide |
| Pollutant Short Name: | CO |
| Value (tons/year): | 0.83238575 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.731415 |
| Longitude: | -77.515305 |

| | |
|---|---|
| Emission Year: | 2013 |
| Registration No: | 73642 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Particulate Matter 10 |
| Pollutant Short Name: | PM 10 |
| Value (tons/year): | 0.0968785 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.731415 |
| Longitude: | -77.515305 |

| | |
|---|---|
| Emission Year: | 2019 |
| Registration No: | 73642 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | Not reported |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Not reported |
| Pollutant Short Name: | Not reported |
| Value (tons/year): | Not reported |
| Federal Classification: | Synthetic Minor |
| NAICS Primary Code: | 221112 |

**CITY OF MANASSAS - GATEWAY GENERATION (Continued)** **1010683720**

| | |
|---|---|
| CO: | 1.04 |
| NH3: | 0.00 |
| NOX: | 0.95 |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | 0.13 |
| VOC: | 0.00 |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | Not reported |
| Longitude: | Not reported |
| | |
| Emission Year: | 2017 |
| Registration No: | 73642 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Nitrogen Oxide |
| Pollutant Short Name: | NOX |
| Value (tons/year): | 0.28486788000000002 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.731415 |
| Longitude: | -77.515305 |
| | |
| Emission Year: | 2017 |
| Registration No: | 73642 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Particulate Matter |
| Pollutant Short Name: | PM |
| Value (tons/year): | 4.0800299999999998E-2 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.731415 |
| Longitude: | -77.515305 |

**CITY OF MANASSAS - GATEWAY GENERATION (Continued)** **1010683720**

| | |
|---|---|
| Emission Year: | 2017 |
| Registration No: | 73642 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Volatile Organic Compounds |
| Pollutant Short Name: | VOC |
| Value (tons/year): | 0.1106183 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.731415 |
| Longitude: | -77.515305 |

| | |
|---|---|
| Emission Year: | 2017 |
| Registration No: | 73642 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Sulfur Dioxide |
| Pollutant Short Name: | SO2 |
| Value (tons/year): | 9.0893600000000005E-4 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.731415 |
| Longitude: | -77.515305 |

| | |
|---|---|
| Emission Year: | 2017 |
| Registration No: | 73642 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Carbon Monoxide |
| Pollutant Short Name: | CO |
| Value (tons/year): | 0.34261292999999998 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |

**CITY OF MANASSAS - GATEWAY GENERATION (Continued)** **1010683720**

| | |
|---|---|
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.731415 |
| Longitude: | -77.515305 |
| | |
| Emission Year: | 2017 |
| Registration No: | 73642 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Particulate Matter 10 |
| Pollutant Short Name: | PM 10 |
| Value (tons/year): | 4.0800299999999998E-2 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.731415 |
| Longitude: | -77.515305 |
| | |
| Emission Year: | 2016 |
| Registration No: | 73642 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Nitrogen Oxide |
| Pollutant Short Name: | NOX |
| Value (tons/year): | 0.311456875 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.731415 |
| Longitude: | -77.515305 |

**CITY OF MANASSAS - GATEWAY GENERATION (Continued)** **1010683720**

| | |
|---|---|
| Emission Year: | 2016 |
| Registration No: | 73642 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Particulate Matter |
| Pollutant Short Name: | PM |
| Value (tons/year): | 0.04346435 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.731415 |
| Longitude: | -77.515305 |

| | |
|---|---|
| Emission Year: | 2016 |
| Registration No: | 73642 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Volatile Organic Compounds |
| Pollutant Short Name: | VOC |
| Value (tons/year): | 0.114579275 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.731415 |
| Longitude: | -77.515305 |

| | |
|---|---|
| Emission Year: | 2016 |
| Registration No: | 73642 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Sulfur Dioxide |
| Pollutant Short Name: | SO2 |
| Value (tons/year): | 0.000914424 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |

**CITY OF MANASSAS - GATEWAY GENERATION (Continued)** **1010683720**

| | |
|---|---|
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.731415 |
| Longitude: | -77.515305 |
| | |
| Emission Year: | 2016 |
| Registration No: | 73642 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Carbon Monoxide |
| Pollutant Short Name: | CO |
| Value (tons/year): | 0.357545425 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.731415 |
| Longitude: | -77.515305 |
| | |
| Emission Year: | 2016 |
| Registration No: | 73642 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Particulate Matter 10 |
| Pollutant Short Name: | PM 10 |
| Value (tons/year): | 0.04346435 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.731415 |
| Longitude: | -77.515305 |

**CITY OF MANASSAS - GATEWAY GENERATION (Continued)** **1010683720**

TIER 2:

| | |
|---|---|
| Name: | MANASSAS CITY AIRPORT COMPLEX GENERATOR FACILITY |
| Address: | 10453 WAKEMAN DRIVE |
| City,State,Zip: | MANASSAS, VA 20110 |
| Facility ID: | Not reported |
| CAS Number: | Not reported |
| SIC Code: | Not reported |
| NAICS: | 4911 |
| Entered Chemical Name: | FUEL OIL, [NO. 2] |
| Average Amt Code: | 5 |
| Owner Name: | Tarek Aly |
| Owner Phone: | 7032578476 |
| Contact Type: | SIC |
| Contact Information: | Not reported |
| Filing Year: | Not reported |

| | |
|---|---|
| Name: | MANASSAS CITY AIRPORT COMPLEX GENERATOR FACILITY |
| Address: | 10453 WAKEMAN DRIVE |
| City,State,Zip: | MANASSAS, VA 20110 |
| Facility ID: | Not reported |
| CAS Number: | Not reported |
| SIC Code: | Not reported |
| NAICS: | 4911 |
| Entered Chemical Name: | FUEL OIL, [NO. 2] |
| Average Amt Code: | 5 |
| Owner Name: | Tarek Aly |
| Owner Phone: | 5716439327 |
| Contact Type: | SIC |
| Contact Information: | Not reported |
| Filing Year: | Not reported |

| | |
|---|---|
| Name: | MANASSAS CITY AIRPORT COMPLEX GENERATOR FACILITY |
| Address: | 10453 WAKEMAN DRIVE |
| City,State,Zip: | MANASSAS, VA 20110 |
| Facility ID: | Not reported |
| CAS Number: | Not reported |
| SIC Code: | Not reported |
| NAICS: | 4911 |
| Entered Chemical Name: | FUEL OIL, [NO. 2] |
| Average Amt Code: | 5 |
| Owner Name: | Tarek Aly |
| Owner Phone: | 7032578353 |
| Contact Type: | SIC |
| Contact Information: | Not reported |
| Filing Year: | Not reported |

| | |
|---|---|
| Name: | MANASSAS CITY AIRPORT COMPLEX GENERATOR FACILITY |
| Address: | 10453 WAKEMAN DRIVE |
| City,State,Zip: | MANASSAS, VA 20110 |
| Facility ID: | Not reported |
| CAS Number: | Not reported |
| SIC Code: | Not reported |
| NAICS: | 22111 |
| Entered Chemical Name: | FUEL OIL, [NO. 2] |
| Average Amt Code: | 5 |
| Owner Name: | Tarek Aly |
| Owner Phone: | 7032578476 |

**CITY OF MANASSAS - GATEWAY GENERATION (Continued)** **1010683720**

Contact Type: NAICS
Contact Information: Not reported
Filing Year: Not reported

Name: MANASSAS CITY AIRPORT COMPLEX GENERATOR FACILITY
Address: 10453 WAKEMAN DRIVE
City,State,Zip: MANASSAS, VA 20110
Facility ID: Not reported
CAS Number: Not reported
SIC Code: Not reported
NAICS: 22111
Entered Chemical Name: FUEL OIL, [NO. 2]
Average Amt Code: 5
Owner Name: Tarek Aly
Owner Phone: 5716439327
Contact Type: NAICS
Contact Information: Not reported
Filing Year: Not reported

Name: MANASSAS CITY AIRPORT COMPLEX GENERATOR FACILITY
Address: 10453 WAKEMAN DRIVE
City,State,Zip: MANASSAS, VA 20110
Facility ID: Not reported
CAS Number: Not reported
SIC Code: Not reported
NAICS: 22111
Entered Chemical Name: FUEL OIL, [NO. 2]
Average Amt Code: 5
Owner Name: Tarek Aly
Owner Phone: 7032578353
Contact Type: NAICS
Contact Information: Not reported
Filing Year: Not reported

Name: MANASSAS CITY AIRPORT COMPLEX GENERATOR FACILITY
Address: 10453 WAKEMAN DRIVE
City,State,Zip: MANASSAS, VA 20110
Facility ID: Not reported
CAS Number: Not reported
SIC Code: 22111
NAICS: Not reported
Entered Chemical Name: FUEL OIL, [NO. 2]
Average Amt Code: 5
Owner Name: Gregg Paulson
Owner Phone: 5719215999
Contact Type: Not reported
Contact Information: Not reported
Filing Year: Not reported

Name: MANASSAS CITY AIRPORT COMPLEX GENERATOR FACILITY
Address: 10453 WAKEMAN DRIVE
City,State,Zip: MANASSAS, VA 20110
Facility ID: Not reported
CAS Number: Not reported
SIC Code: 22111
NAICS: Not reported
Entered Chemical Name: FUEL OIL, [NO. 2]

**CITY OF MANASSAS - GATEWAY GENERATION (Continued)** **1010683720**

Average Amt Code: 5
Owner Name: Gregg Paulson
Owner Phone: 7032578474
Contact Type: Not reported
Contact Information: Not reported
Filing Year: Not reported

---

**H46** **CITY OF MANASSAS - AIRPORT COMPLEX GENERATOR FACIL** **VA TIER 2** **S118191854**
**Target Property** **10453 WAKEMAN DRIVE** **N/A**
**MANASSAS, VA 20110**

**Site 6 of 6 in cluster H**

**Actual: 176 ft.**
**Focus Map: 5**

TIER 2:
Name: CITY OF MANASSAS - AIRPORT COMPLEX GENERATOR FACILITY
Address: 10453 WAKEMAN DRIVE
City,State,Zip: MANASSAS, VA 20110
Facility ID: 6191485
CAS Number: 68476346
SIC Code: Not reported
NAICS: Not reported
Entered Chemical Name: FUEL OIL, NO. 1,2,4,5,6
Average Amt Code: 9,999
Owner Name: Not reported
Owner Phone: Not reported
Contact Type: Not reported
Contact Information: Not reported
Filing Year: Not reported

Name: CITY OF MANASSAS - AIRPORT COMPLEX GENERATOR FACILITY
Address: 10453 WAKEMAN DRIVE
City,State,Zip: MANASSAS, VA 20110
Facility ID: 5421781
CAS Number: 68476346
SIC Code: Not reported
NAICS: Not reported
Entered Chemical Name: FUEL OIL, NO. 1,2,4,5,6
Average Amt Code: 9999.0
Owner Name: Not reported
Owner Phone: Not reported
Contact Type: Not reported
Contact Information: Not reported
Filing Year: Not reported

Name: CITY OF MANASSAS - AIRPORT COMPLEX GENERATOR FACILITY
Address: 10453 WAKEMAN DRIVE
City,State,Zip: MANASSAS, VA 20110
Facility ID: 6024451
CAS Number: 68476346
SIC Code: Not reported
NAICS: Not reported
Entered Chemical Name: FUEL OIL, NO. 1,2,4,5,6
Average Amt Code: 9999.0
Owner Name: Not reported
Owner Phone: Not reported
Contact Type: Not reported
Contact Information: Not reported
Filing Year: Not reported

**CITY OF MANASSAS - AIRPORT COMPLEX GENERATOR FACILITY (Continued)** **S118191854**

| | |
|---|---|
| Name: | CITY OF MANASSAS - AIRPORT COMPLEX GENERATOR FACILITY |
| Address: | 10453 WAKEMAN DRIVE |
| City,State,Zip: | MANASSAS, VA 20110 |
| Facility ID: | Not reported |
| CAS Number: | Not reported |
| SIC Code: | Not reported |
| NAICS: | Not reported |
| Entered Chemical Name: | FUEL OIL, NO. 1,2,4,5,6 |
| Average Amt Code: | 9999.0 |
| Owner Name: | Not reported |
| Owner Phone: | Not reported |
| Contact Type: | Not reported |
| Contact Information: | Not reported |
| Filing Year: | Not reported |

| | |
|---|---|
| Name: | CITY OF MANASSAS - AIRPORT COMPLEX GENERATOR FACILITY |
| Address: | 10453 WAKEMAN DRIVE |
| City,State,Zip: | MANASSAS, VA 20110 |
| Facility ID: | 5421781 |
| CAS Number: | 68476346 |
| SIC Code: | Not reported |
| NAICS: | Not reported |
| Entered Chemical Name: | FUEL OIL, NO. 1,2,4,5,6 |
| Average Amt Code: | 9999 |
| Owner Name: | Not reported |
| Owner Phone: | Not reported |
| Contact Type: | Not reported |
| Contact Information: | Not reported |
| Filing Year: | Not reported |

---

**I47** **GATEWAY GEN** **FINDS** **1010023745**
**Target** **10509 WAKEMAN DRIVE** **N/A**
**Property** **MANASSAS, VA 20110**

**Site 1 of 2 in cluster I**

**Actual:** **173 ft.**

FINDS:
Registry ID: 110028046816

**Focus Map:** **5**

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
The Emissions & Generation Resource Integrated Database (EGRID) contains data on emissions and resources mix for virtually every power plant and company that generates electricity in the United States.
THE ENERGY INFORMATION ADMINISTRATION (EIA) IS AN INDEPENDENT AGENCY WITHIN THE U.S. DEPARTMENT OF ENERGY THAT DEVELOPS SURVEYS, COLLECTS ENERGY DATA, AND DOES ANALYTICAL AND MODELING ANALYSES OF ENERGY ISSUES. THE EIA-860 DATABASE SUPPORTS THE ANNUAL ELECTRIC GENERATOR REPORT AND CONTAINS ELECTRIC UTILITY AND NON-UTILITY (INCLUDING INDEPENDENT POWER PRODUCERS, COMBINED HEAT AND POWER PRODUCERS, AND OTHER INDUSTRIALS) GENERATOR-SPECIFIC PLANT DATA, INCLUDING COUNTY AND STATE LOCATION AND OWNERSHIP INFORMATION

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

**I48** **VERTEX AEROSPACE** **E MANIFEST** **1027878868**
**Target** **10527 WAKEMAN DR** **N/A**
**Property** **MANASSAS, VA 20110**

**Site 2 of 2 in cluster I**

**Actual:** **171 ft.**

**Focus Map:** **5**

E MANIFEST:

| | |
|---|---|
| Manifest Tracking Number: | 006899423SKS |
| Last Updated Date: | 20190731 |
| Shipped Date: | 20190624 |
| Received Date: | 20190705 |
| Manifest Status: | Signed |
| Submission Type: | DataImage5Copy |
| Origin Type: | Service |
| Generator EPA ID: | CESQG |
| Generator Name: | Vertex Aerospace |
| Generator Mail Street Number: | Not reported |
| Generator Mail Street 1: | 10527 WAKEMAN DR |
| Generator Mail Street 2: | Not reported |
| Generator Mail City: | MANASSAS |
| Generator Mail State: | VA |
| Generator Mail Zip: | 20110 |
| Generator Location Street Number: | Not reported |
| Generator Location Street 1: | 10527 Wakeman Dr |
| Generator Location Street 2: | Not reported |
| Generator Location City: | Manassas |
| Generator Location Zip: | 20110 |
| Generator Location State: | VA |
| Generator Contact Company Name: | Not reported |
| Designated Facility EPA ID: | KYD053348108 |
| Designated Facility Name: | Not reported |
| Designated Facility Mail Street Number: | Not reported |
| Designated Facility Mail Street 1: | Not reported |
| Designated Facility Mail Street 2: | 3700 LaGrange Road |
| Designated Facility Mail City: | Smithfield |
| Designated Facility Mail Zip: | 40068 |
| Designated Facility Mail State: | KY |
| Designated Facility Location Street Number: | Not reported |
| Designated Facility Location Street 1: | 3700 LaGrange Road |
| Designated Facility Location Street 2: | Not reported |
| Designated Facility Location City: | Smithfield |
| Designated Facility Location Zip: | 40068 |
| Designated Facility Location State: | KY |
| Designated Facility Contact Company Name: | Safety-Kleen Systems, Inc. |
| Manifest Residue Indicator: | N |
| Rejection Indicator: | N |

| | |
|---|---|
| Manifest Tracking Number: | 007129502SKS |
| Last Updated Date: | 20190902 |
| Shipped Date: | 20190724 |
| Received Date: | 20190807 |
| Manifest Status: | Signed |
| Submission Type: | DataImage5Copy |
| Origin Type: | Service |
| Generator EPA ID: | CESQG |
| Generator Name: | Vertex Aerospace |
| Generator Mail Street Number: | Not reported |
| Generator Mail Street 1: | 10527 WAKEMAN DR |
| Generator Mail Street 2: | Not reported |

**VERTEX AEROSPACE (Continued)** **1027878868**

| | |
|---|---|
| Generator Mail City: | MANASSAS |
| Generator Mail State: | VA |
| Generator Mail Zip: | 20110 |
| Generator Location Street Number: | Not reported |
| Generator Location Street 1: | 10527 Wakeman Dr |
| Generator Location Street 2: | Not reported |
| Generator Location City: | Manassas |
| Generator Location Zip: | 20110 |
| Generator Location State: | VA |
| Generator Contact Company Name: | Not reported |
| Designated Facility EPA ID: | KYD053348108 |
| Designated Facility Name: | Not reported |
| Designated Facility Mail Street Number: | Not reported |
| Designated Facility Mail Street 1: | Not reported |
| Designated Facility Mail Street 2: | 3700 LaGrange Road |
| Designated Facility Mail City: | Smithfield |
| Designated Facility Mail Zip: | 40068 |
| Designated Facility Mail State: | KY |
| Designated Facility Location Street Number: | Not reported |
| Designated Facility Location Street 1: | 3700 LaGrange Road |
| Designated Facility Location Street 2: | Not reported |
| Designated Facility Location City: | Smithfield |
| Designated Facility Location Zip: | 40068 |
| Designated Facility Location State: | KY |
| Designated Facility Contact Company Name: | Safety-Kleen Systems, Inc. |
| Manifest Residue Indicator: | N |
| Rejection Indicator: | N |

| | |
|---|---|
| Manifest Tracking Number: | 006603631SKS |
| Last Updated Date: | 20181107 |
| Shipped Date: | 20180917 |
| Received Date: | 20181008 |
| Manifest Status: | Signed |
| Submission Type: | DataImage5Copy |
| Origin Type: | Service |
| Generator EPA ID: | CESQG |
| Generator Name: | Vertex Aerospace |
| Generator Mail Street Number: | Not reported |
| Generator Mail Street 1: | 10527 WAKEMAN DR |
| Generator Mail Street 2: | Not reported |
| Generator Mail City: | MANASSAS |
| Generator Mail State: | VA |
| Generator Mail Zip: | 20110 |
| Generator Location Street Number: | Not reported |
| Generator Location Street 1: | 10527 Wakeman Dr |
| Generator Location Street 2: | Not reported |
| Generator Location City: | Manassas |
| Generator Location Zip: | 20110 |
| Generator Location State: | VA |
| Generator Contact Company Name: | Not reported |
| Designated Facility EPA ID: | KYD053348108 |
| Designated Facility Name: | Not reported |
| Designated Facility Mail Street Number: | Not reported |
| Designated Facility Mail Street 1: | Not reported |
| Designated Facility Mail Street 2: | 3700 LaGrange Road |
| Designated Facility Mail City: | Smithfield |
| Designated Facility Mail Zip: | 40068 |

**VERTEX AEROSPACE (Continued)** **1027878868**

Designated Facility Mail State: KY
Designated Facility Location Street Number: Not reported
Designated Facility Location Street 1: 3700 LaGrange Road
Designated Facility Location Street 2: Not reported
Designated Facility Location City: Smithfield
Designated Facility Location Zip: 40068
Designated Facility Location State: KY
Designated Facility Contact Company Name: Safety-Kleen Systems, Inc.
Manifest Residue Indicator: N
Rejection Indicator: N

Federal Waste:
Manifest Tracking Number: 006603631SKS
Waste Line Number: 1
Federal Waste Code: D001
Federal Waste: IGNITABLE WASTE

Manifest Tracking Number: 006603631SKS
Waste Line Number: 1
Federal Waste Code: D005
Federal Waste: BARIUM

Manifest Tracking Number: 006603631SKS
Waste Line Number: 1
Federal Waste Code: D007
Federal Waste: CHROMIUM

Manifest Tracking Number: 006603631SKS
Waste Line Number: 1
Federal Waste Code: D008
Federal Waste: LEAD

Manifest Tracking Number: 006603631SKS
Waste Line Number: 1
Federal Waste Code: D018
Federal Waste: BENZENE

Manifest Tracking Number: 006603631SKS
Waste Line Number: 1
Federal Waste Code: D035
Federal Waste: METHYL ETHYL KETONE

Manifest Tracking Number: 006603631SKS
Waste Line Number: 1
Federal Waste Code: D039
Federal Waste: TETRACHLOROETHYLENE

Manifest Tracking Number: 006603631SKS
Waste Line Number: 1
Federal Waste Code: F001
Federal Waste: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE

**VERTEX AEROSPACE (Continued)** **1027878868**

SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Manifest Tracking Number: 006603631SKS
Waste Line Number: 1
Federal Waste Code: F002
Federal Waste: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Manifest Tracking Number: 006603631SKS
Waste Line Number: 1
Federal Waste Code: F003
Federal Waste: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Manifest Tracking Number: 006603631SKS
Waste Line Number: 1
Federal Waste Code: F005
Federal Waste: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Transporter:
Manifest Tracking Number: 006603631SKS
Transporter Line Number: 1
Transporter EPA ID: TXR000081205
Transporter Name: Safety-Kleen Systems, Inc.

Manifest Tracking Number: 006603631SKS
Transporter Line Number: 2
Transporter EPA ID: MAD039322250
Transporter Name: Clean Harbors Environmental Services, Inc.

Manifest Tracking Number: 006603631SKS
Transporter Line Number: 3
Transporter EPA ID: NJD071629976
Transporter Name: Sj Transportation Co Inc

Manifest Tracking Number: 006603631SKS

**VERTEX AEROSPACE (Continued)** **1027878868**

Transporter Line Number: 4
Transporter EPA ID: MAD039322250
Transporter Name: Clean Harbors Environmental Services, Inc.

Waste Line:
Manifest Tracking Number: 006603631SKS
Waste Line Number: 1
U.S. DOT Hazardous Indicator: Y
U.S. DOT ID Number: UN1993
U.S. DOT Description: Un1993, Waste Un1993, Waste Flammable Liquids, N.O.S., ),3, Pg I (Xylene, Benzene), 3, Pg Ii
Non-Hazardous Waste Description: Not reported
Number of Containers: 1
Container Type Code: DM
Container Type Description: Metal drums, barrels, kegs
Waste Quantity: 100
Quantity Unit of Measure Code: P
Quantity Unit of Measure Description: Pounds
Waste Quantity, in Tons: 0.05
Acute Waste Quantity, in Tons: 0
Non-Acute Waste Quantity, in Tons: 0.05
Waste Quantity, in Kilograms: 45.3515
Acute Waste Quantity, in Kilograms: 0
Non-Acute Waste Quantity, in Kilorgrams: 45.3515
Management Method Code: H061
Management Method Description: FUEL BLENDING
Waste Residue Indicator: N
Quantity Discrepancy Indicator: N
Waste Type Discrepancy Indicator: N
Waste Density: Not reported
Waste Density Unit of Measure Code: Not reported
Waste Density Unit of Measure Description: Not reported
Form Code: Not reported
Form Code Description: Not reported
Source Code: Not reported
Source Code Description: Not reported
Waste Minimization Code: Not reported
Waste Minimization Code Description: Not reported
Consent Number: Not reported
EPA Waste Indicator: Y

---

**J49** **LEIDOS, INC. - HANGAR 3** **RCRA-SQG** **1027223320**
**Target** **10522 WAKEMAN DRIVE** **VAR000539001**
**Property** **MANASSAS, VA 20110**

**Site 1 of 3 in cluster J**

**Actual:** **175 ft.**
**Focus Map:** **5**

RCRA Listings:
Date Form Received by Agency: 20220314
Handler Name: Leidos, Inc. - Hangar 3
Handler Address: Wakeman Drive
Handler City,State,Zip: MANASSAS, VA 20110
EPA ID: VAR000539001
Contact Name: ANDREW GRONAN
Contact Address: PRESIDENTS STREET
Contact City,State,Zip: RESTON, VA 20190
Contact Telephone: 703-835-5840

**LEIDOS, INC. - HANGAR 3 (Continued)** **1027223320**

| | |
|---|---|
| Contact Fax: | Not reported |
| Contact Email: | ANDREW.GRONAN@LEIDOS.COM |
| Contact Title: | ENVIRONMENTAL HEALTH & SAFETY ENGINEER |
| EPA Region: | 03 |
| Land Type: | Municipal |
| Federal Waste Generator Description: | Small Quantity Generator |
| Non-Notifier: | Not reported |
| Biennial Report Cycle: | Not reported |
| Accessibility: | Not reported |
| Active Site Indicator: | Handler Activities |
| State District Owner: | Va |
| State District: | 4 |
| Mailing Address: | WAKEMAN DRIVE |
| Mailing City,State,Zip: | MANASSAS, VA 20110 |
| Owner Name: | App Jet Center |
| Owner Type: | Private |
| Operator Name: | Leidos |
| Operator Type: | Private |
| Short-Term Generator Activity: | No |
| Importer Activity: | No |
| Mixed Waste Generator: | No |
| Transporter Activity: | No |
| Transfer Facility Activity: | No |
| Recycler Activity with Storage: | No |
| Small Quantity On-Site Burner Exemption: | No |
| Smelting Melting and Refining Furnace Exemption: | No |
| Underground Injection Control: | No |
| Off-Site Waste Receipt: | No |
| Universal Waste Indicator: | No |
| Universal Waste Destination Facility: | No |
| Federal Universal Waste: | No |
| Active Site State-Reg Handler: | --- |
| Federal Facility Indicator: | Not reported |
| Hazardous Secondary Material Indicator: | N |
| Sub-Part K Indicator: | Not reported |
| 2018 GPRA Permit Baseline: | Not on the Baseline |
| 2018 GPRA Renewals Baseline: | Not on the Baseline |
| 202 GPRA Corrective Action Baseline: | No |
| Subject to Corrective Action Universe: | No |
| Non-TSDFs Where RCRA CA has Been Imposed Universe: | No |
| Corrective Action Priority Ranking: | No NCAPS ranking |
| Environmental Control Indicator: | No |
| Institutional Control Indicator: | No |
| Human Exposure Controls Indicator: | N/A |
| Groundwater Controls Indicator: | N/A |
| Significant Non-Complier Universe: | No |
| Unaddressed Significant Non-Complier Universe: | No |
| Addressed Significant Non-Complier Universe: | No |
| Significant Non-Complier With a Compliance Schedule Universe: | No |
| Financial Assurance Required: | Not reported |
| Handler Date of Last Change: | 20220315 |
| Recognized Trader-Importer: | No |
| Recognized Trader-Exporter: | No |
| Importer of Spent Lead Acid Batteries: | No |
| Exporter of Spent Lead Acid Batteries: | No |
| Recycler Activity Without Storage: | No |
| Manifest Broker: | No |

**LEIDOS, INC. - HANGAR 3 (Continued)** **1027223320**

Sub-Part P Indicator: No

Hazardous Waste Summary:
Waste Code: D001
Waste Description: Ignitable Waste

Handler - Owner Operator:
Owner/Operator Indicator: Operator
Owner/Operator Name: LEIDOS
Legal Status: Private
Date Became Current: 20220314
Date Ended Current: Not reported
Owner/Operator Address: 1750 PRESIDENTS STREET
Owner/Operator City,State,Zip: RESTON, VA 20190
Owner/Operator Telephone: 703-835-5840
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: ANDREW.GRONAN@LEIDOS.COM

Owner/Operator Indicator: Owner
Owner/Operator Name: APP JET CENTER
Legal Status: Private
Date Became Current: 20220314
Date Ended Current: Not reported
Owner/Operator Address: 9998 WAKEMAN DRIVE
Owner/Operator City,State,Zip: MANASSAS, VA 20110
Owner/Operator Telephone: 475-258-0419
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: QREDDEN@APPJETCENTER.COM

Historic Generators:
Receive Date: 20220314
Handler Name: LEIDOS, INC. - HANGAR 3
Federal Waste Generator Description: Small Quantity Generator
State District Owner: Va
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

List of NAICS Codes and Descriptions:
NAICS Code: 541715
NAICS Description: RESEARCH AND DEVELOPMENT IN THE PHYSICAL, ENGINEERING, AND LIFE SCIENCES (EXCEPT NANOTECHNOLOGY AND BIOTECHNOLOGY

Facility Has Received Notices of Violations:
Violations: No Violations Found

**LEIDOS, INC. - HANGAR 3 (Continued)** **1027223320**

Evaluation Action Summary:
Evaluations: No Evaluations Found

---

**J50** **LEIDOS, INC. - HANGAR 3** **ECHO** **1027192366**
**Target Property** **10522 WAKEMAN DRIVE** **N/A**
**MANASSAS, VA 20110**

**Site 2 of 3 in cluster J**

**Actual:** **175 ft.**
**Focus Map:** **5**

ECHO:
Envid: 1027192366
Registry ID: 110071249011
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110071249011
Name: LEIDOS, INC. - HANGAR 3
Address: 10522 WAKEMAN DRIVE
City,State,Zip: MANASSAS, VA 20110

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**J51** **LEIDOS, INC. - HANGAR 3** **FINDS** **1027177074**
**Target Property** **10522 WAKEMAN DRIVE** **N/A**
**MANASSAS, VA 20110**

**Site 3 of 3 in cluster J**

**Actual:** **175 ft.**
**Focus Map:** **5**

FINDS:
Registry ID: 110071249011

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
The Resource Conservation and Recovery Act Information System (RCRAInfo) is EPA's comprehensive information system in support of the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. It tracks many types of information about generators, transporters, treaters, storers, and disposers of hazardous waste.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

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**52** **APP HANGER NO. 5 (AKA DULLES AVIATION, INC)** **ECHO** **1031130544**
**Target Property** **10520 WAKEMAN DR** **N/A**
**MANASSAS, VA 20110**

**Actual:** **188 ft.**
**Focus Map:** **5**

ECHO:
Envid: 1031130544
Registry ID: 110071708410
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110071708410
Name: APP HANGER NO. 5 (AKA DULLES AVIATION, INC)
Address: 10520 WAKEMAN DR
City,State,Zip: MANASSAS, VA 20110

**K53** **DULLES AVIATION INC** **FINDS** **1007214311**
**Target** **10501 OBSERVATION ROAD** **ECHO** **N/A**
**Property** **MANASSAS, VA 20110**

**Site 1 of 3 in cluster K**

**Actual:** **174 ft.**

**Focus Map:** **5**

FINDS:
Registry ID: 110016710674

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
The Resource Conservation and Recovery Act Information System (RCRAInfo) is EPA's comprehensive information system in support of the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. It tracks many types of information about generators, transporters, treaters, storers, and disposers of hazardous waste.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

| | |
|---|---|
| Envid: | 1007214311 |
| Registry ID: | 110016710674 |
| DFR URL: | http://echo.epa.gov/detailed-facility-report?fid=110016710674 |
| Name: | DULLES AVIATION INC |
| Address: | 10501 OBSERVATION ROAD |
| City,State,Zip: | MANASSAS, VA 20110 |

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**K54** **MANASSAS REGIONAL AIRPORT** **VA LTANKS** **S127509726**
**Target** **10501 OBSERVATION RD** **N/A**
**Property** **MANASSAS, VA 20110**

**Site 2 of 3 in cluster K**

**Actual:** **174 ft.**

**Focus Map:** **5**

LTANKS:

| | |
|---|---|
| Name: | MANASSAS REGIONAL AIRPORT |
| Address: | 10501 OBSERVATION RD |
| City,State,Zip: | MANASSAS, VA 20110 |
| City,State,Zip: | MANASSAS, VA 20110 |
| Region: | NRO |
| CEDS Facility Id: | 200000892459 |
| **Case Status:** | **Closed** |
| Pollution Complaint #: | 20213148 |
| Reported: | 02/26/2021 |
| Case Closed Date: | 05/14/2021 |
| Program: | RP Lead |
| Federally Regulated UST (Y/N): | N |
| Regulated Petroleum UST (1): | N |
| Excluded UST (1): | N |
| Deferred UST (1): | N |
| Partially Deferred UST (1): | N |
| Exempt 1 UST (2): | N |
| Exempt 2 Heating Oil UST (2): | Y |
| Small Heating Oil AST (2): | N |
| Regulated AST (3): | N |
| Unregulated AST (3): | N |
| Other Y/N: | N |
| Unknown Y/N: | N |
| Other Description: | Not reported |

**MANASSAS REGIONAL AIRPORT (Continued)** **S127509726**

| | |
|---|---|
| Heating Oil Category: | Category 1 |
| Changed By: | Not reported |
| Changed Date: | Not reported |
| Inserted By: | Not reported |
| Inserted Date: | Not reported |
| Verified By: | Not reported |
| Verify Date: | Not reported |
| Reference Point: | Not reported |
| RST ID: | Not reported |
| RST Poll Complaint Number: | Not reported |
| Des First Name: | Not reported |
| Des Last Name: | Not reported |
| RST Rec Code: | Not reported |
| RST Priority: | Not reported |
| RST Fed Reg Tank: | Not reported |
| RST Responsibility Ind: | Not reported |
| RST Suspect Confirm Ind: | Not reported |
| Facility Location: | Not reported |
| FIC Description: | Not reported |
| Latitude: | Not reported |
| Longitude: | Not reported |

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**K55** **DULLES AVIATION** **RCRA-VSQG** **1000281347**
**Target** **10501 OBSERVATION RD** **E MANIFEST** **VAD982704686**
**Property** **MANASSAS, VA 20110**

**Site 3 of 3 in cluster K**

**Actual:** **174 ft.**

**Focus Map:** **5**

RCRA Listings:

| | |
|---|---|
| Date Form Received by Agency: | 20031113 |
| Handler Name: | Dulles Aviation Inc |
| Handler Address: | Observation Road |
| Handler City,State,Zip: | MANASSAS, VA 20110 |
| EPA ID: | VAD982704686 |
| Contact Name: | JOSEPH H GARDNER |
| Contact Address: | Not reported |
| Contact City,State,Zip: | Not reported |
| Contact Telephone: | 703-361-2171 |
| Contact Fax: | Not reported |
| Contact Email: | Not reported |
| Contact Title: | Not reported |
| EPA Region: | 03 |
| Land Type: | Municipal |
| Federal Waste Generator Description: | Conditionally Exempt Small Quantity Generator |
| Non-Notifier: | Not reported |
| Biennial Report Cycle: | Not reported |
| Accessibility: | Not reported |
| Active Site Indicator: | Handler Activities |
| State District Owner: | Va |
| State District: | 4 |
| Mailing Address: | OBSERVATION ROAD |
| Mailing City,State,Zip: | MANASSAS, VA 20110 |
| Owner Name: | Gardner Belton, H |
| Owner Type: | Private |
| Operator Name: | Opername |
| Operator Type: | Private |
| Short-Term Generator Activity: | No |
| Importer Activity: | No |

**DULLES AVIATION (Continued)** **1000281347**

| | |
|---|---|
| Mixed Waste Generator: | No |
| Transporter Activity: | No |
| Transfer Facility Activity: | No |
| Recycler Activity with Storage: | No |
| Small Quantity On-Site Burner Exemption: | No |
| Smelting Melting and Refining Furnace Exemption: | No |
| Underground Injection Control: | No |
| Off-Site Waste Receipt: | No |
| Universal Waste Indicator: | No |
| Universal Waste Destination Facility: | No |
| Federal Universal Waste: | No |
| Active Site State-Reg Handler: | --- |
| Federal Facility Indicator: | Not reported |
| Hazardous Secondary Material Indicator: | N |
| Sub-Part K Indicator: | Not reported |
| 2018 GPRA Permit Baseline: | Not on the Baseline |
| 2018 GPRA Renewals Baseline: | Not on the Baseline |
| 202 GPRA Corrective Action Baseline: | No |
| Subject to Corrective Action Universe: | No |
| Non-TSDFs Where RCRA CA has Been Imposed Universe: | No |
| Corrective Action Priority Ranking: | No NCAPS ranking |
| Environmental Control Indicator: | No |
| Institutional Control Indicator: | No |
| Human Exposure Controls Indicator: | N/A |
| Groundwater Controls Indicator: | N/A |
| Significant Non-Complier Universe: | No |
| Unaddressed Significant Non-Complier Universe: | No |
| Addressed Significant Non-Complier Universe: | No |
| Significant Non-Complier With a Compliance Schedule Universe: | No |
| Financial Assurance Required: | Not reported |
| Handler Date of Last Change: | 20150414 |
| Recognized Trader-Importer: | No |
| Recognized Trader-Exporter: | No |
| Importer of Spent Lead Acid Batteries: | No |
| Exporter of Spent Lead Acid Batteries: | No |
| Recycler Activity Without Storage: | No |
| Manifest Broker: | No |
| Sub-Part P Indicator: | No |

Hazardous Waste Summary:

| | |
|---|---|
| Waste Code: | D001 |
| Waste Description: | Ignitable Waste |
| Waste Code: | D002 |
| Waste Description: | Corrosive Waste |
| Waste Code: | D008 |
| Waste Description: | Lead |
| Waste Code: | D018 |
| Waste Description: | Benzene |
| Waste Code: | F001 |
| Waste Description: | The Following Spent Halogenated Solvents Used In Degreasing: Tetrachloroethylene, Trichlorethylene, Methylene Chloride, 1,1,1-Trichloroethane, Carbon Tetrachloride And Chlorinated |

**DULLES AVIATION (Continued)** **1000281347**

Fluorocarbons; All Spent Solvent Mixtures/Blends Used In Degreasing Containing, Before Use, A Total Of Ten Percent Or More (By Volume) Of One Or More Of The Above Halogenated Solvents Or Those Solvents Listed In F002, F004, And F005; And Still Bottoms From The Recovery Of These Spent Solvents And Spent Solvent Mixtures.

Waste Code: U002
Waste Description: 2-Propanone (I) (Or) Acetone (I)

Waste Code: U154
Waste Description: Methanol (I) (Or) Methyl Alcohol (I)

Waste Code: U159
Waste Description: 2-Butanone (I,T) (Or) Methyl Ethyl Ketone (Mek) (I,T)

Handler - Owner Operator:

| | |
|---|---|
| Owner/Operator Indicator: | Owner |
| Owner/Operator Name: | CITY OF MANASSAS |
| Legal Status: | Municipal |
| Date Became Current: | 19630101 |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | Not reported |
| Owner/Operator City,State,Zip: | Not reported |
| Owner/Operator Telephone: | Not reported |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |

| | |
|---|---|
| Owner/Operator Indicator: | Operator |
| Owner/Operator Name: | OPERNAME |
| Legal Status: | Private |
| Date Became Current: | Not reported |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | OPERSTREET |
| Owner/Operator City,State,Zip: | OPERCITY, AK 99999 |
| Owner/Operator Telephone: | 215-555-1212 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |

| | |
|---|---|
| Owner/Operator Indicator: | Owner |
| Owner/Operator Name: | GARDNER BELTON, H |
| Legal Status: | Private |
| Date Became Current: | Not reported |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | OWNERSTREET |
| Owner/Operator City,State,Zip: | OWNERCITY, AK 99999 |
| Owner/Operator Telephone: | 215-555-1212 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |

| | |
|---|---|
| Owner/Operator Indicator: | Owner |
| Owner/Operator Name: | GARDNER BELTON, H |
| Legal Status: | Private |
| Date Became Current: | Not reported |
| Date Ended Current: | Not reported |

**DULLES AVIATION (Continued)** **1000281347**

| | |
|---|---|
| Owner/Operator Address: | OWNERSTREET |
| Owner/Operator City,State,Zip: | OWNERCITY, AK 99999 |
| Owner/Operator Telephone: | 215-555-1212 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |
| | |
| Owner/Operator Indicator: | Operator |
| Owner/Operator Name: OPERNAME | |
| Legal Status: | Private |
| Date Became Current: | Not reported |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | OPERSTREET |
| Owner/Operator City,State,Zip: | OPERCITY, AK 99999 |
| Owner/Operator Telephone: | 215-555-1212 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |
| | |
| Owner/Operator Indicator: | Operator |
| Owner/Operator Name: AIRPORT DIRECTOR | |
| Legal Status: | Municipal |
| Date Became Current: | 19630101 |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | Not reported |
| Owner/Operator City,State,Zip: | Not reported |
| Owner/Operator Telephone: | Not reported |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |

Historic Generators:

| | |
|---|---|
| Receive Date: | 19891206 |
| Handler Name: DULLES AVIATION INC | |
| Federal Waste Generator Description: | Conditionally Exempt Small Quantity Generator |
| State District Owner: | Va |
| Large Quantity Handler of Universal Waste: | No |
| Recognized Trader Importer: | No |
| Recognized Trader Exporter: | No |
| Spent Lead Acid Battery Importer: | No |
| Spent Lead Acid Battery Exporter: | No |
| Current Record: | No |
| Non Storage Recycler Activity: | Not reported |
| Electronic Manifest Broker: | Not reported |
| | |
| Receive Date: | 20031113 |
| Handler Name: DULLES AVIATION INC | |
| Federal Waste Generator Description: | Conditionally Exempt Small Quantity Generator |
| State District Owner: | Va |
| Large Quantity Handler of Universal Waste: | No |
| Recognized Trader Importer: | No |
| Recognized Trader Exporter: | No |
| Spent Lead Acid Battery Importer: | No |
| Spent Lead Acid Battery Exporter: | No |
| Current Record: | Yes |
| Non Storage Recycler Activity: | Not reported |
| Electronic Manifest Broker: | Not reported |

**DULLES AVIATION (Continued)** **1000281347**

List of NAICS Codes and Descriptions:
NAICS Code: 42472
NAICS Description: PETROLEUM AND PETROLEUM PRODUCTS MERCHANT WHOLESALERS (EXCEPT BULK STATIONS AND TERMINALS)

NAICS Code: 48819
NAICS Description: OTHER SUPPORT ACTIVITIES FOR AIR TRANSPORTATION

NAICS Code: 611512
NAICS Description: FLIGHT TRAINING

Has the Facility Received Notices of Violations:
Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 20030802
Actual Return to Compliance Date: 20031016
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: 20031004
Enforcement Identifier: 001
Date of Enforcement Action: 20030904
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: INSPECTOR FACT FINDING LETTER - Warning letter
Enforcement Responsible Person: R4TRG
Enforcement Responsible Sub-Organization: NR
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Evaluation Action Summary:
Evaluation Date: 20030802
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Evaluation Responsible Person Identifier: R4TRG

**DULLES AVIATION (Continued)** **1000281347**

| | |
|---|---|
| Evaluation Responsible Sub-Organization: | NR |
| Actual Return to Compliance Date: | 20031016 |
| Scheduled Compliance Date: | 20031004 |
| Date of Request: | Not reported |
| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |

E MANIFEST:

| | |
|---|---|
| Manifest Tracking Number: | 006899345SKS |
| Last Updated Date: | 20190719 |
| Shipped Date: | 20190531 |
| Received Date: | 20190623 |
| Manifest Status: | Signed |
| Submission Type: | DataImage5Copy |
| Origin Type: | Service |
| Generator EPA ID: | VAD982704686 |
| Generator Name: | Dulles Aviation |
| Generator Mail Street Number: | Not reported |
| Generator Mail Street 1: | 10501 OBSERVATION RD |
| Generator Mail Street 2: | Attn: Tom Gardner |
| Generator Mail City: | MANASSAS |
| Generator Mail State: | VA |
| Generator Mail Zip: | 20110 |
| Generator Location Street Number: | Not reported |
| Generator Location Street 1: | 10501 Observation Rd |
| Generator Location Street 2: | Attn: Tom Gardner |
| Generator Location City: | Manassas |
| Generator Location Zip: | 20110 |
| Generator Location State: | VA |
| Generator Contact Company Name: | Not reported |
| Designated Facility EPA ID: | ARD069748192 |
| Designated Facility Name: | Not reported |
| Designated Facility Mail Street Number: | Not reported |
| Designated Facility Mail Street 1: | Not reported |
| Designated Facility Mail Street 2: | 309 American Circle |
| Designated Facility Mail City: | El Dorado |
| Designated Facility Mail Zip: | 71730 |
| Designated Facility Mail State: | AR |
| Designated Facility Location Street Number: | Not reported |
| Designated Facility Location Street 1: | 309 American Circle |
| Designated Facility Location Street 2: | Not reported |
| Designated Facility Location City: | El Dorado |
| Designated Facility Location Zip: | 71730 |
| Designated Facility Location State: | AR |
| Designated Facility Contact Company Name: | Clean Harbors El Dorado LLC |
| Manifest Residue Indicator: | N |
| Rejection Indicator: | N |

| | |
|---|---|
| Manifest Tracking Number: | 006899346SKS |
| Last Updated Date: | 20190709 |
| Shipped Date: | 20190531 |
| Received Date: | 20190613 |
| Manifest Status: | Signed |
| Submission Type: | DataImage5Copy |
| Origin Type: | Service |

**DULLES AVIATION (Continued)** **1000281347**

| | |
|---|---|
| Generator EPA ID: | VAD982704686 |
| Generator Name: | Dulles Aviation |
| Generator Mail Street Number: | Not reported |
| Generator Mail Street 1: | 10501 OBSERVATION RD |
| Generator Mail Street 2: | Attn: Tom Gardner |
| Generator Mail City: | MANASSAS |
| Generator Mail State: | VA |
| Generator Mail Zip: | 20110 |
| Generator Location Street Number: | Not reported |
| Generator Location Street 1: | 10501 Observation Rd |
| Generator Location Street 2: | Attn: Tom Gardner |
| Generator Location City: | Manassas |
| Generator Location Zip: | 20110 |
| Generator Location State: | VA |
| Generator Contact Company Name: | Not reported |
| Designated Facility EPA ID: | KYD053348108 |
| Designated Facility Name: | Not reported |
| Designated Facility Mail Street Number: | Not reported |
| Designated Facility Mail Street 1: | Not reported |
| Designated Facility Mail Street 2: | 3700 LaGrange Road |
| Designated Facility Mail City: | Smithfield |
| Designated Facility Mail Zip: | 40068 |
| Designated Facility Mail State: | KY |
| Designated Facility Location Street Number: | Not reported |
| Designated Facility Location Street 1: | 3700 LaGrange Road |
| Designated Facility Location Street 2: | Not reported |
| Designated Facility Location City: | Smithfield |
| Designated Facility Location Zip: | 40068 |
| Designated Facility Location State: | KY |
| Designated Facility Contact Company Name: | Safety-Kleen Systems, Inc. |
| Manifest Residue Indicator: | N |
| Rejection Indicator: | N |

| | |
|---|---|
| Manifest Tracking Number: | 006899457SKS |
| Last Updated Date: | 20190813 |
| Shipped Date: | 20190708 |
| Received Date: | 20190718 |
| Manifest Status: | Signed |
| Submission Type: | DataImage5Copy |
| Origin Type: | Service |
| Generator EPA ID: | VAD982704686 |
| Generator Name: | Dulles Aviation |
| Generator Mail Street Number: | Not reported |
| Generator Mail Street 1: | 10501 OBSERVATION RD |
| Generator Mail Street 2: | Attn: Tom Gardner |
| Generator Mail City: | MANASSAS |
| Generator Mail State: | VA |
| Generator Mail Zip: | 20110 |
| Generator Location Street Number: | Not reported |
| Generator Location Street 1: | 10501 Observation Rd |
| Generator Location Street 2: | Attn: Tom Gardner |
| Generator Location City: | Manassas |
| Generator Location Zip: | 20110 |
| Generator Location State: | VA |
| Generator Contact Company Name: | Not reported |
| Designated Facility EPA ID: | KYD053348108 |
| Designated Facility Name: | Not reported |

**DULLES AVIATION (Continued)** **1000281347**

| | |
|---|---|
| Designated Facility Mail Street Number: | Not reported |
| Designated Facility Mail Street 1: | Not reported |
| Designated Facility Mail Street 2: | 3700 LaGrange Road |
| Designated Facility Mail City: | Smithfield |
| Designated Facility Mail Zip: | 40068 |
| Designated Facility Mail State: | KY |
| Designated Facility Location Street Number: | Not reported |
| Designated Facility Location Street 1: | 3700 LaGrange Road |
| Designated Facility Location Street 2: | Not reported |
| Designated Facility Location City: | Smithfield |
| Designated Facility Location Zip: | 40068 |
| Designated Facility Location State: | KY |
| Designated Facility Contact Company Name: | Safety-Kleen Systems, Inc. |
| Manifest Residue Indicator: | N |
| Rejection Indicator: | N |

Federal Waste:

| | |
|---|---|
| Manifest Tracking Number: | 006899457SKS |
| Waste Line Number: | 1 |
| Federal Waste Code: | D001 |
| Federal Waste: | IGNITABLE WASTE |

Transporter:

| | |
|---|---|
| Manifest Tracking Number: | 006899457SKS |
| Transporter Line Number: | 1 |
| Transporter EPA ID: | TXR000081205 |
| Transporter Name: | Safety-Kleen Systems, Inc. |
| Manifest Tracking Number: | 006899457SKS |
| Transporter Line Number: | 2 |
| Transporter EPA ID: | MAD039322250 |
| Transporter Name: | Clean Harbors Environmental Services, Inc. |
| Manifest Tracking Number: | 006899457SKS |
| Transporter Line Number: | 3 |
| Transporter EPA ID: | NJD071629976 |
| Transporter Name: | Sj Transportation Co Inc |

Waste Line:

| | |
|---|---|
| Manifest Tracking Number: | 006899457SKS |
| Waste Line Number: | 1 |
| U.S. DOT Hazardous Indicator: | Y |
| U.S. DOT ID Number: | UN1268 |
| U.S. DOT Description: | Un1268, Waste Un1268, Waste Petroleum Distillates, N.O.S., 3, Pg Iii, 3, Pg Iii |
| Non-Hazardous Waste Description: | Not reported |
| Number of Containers: | 1 |
| Container Type Code: | DM |
| Container Type Description: | Metal drums, barrels, kegs |
| Waste Quantity: | 100 |
| Quantity Unit of Measure Code: | P |
| Quantity Unit of Measure Description: | Pounds |
| Waste Quantity, in Tons: | 0.05 |
| Acute Waste Quantity, in Tons: | 0 |
| Non-Acute Waste Quantity, in Tons: | 0.05 |
| Waste Quantity, in Kilograms: | 45.3515 |

**DULLES AVIATION (Continued)** **1000281347**

| | |
|---|---|
| Acute Waste Quantity, in Kilograms: | 0 |
| Non-Acute Waste Quantity, in Kilorgrams: | 45.3515 |
| Management Method Code: | H061 |
| Management Method Description: | FUEL BLENDING |
| Waste Residue Indicator: | N |
| Quantity Discrepancy Indicator: | N |
| Waste Type Discrepancy Indicator: | N |
| Waste Density: | Not reported |
| Waste Density Unit of Measure Code: | Not reported |
| Waste Density Unit of Measure Description: | Not reported |
| Form Code: | Not reported |
| Form Code Description: | Not reported |
| Source Code: | Not reported |
| Source Code Description: | Not reported |
| Waste Minimization Code: | Not reported |
| Waste Minimization Code Description: | Not reported |
| Consent Number: | Not reported |
| EPA Waste Indicator: | Y |

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**L56** **T HANGARS OF VA INC** **RCRA-VSQG** **1004791360**
**Target** **10527 TERMINAL RD** **FINDS** **VAR000010157**
**Property** **MANASSAS, VA 20110** **ECHO**

**Site 1 of 8 in cluster L**

**Actual:** **184 ft.**

**Focus Map:** **5**

RCRA Listings:

| | |
|---|---|
| Date Form Received by Agency: | 19980209 |
| Handler Name: | T Hangars Of Va Inc |
| Handler Address: | 10527 Terminal Rd |
| Handler City,State,Zip: | MANASSAS, VA 20110 |
| EPA ID: | VAR000010157 |
| Contact Name: | RONALD POHL |
| Contact Address: | PO BOX 529 |
| Contact City,State,Zip: | MANASSAS, VA 20108 |
| Contact Telephone: | 703-361-4996 |
| Contact Fax: | Not reported |
| Contact Email: | Not reported |
| Contact Title: | Not reported |
| EPA Region: | 03 |
| Land Type: | Private |
| Federal Waste Generator Description: | Conditionally Exempt Small Quantity Generator |
| Non-Notifier: | Not reported |
| Biennial Report Cycle: | Not reported |
| Accessibility: | Not reported |
| Active Site Indicator: | Handler Activities |
| State District Owner: | Va |
| State District: | 4 |
| Mailing Address: | PO BOX 529 |
| Mailing City,State,Zip: | MANASSAS, VA 20108 |
| Owner Name: | T Hangars Of Va Inc |
| Owner Type: | Private |
| Operator Name: | Not reported |
| Operator Type: | Not reported |
| Short-Term Generator Activity: | No |
| Importer Activity: | No |
| Mixed Waste Generator: | No |
| Transporter Activity: | No |
| Transfer Facility Activity: | No |

**T HANGARS OF VA INC (Continued)** **1004791360**

| | |
|---|---|
| Recycler Activity with Storage: | No |
| Small Quantity On-Site Burner Exemption: | No |
| Smelting Melting and Refining Furnace Exemption: | No |
| Underground Injection Control: | No |
| Off-Site Waste Receipt: | No |
| Universal Waste Indicator: | No |
| Universal Waste Destination Facility: | No |
| Federal Universal Waste: | No |
| Active Site State-Reg Handler: | --- |
| Federal Facility Indicator: | Not reported |
| Hazardous Secondary Material Indicator: | N |
| Sub-Part K Indicator: | Not reported |
| 2018 GPRA Permit Baseline: | Not on the Baseline |
| 2018 GPRA Renewals Baseline: | Not on the Baseline |
| 202 GPRA Corrective Action Baseline: | No |
| Subject to Corrective Action Universe: | No |
| Non-TSDFs Where RCRA CA has Been Imposed Universe: | No |
| Corrective Action Priority Ranking: | No NCAPS ranking |
| Environmental Control Indicator: | No |
| Institutional Control Indicator: | No |
| Human Exposure Controls Indicator: | N/A |
| Groundwater Controls Indicator: | N/A |
| Significant Non-Complier Universe: | No |
| Unaddressed Significant Non-Complier Universe: | No |
| Addressed Significant Non-Complier Universe: | No |
| Significant Non-Complier With a Compliance Schedule Universe: | No |
| Financial Assurance Required: | Not reported |
| Handler Date of Last Change: | 20000915 |
| Recognized Trader-Importer: | No |
| Recognized Trader-Exporter: | No |
| Importer of Spent Lead Acid Batteries: | No |
| Exporter of Spent Lead Acid Batteries: | No |
| Recycler Activity Without Storage: | No |
| Manifest Broker: | No |
| Sub-Part P Indicator: | No |

Hazardous Waste Summary:

| | |
|---|---|
| Waste Code: | F002 |
| Waste Description: | The Following Spent Halogenated Solvents: Tetrachloroethylene, Methylene Chloride, Trichloroethylene, 1,1,1-Trichloroethane, Chlorobenzene, 1,1,2-Trichloro-1,2,2-Trifluoroethane, Ortho-Dichlorobenzene, Trichlorofluoromethane, And 1,1,2, Trichloroethane; All Spent Solvent Mixtures/Blends Containing, Before Use, A Total Of Ten Percent Or More (By Volume) Of One Or More Of The Above Halogenated Solvents Or Those Solvents Listed In F001, F004, And F005; And Still Bottoms From The Recovery Of These Spent Solvents And Spent Solvent Mixtures. |

Handler - Owner Operator:

| | |
|---|---|
| Owner/Operator Indicator: | Owner |
| Owner/Operator Name: | T HANGARS OF VA INC |
| Legal Status: | Private |
| Date Became Current: | Not reported |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | PO BOX 529 |

**T HANGARS OF VA INC (Continued)** **1004791360**

Owner/Operator City,State,Zip: MANASSAS, VA 20108
Owner/Operator Telephone: 703-361-4996
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 19980209
Handler Name: T HANGARS OF VA INC
Federal Waste Generator Description: Conditionally Exempt Small Quantity Generator
State District Owner: Va
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

FINDS:
Registry ID: 110005288027

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
The Resource Conservation and Recovery Act Information System (RCRAInfo) is EPA's comprehensive information system in support of the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. It tracks many types of information about generators, transporters, treaters, storers, and disposers of hazardous waste.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1004791360
Registry ID: 110005288027
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110005288027
Name: T HANGARS OF VA INC
Address: 10527 TERMINAL RD
City,State,Zip: MANASSAS, VA 20110

**L57** **MANASSAS AIRPORT** **VA SPILLS** **S106243404**
**Target** **10522 TERMINAL ROAD** **N/A**
**Property** **MANASSAS, VA 20110**

**Site 2 of 8 in cluster L**

**Actual:** **184 ft.**

**Focus Map:** **5**

SPILLS NO:

| | |
|---|---|
| Region: | NO |
| Id: | Not reported |
| Incident Summary: | Plane crash, wing fuel tank breached |
| Date In: | 3/22/1999 |
| Date Closed: | Not reported |
| Pollution Type: | Not reported |
| Responsible Party: | Not reported |
| **Facility Status:** | **CLOSED** |
| Owner: | Dulles Aviation Plane - N473SP |
| Facility Contact: | Not reported |
| Facility Permitted: | Not reported |
| Facility Telephone: | Not reported |
| Time In: | 1500 |
| Reported By Name: | Richard Hill |
| Reported By Telephone: | 703.257.8282 |
| Reported By Affiliation/Addr: | City of Manassas Safety |
| Incident Response IR #: | Not reported |
| Responsible Party Address: | Not reported |
| Responsible Party City: | Not reported |
| Responsible Party State: | Not reported |
| Responsible Party Zip: | Not reported |
| Responsible Party Contact: | Not reported |
| Responsible Party Telephone: | Not reported |
| Owner Name: | Not reported |
| Owner Address: | Not reported |
| Owner City: | Not reported |
| Owner State: | Not reported |
| Owner Zip: | Not reported |
| Owner Contact: | Not reported |
| Owner Telephone: | Not reported |
| Incident Date: | Not reported |
| Incident Time: | Not reported |
| Petroleum: | Not reported |
| Solid Waste: | Not reported |
| Hazardous Waste: | Not reported |
| Water: | Not reported |
| Air: | Not reported |
| Sewage: | Not reported |
| Fish Kill: | Not reported |
| Threat Wetlands: | Not reported |
| Wetlands: | Not reported |
| Material Released: | Not reported |
| Possible Receptors: | Not reported |
| Quantity Released: | Not reported |
| Unit Released: | Not reported |
| Quantity In Water: | Not reported |
| Receiving Waters: | Not reported |
| River Basin: | 1a |
| Inspection Date: | Not reported |
| Call Date: | Not reported |
| Inspector: | Not reported |
| Response Due: | Not reported |

**MANASSAS AIRPORT (Continued)** **S106243404**

| | |
|---|---|
| Response Received Date: | Not reported |
| Visit Needed: | Not reported |
| Open: | Not reported |
| Air Referral Date: | Not reported |
| Air Reg/ Permit Number: | Not reported |
| Waste Referral Date: | Not reported |
| Epa Id Or Permit Number: | Not reported |
| Water Referral Date: | Not reported |
| Water Permit Number: | Not reported |
| Remediation Referral Date: | Not reported |
| Remediation Pc Number: | Not reported |
| Enforcement Referral Date: | Not reported |
| Nov Number: | Not reported |
| Pc Number: | 99-3835 |
| Receive By: | MJC |
| Case Officer: | PZG |
| Case Type: | A11 |
| Street Address: | Not reported |
| Polllutant: | jet fuel |
| Impact: | land |
| Spill Time: | 1300 |
| Spill Date: | 3/22/1999 |
| Spill Volume: | 3 |
| Measure: | gal |
| Volume In Water: | 0 |
| Stream Name: | Not reported |
| Investigation Date: | Not reported |
| Closure Date: | 4/6/1999 |
| Lab Results: | Not reported |
| Target Date: | Not reported |
| Prep Number: | Not reported |
| Report Date: | Not reported |
| Report Time: | Not reported |
| Pollutant Scr: | Not reported |
| Volume: | Not reported |
| Volume Esc: | Not reported |
| Future Recommendations: | Not reported |
| Stream Code: | Not reported |
| Visit Date: | Not reported |
| Lab Date: | Not reported |
| File Close Date: | Not reported |
| Prep Copy: | Not reported |
| City: | Not reported |
| Incident Summary: | Not reported |
| Reported: | Plane crash, wing tank cracked, fuel dripped onto ground. Contained in bucket and with sorbants Same as PC99-3317 in remediation section |
| Results: | Not reported |
| Inspection Comments: | Not reported |
| Remarks: | Not reported |

**L58 MANASSAS AIRPORT - NEW CONTROL TOWER** **UST FINDER RELEASE** **1029018017**
**Target 10522 TERMINAL RD** **N/A**
**Property MANASSAS, VA 22110**

**Site 3 of 8 in cluster L**

**Actual:** **184 ft.**
**Focus Map: 5**

UST FINDER RELEASE:

| | |
|---|---|
| Object ID: | 418638 |
| Facility ID: | Not reported |
| Lust ID: | VA20013062 |
| Name: | MANASSAS AIRPORT - NEW CONTROL TOWER |
| Address: | 10522 TERMINAL RD |
| City,State,Zip: | MANASSAS, VA 22110 |
| Address Match Type: | Locality |
| Reported Date: | 2000/09/25 15:59:59+00 |
| Status: | No Further Action |
| Substance: | Not reported |
| Population within 1500ft: | Not reported |
| Domestic Wells within 1500ft: | Not reported |
| Land Use: | Not reported |
| Within SPA: | Not reported |
| SPA PWS Facility ID: | Not reported |
| SPA Water Type: | Not reported |
| SPA Facility Type: | Not reported |
| SPA HUC12: | Not reported |
| Within WHPA: | Not reported |
| WHPA PWS Facility ID: | Not reported |
| WHPA Water Type: | Not reported |
| WHPA Facility Type: | Not reported |
| WHPA HUC12: | Not reported |
| Within 100yr Floodplain: | Not reported |
| Tribe: | Not reported |
| EPA Region: | 3 |
| NFA Letter 1: | Not reported |
| NFA Letter 2: | Not reported |
| NFA Letter 3: | Not reported |
| NFA Letter 4: | Not reported |
| Closed With Residual Contaminate: | Not reported |
| Coordinate Source: | Geocode |
| X Coord: | -77.47111 |
| Y Coord: | 38.75122 |
| Latitude: | 38.75122 |
| Longitude: | -77.4711099999999 |

---

**L59 MANASSAS REGIONAL AIRPORT** **UST FINDER** **1028797741**
**Target 10522 TERMINAL RD** **N/A**
**Property MANASSAS, VA 22110**

**Site 4 of 8 in cluster L**

**Actual:** **184 ft.**
**Focus Map: 5**

UST FINDER:

| | |
|---|---|
| Object ID: | 519794 |
| Facility ID: | VA3001899 |
| Name: | MANASSAS REGIONAL AIRPORT |
| Address: | 10522 TERMINAL RD |
| City,State,Zip: | MANASSAS, VA 22110 |
| Address Match Type: | Locality |
| Open USTs: | 0 |
| Closed USTs: | 12 |
| TOS USTs: | 0 |

**MANASSAS REGIONAL AIRPORT (Continued)** **1028797741**

| | |
|---|---|
| Population 1500ft: | Not reported |
| Private Wells 1500ft: | Not reported |
| Within 100yr Floodplain: | Not reported |
| Land Use: | Not reported |
| Within SPA: | Not reported |
| SPA PWS Facility ID: | Not reported |
| SPA Water Type: | Not reported |
| SPA Facility Type: | Not reported |
| SPA HUC12: | Not reported |
| Within WHPA: | Not reported |
| WHPA PWS Facility ID: | Not reported |
| WHPA Water Type: | Not reported |
| WHPA Facility Type: | Not reported |
| WHPA HUC12: | Not reported |
| Facility Status: | Closed UST(s) |
| Date of Last Inspection: | Not reported |
| EPA Region: | 3 |
| Tribe: | Not reported |
| Coordinate Source: | Geocode |
| X Coord: | -77.47111 |
| Y Coord: | 38.75122 |
| Latitude: | 38.75122 |
| Longitude: | -77.47111 |

UST FINDER:

| | |
|---|---|
| Object ID: | 1995921 |
| Facility ID: | VA3001899 |
| Tank ID: | VA3001899_COLGAN-1 |
| Tank Status: | Closed |
| Installation Date: | 1966/04/03 16:00:01+00 |
| Removal Date: | Not reported |
| Tank Capacity: | 4000 |
| Substances: | GASOLINE |
| Tank Wall Type: | Single |

| | |
|---|---|
| Object ID: | 1995922 |
| Facility ID: | VA3001899 |
| Tank ID: | VA3001899_COLGAN-2 |
| Tank Status: | Closed |
| Installation Date: | 1966/04/03 16:00:01+00 |
| Removal Date: | Not reported |
| Tank Capacity: | 4000 |
| Substances: | GASOLINE |
| Tank Wall Type: | Single |

| | |
|---|---|
| Object ID: | 1995923 |
| Facility ID: | VA3001899 |
| Tank ID: | VA3001899_COLGAN-3 |
| Tank Status: | Closed |
| Installation Date: | 1966/04/03 16:00:01+00 |
| Removal Date: | Not reported |
| Tank Capacity: | 4000 |
| Substances: | GASOLINE |
| Tank Wall Type: | Single |

| | |
|---|---|
| Object ID: | 1995924 |
| Facility ID: | VA3001899 |
| Tank ID: | VA3001899_COLGAN-4 |

**MANASSAS REGIONAL AIRPORT (Continued)** **1028797741**

| | |
|---|---|
| Tank Status: | Closed |
| Installation Date: | 1966/04/03 16:00:01+00 |
| Removal Date: | Not reported |
| Tank Capacity: | 4000 |
| Substances: | GASOLINE |
| Tank Wall Type: | Single |

| | |
|---|---|
| Object ID: | 2156263 |
| Facility ID: | VA3001899 |
| Tank ID: | VA3001899_COLGAN-6 |
| Tank Status: | Closed |
| Installation Date: | Not reported |
| Removal Date: | Not reported |
| Tank Capacity: | 550 |
| Substances: | UNKNOWN |
| Tank Wall Type: | Single |

| | |
|---|---|
| Object ID: | 2156264 |
| Facility ID: | VA3001899 |
| Tank ID: | VA3001899_COLGAN-7 |
| Tank Status: | Closed |
| Installation Date: | Not reported |
| Removal Date: | Not reported |
| Tank Capacity: | 275 |
| Substances: | UNKNOWN |
| Tank Wall Type: | Single |

| | |
|---|---|
| Object ID: | 2156265 |
| Facility ID: | VA3001899 |
| Tank ID: | VA3001899_COLGAN-8 |
| Tank Status: | Closed |
| Installation Date: | Not reported |
| Removal Date: | Not reported |
| Tank Capacity: | 275 |
| Substances: | UNKNOWN |
| Tank Wall Type: | Single |

| | |
|---|---|
| Object ID: | 2018570 |
| Facility ID: | VA3001899 |
| Tank ID: | VA3001899_COLGAN-5 |
| Tank Status: | Closed |
| Installation Date: | 1972/04/03 16:00:00+00 |
| Removal Date: | Not reported |
| Tank Capacity: | 10000 |
| Substances: | JET FUEL |
| Tank Wall Type: | Single |

| | |
|---|---|
| Object ID: | 2018571 |
| Facility ID: | VA3001899 |
| Tank ID: | VA3001899_DULLESAV-1 |
| Tank Status: | Closed |
| Installation Date: | 1972/04/03 16:00:00+00 |
| Removal Date: | Not reported |
| Tank Capacity: | 10000 |
| Substances: | GASOLINE: AVIATION GAS |
| Tank Wall Type: | Single |

**MANASSAS REGIONAL AIRPORT (Continued)** **1028797741**

| | |
|---|---|
| Object ID: | 2018572 |
| Facility ID: | VA3001899 |
| Tank ID: | VA3001899_DULLESAV-2 |
| Tank Status: | Closed |
| Installation Date: | 1972/04/03 16:00:00+00 |
| Removal Date: | Not reported |
| Tank Capacity: | 10000 |
| Substances: | GASOLINE: AVIATION GAS |
| Tank Wall Type: | Single |

| | |
|---|---|
| Object ID: | 2018573 |
| Facility ID: | VA3001899 |
| Tank ID: | VA3001899_DULLESAV-3 |
| Tank Status: | Closed |
| Installation Date: | 1972/04/03 16:00:00+00 |
| Removal Date: | Not reported |
| Tank Capacity: | 12000 |
| Substances: | JET FUEL |
| Tank Wall Type: | Single |

| | |
|---|---|
| Object ID: | 2018574 |
| Facility ID: | VA3001899 |
| Tank ID: | VA3001899_DULLESAV-4 |
| Tank Status: | Closed |
| Installation Date: | 1972/04/03 16:00:00+00 |
| Removal Date: | Not reported |
| Tank Capacity: | 2000 |
| Substances: | GASOLINE |
| Tank Wall Type: | Single |

---

**L60** **MANASSAS REGIONAL AIRPORT** **VA UST** **U004189327**
**Target** **10522 TERMINAL RD** **N/A**
**Property** **MANASSAS, VA 22110**

**Site 5 of 8 in cluster L**

**Actual:** **184 ft.**
**Focus Map:** **5**

Facility:

| | |
|---|---|
| Name: | MANASSAS REGIONAL AIRPORT |
| Address: | 10522 TERMINAL RD |
| City,State,Zip: | MANASSAS, VA 22110 |
| Facility Id: | 3001899 |
| Facility Type: | LOCAL |
| CEDS Facility ID: | 2E+11 |

Owner:

| | |
|---|---|
| Owner Id: | 36274 |
| Owner Name: | MANASSAS Regional Airport |
| Owner Address: | PO BOX 560 |
| Owner Address2: | Not reported |
| Owner City, State, Zip: | MANASSAS, VA 22110 |
| Owner Type: | LOCAL |
| Number of Active AST: | 0 |
| Number of Active UST: | 0 |
| Number of Inactive AST: | 0 |
| Number of Inactive UST: | 13 |

**MANASSAS REGIONAL AIRPORT (Continued)** **U004189327**

UST:

| | |
|---|---|
| Facility ID: | 3001899 |
| Federally Regulated: | Yes |
| Tank Number: | COLGAN-1 |
| Tank Capacity: | 4000 |
| Tank Contents: | GASOLINE |
| **Tank Status:** | **CLS IN GRD** |
| Tank Type: | UST |

Tank Material:

| | |
|---|---|
| Install Date: | 4/3/1966 |
| Tank Materials: Bare Steel | Yes |
| Tank Materials: Cath Protect Steel | No |
| Tank Materials: Epoxy Steel | No |
| Tank Materials: Fiberglass | No |
| Tank Materials: Concrete | Not reported |
| Tank Materials: Composite | No |
| Tank Materials: Double Walled | No |
| Tank Materials: Lined Interior | No |
| Tank Materials: Excav Liner | No |
| Tank Materials: Insulated Tank Jacket | No |
| Tank Materials: Repaired | No |
| Tank Materials: Unknown | No |
| Tank Materials: Other | No |
| Tank Materials: Other Note | Not reported |

Release Detection:

| | |
|---|---|
| Tank Release Detection: Leak Deferred | No |
| Tank Release Detection: Manual Gauge | No |
| Tank Release Detection: Auto Gauge | No |
| Tank Release Detection:Tank Tightness | No |
| Tank Release Detection: Vapor Monitor | No |
| Tank Release Detection: Inventory | No |
| Tank Release Detection: Stat Invent Recon | No |
| Tank Release Detection: Spill Install | No |
| Tank Release Detection: Overfill Install | No |
| Tank Release Detection: Groundwater | No |
| Tank Release Detection: Int Sec Containment | No |
| Tank Release Detection: Int Double Walled | No |
| Tank Release Detection: Other Method | No |
| Tank Release Detection: Other Note | Not reported |
| Pipe Release Detection: Leak Deferred | Not reported |
| Pipe Release Detection: Autoleak | Not reported |
| Pipe Release Detection: Line Tightness | No |
| Pipe Release Detection: Stat Invent Recon | No |
| Pipe Release Detection: Groundwater | No |
| Pipe Release Detection: Int Sec Containment | No |
| Pipe Release Det: Interior Double Walled | No |
| Pipe Release Detection: Other Method | No |
| Pipe Release Detection: Other Note | Not reported |
| Pipe Type: | UNKNOWN |
| Pipe Materials: Bare Steel | No |
| Pipe Materials: Galvanized Steel | Yes |
| Pipe Materials: Copper | No |
| Pipe Materials: Fiberglass | No |

**MANASSAS REGIONAL AIRPORT (Continued)** **U004189327**

| | |
|---|---|
| Pipe Materials: Cath Protect | No |
| Pipe Materials: Double Walled | No |
| Pipe Materials: Sec Containment | No |
| Pipe Materials: Repaired | No |
| Pipe Materials: Unknown | No |
| Pipe Materials: Other | No |
| Pipe Materials: Other Note | Not reported |
| | |
| Facility ID: | 3001899 |
| Federally Regulated: | Yes |
| | |
| Tank Number: | COLGAN-2 |
| Tank Capacity: | 4000 |
| Tank Contents: | GASOLINE |
| **Tank Status:** | **CLS IN GRD** |
| Tank Type: | UST |

Tank Material:

| | |
|---|---|
| Install Date: | 4/3/1966 |
| Tank Materials: Bare Steel | Yes |
| Tank Materials: Cath Protect Steel | No |
| Tank Materials: Epoxy Steel | No |
| Tank Materials: Fiberglass | No |
| Tank Materials: Concrete | Not reported |
| Tank Materials: Composite | No |
| Tank Materials: Double Walled | No |
| Tank Materials: Lined Interior | No |
| Tank Materials: Excav Liner | No |
| Tank Materials: Insulated Tank Jacket | No |
| Tank Materials: Repaired | No |
| Tank Materials: Unknown | No |
| Tank Materials: Other | No |
| Tank Materials: Other Note | Not reported |

Release Detection:

| | |
|---|---|
| Tank Release Detection: Leak Deferred | No |
| Tank Release Detection: Manual Gauge | No |
| Tank Release Detection: Auto Gauge | No |
| Tank Release Detection:Tank Tightness | No |
| Tank Release Detection: Vapor Monitor | No |
| Tank Release Detection: Inventory | No |
| Tank Release Detection: Stat Invent Recon | No |
| Tank Release Detection: Spill Install | No |
| Tank Release Detection: Overfill Install | No |
| Tank Release Detection: Groundwater | No |
| Tank Release Detection: Int Sec Containment | No |
| Tank Release Detection: Int Double Walled | No |
| Tank Release Detection: Other Method | No |
| Tank Release Detection: Other Note | Not reported |
| Pipe Release Detection: Leak Deferred | Not reported |
| Pipe Release Detection: Autoleak | Not reported |
| Pipe Release Detection: Line Tightness | No |
| Pipe Release Detection: Stat Invent Recon | No |
| Pipe Release Detection: Groundwater | No |
| Pipe Release Detection: Int Sec Containment | No |
| Pipe Release Det: Interior Double Walled | No |

**MANASSAS REGIONAL AIRPORT (Continued)** **U004189327**

| | |
|---|---|
| Pipe Release Detection: Other Method | No |
| Pipe Release Detection: Other Note | Not reported |
| Pipe Type: | UNKNOWN |
| Pipe Materials: Bare Steel | No |
| Pipe Materials: Galvanized Steel | Yes |
| Pipe Materials: Copper | No |
| Pipe Materials: Fiberglass | No |
| Pipe Materials: Cath Protect | No |
| Pipe Materials: Double Walled | No |
| Pipe Materials: Sec Containment | No |
| Pipe Materials: Repaired | No |
| Pipe Materials: Unknown | No |
| Pipe Materials: Other | No |
| Pipe Materials: Other Note | Not reported |
| Facility ID: | 3001899 |
| Federally Regulated: | Yes |
| Tank Number: | COLGAN-3 |
| Tank Capacity: | 4000 |
| Tank Contents: | GASOLINE |
| **Tank Status:** | **CLS IN GRD** |
| Tank Type: | UST |

Tank Material:

| | |
|---|---|
| Install Date: | 4/3/1966 |
| Tank Materials: Bare Steel | Yes |
| Tank Materials: Cath Protect Steel | No |
| Tank Materials: Epoxy Steel | No |
| Tank Materials: Fiberglass | No |
| Tank Materials: Concrete | Not reported |
| Tank Materials: Composite | No |
| Tank Materials: Double Walled | No |
| Tank Materials: Lined Interior | No |
| Tank Materials: Excav Liner | No |
| Tank Materials: Insulated Tank Jacket | No |
| Tank Materials: Repaired | No |
| Tank Materials: Unknown | No |
| Tank Materials: Other | No |
| Tank Materials: Other Note | Not reported |

Release Detection:

| | |
|---|---|
| Tank Release Detection: Leak Deferred | No |
| Tank Release Detection: Manual Gauge | No |
| Tank Release Detection: Auto Gauge | No |
| Tank Release Detection:Tank Tightness | No |
| Tank Release Detection: Vapor Monitor | No |
| Tank Release Detection: Inventory | No |
| Tank Release Detection: Stat Invent Recon | No |
| Tank Release Detection: Spill Install | No |
| Tank Release Detection: Overfill Install | No |
| Tank Release Detection: Groundwater | No |
| Tank Release Detection: Int Sec Containment | No |
| Tank Release Detection: Int Double Walled | No |
| Tank Release Detection: Other Method | No |

**MANASSAS REGIONAL AIRPORT (Continued)** **U004189327**

| | |
|---|---|
| Tank Release Detection: Other Note | Not reported |
| Pipe Release Detection: Leak Deferred | Not reported |
| Pipe Release Detection: Autoleak | Not reported |
| Pipe Release Detection: Line Tightness | No |
| Pipe Release Detection: Stat Invent Recon | No |
| Pipe Release Detection: Groundwater | No |
| Pipe Release Detection: Int Sec Containment | No |
| Pipe Release Det: Interior Double Walled | No |
| Pipe Release Detection: Other Method | No |
| Pipe Release Detection: Other Note | Not reported |

| | |
|---|---|
| Pipe Type: | UNKNOWN |
| Pipe Materials: Bare Steel | No |
| Pipe Materials: Galvanized Steel | Yes |
| Pipe Materials: Copper | No |
| Pipe Materials: Fiberglass | No |
| Pipe Materials: Cath Protect | No |
| Pipe Materials: Double Walled | No |
| Pipe Materials: Sec Containment | No |
| Pipe Materials: Repaired | No |
| Pipe Materials: Unknown | No |
| Pipe Materials: Other | No |
| Pipe Materials: Other Note | Not reported |

| | |
|---|---|
| Facility ID: | 3001899 |
| Federally Regulated: | Yes |

| | |
|---|---|
| Tank Number: | COLGAN-4 |
| Tank Capacity: | 4000 |
| Tank Contents: | GASOLINE |
| **Tank Status:** | **CLS IN GRD** |
| Tank Type: | UST |

Tank Material:

| | |
|---|---|
| Install Date: | 4/3/1966 |
| Tank Materials: Bare Steel | Yes |
| Tank Materials: Cath Protect Steel | No |
| Tank Materials: Epoxy Steel | No |
| Tank Materials: Fiberglass | No |
| Tank Materials: Concrete | Not reported |
| Tank Materials: Composite | No |
| Tank Materials: Double Walled | No |
| Tank Materials: Lined Interior | No |
| Tank Materials: Excav Liner | No |
| Tank Materials: Insulated Tank Jacket | No |
| Tank Materials: Repaired | No |
| Tank Materials: Unknown | No |
| Tank Materials: Other | No |
| Tank Materials: Other Note | Not reported |

Release Detection:

| | |
|---|---|
| Tank Release Detection: Leak Deferred | No |
| Tank Release Detection: Manual Gauge | No |
| Tank Release Detection: Auto Gauge | No |
| Tank Release Detection:Tank Tightness | No |
| Tank Release Detection: Vapor Monitor | No |

**MANASSAS REGIONAL AIRPORT (Continued)** **U004189327**

| | |
|---|---|
| Tank Release Detection: Inventory | No |
| Tank Release Detection: Stat Invent Recon | No |
| Tank Release Detection: Spill Install | No |
| Tank Release Detection: Overfill Install | No |
| Tank Release Detection: Groundwater | No |
| Tank Release Detection: Int Sec Containment | No |
| Tank Release Detection: Int Double Walled | No |
| Tank Release Detection: Other Method | No |
| Tank Release Detection: Other Note | Not reported |
| Pipe Release Detection: Leak Deferred | Not reported |
| Pipe Release Detection: Autoleak | Not reported |
| Pipe Release Detection: Line Tightness | No |
| Pipe Release Detection: Stat Invent Recon | No |
| Pipe Release Detection: Groundwater | No |
| Pipe Release Detection: Int Sec Containment | No |
| Pipe Release Det: Interior Double Walled | No |
| Pipe Release Detection: Other Method | No |
| Pipe Release Detection: Other Note | Not reported |

| | |
|---|---|
| Pipe Type: | UNKNOWN |
| Pipe Materials: Bare Steel | No |
| Pipe Materials: Galvanized Steel | Yes |
| Pipe Materials: Copper | No |
| Pipe Materials: Fiberglass | No |
| Pipe Materials: Cath Protect | No |
| Pipe Materials: Double Walled | No |
| Pipe Materials: Sec Containment | No |
| Pipe Materials: Repaired | No |
| Pipe Materials: Unknown | No |
| Pipe Materials: Other | No |
| Pipe Materials: Other Note | Not reported |

| | |
|---|---|
| Facility ID: | 3001899 |
| Federally Regulated: | Yes |

| | |
|---|---|
| Tank Number: | COLGAN-5 |
| Tank Capacity: | 10000 |
| Tank Contents: | JET FUEL |
| **Tank Status:** | **CLS IN GRD** |
| Tank Type: | UST |

Tank Material:

| | |
|---|---|
| Install Date: | 4/3/1972 |
| Tank Materials: Bare Steel | No |
| Tank Materials: Cath Protect Steel | No |
| Tank Materials: Epoxy Steel | No |
| Tank Materials: Fiberglass | Yes |
| Tank Materials: Concrete | Not reported |
| Tank Materials: Composite | No |
| Tank Materials: Double Walled | No |
| Tank Materials: Lined Interior | No |
| Tank Materials: Excav Liner | No |
| Tank Materials: Insulated Tank Jacket | No |
| Tank Materials: Repaired | No |
| Tank Materials: Unknown | No |
| Tank Materials: Other | No |
| Tank Materials: Other Note | Not reported |

**MANASSAS REGIONAL AIRPORT (Continued)** **U004189327**

Release Detection:

| | |
|---|---|
| Tank Release Detection: Leak Deferred | No |
| Tank Release Detection: Manual Gauge | No |
| Tank Release Detection: Auto Gauge | No |
| Tank Release Detection:Tank Tightness | No |
| Tank Release Detection: Vapor Monitor | No |
| Tank Release Detection: Inventory | No |
| Tank Release Detection: Stat Invent Recon | No |
| Tank Release Detection: Spill Install | No |
| Tank Release Detection: Overfill Install | No |
| Tank Release Detection: Groundwater | No |
| Tank Release Detection: Int Sec Containment | No |
| Tank Release Detection: Int Double Walled | No |
| Tank Release Detection: Other Method | No |
| Tank Release Detection: Other Note | Not reported |
| Pipe Release Detection: Leak Deferred | Not reported |
| Pipe Release Detection: Autoleak | Not reported |
| Pipe Release Detection: Line Tightness | No |
| Pipe Release Detection: Stat Invent Recon | No |
| Pipe Release Detection: Groundwater | No |
| Pipe Release Detection: Int Sec Containment | No |
| Pipe Release Det: Interior Double Walled | No |
| Pipe Release Detection: Other Method | No |
| Pipe Release Detection: Other Note | Not reported |

| | |
|---|---|
| Pipe Type: | UNKNOWN |
| Pipe Materials: Bare Steel | No |
| Pipe Materials: Galvanized Steel | Yes |
| Pipe Materials: Copper | No |
| Pipe Materials: Fiberglass | No |
| Pipe Materials: Cath Protect | No |
| Pipe Materials: Double Walled | No |
| Pipe Materials: Sec Containment | No |
| Pipe Materials: Repaired | No |
| Pipe Materials: Unknown | No |
| Pipe Materials: Other | No |
| Pipe Materials: Other Note | Not reported |

| | |
|---|---|
| Facility ID: | 3001899 |
| Federally Regulated: | Yes |
| Tank Number: | COLGAN-6 |
| Tank Capacity: | 550 |
| Tank Contents: | UNKNOWN |
| **Tank Status:** | **CLS IN GRD** |
| Tank Type: | UST |

Tank Material:

| | |
|---|---|
| Install Date: | Not reported |
| Tank Materials: Bare Steel | Yes |
| Tank Materials: Cath Protect Steel | No |
| Tank Materials: Epoxy Steel | No |
| Tank Materials: Fiberglass | No |
| Tank Materials: Concrete | Not reported |
| Tank Materials: Composite | No |
| Tank Materials: Double Walled | No |

**MANASSAS REGIONAL AIRPORT (Continued)** **U004189327**

| | |
|---|---|
| Tank Materials: Lined Interior | No |
| Tank Materials: Excav Liner | No |
| Tank Materials: Insulated Tank Jacket | No |
| Tank Materials: Repaired | No |
| Tank Materials: Unknown | No |
| Tank Materials: Other | No |
| Tank Materials: Other Note | Not reported |

Release Detection:

| | |
|---|---|
| Tank Release Detection: Leak Deferred | No |
| Tank Release Detection: Manual Gauge | No |
| Tank Release Detection: Auto Gauge | No |
| Tank Release Detection:Tank Tightness | No |
| Tank Release Detection: Vapor Monitor | No |
| Tank Release Detection: Inventory | No |
| Tank Release Detection: Stat Invent Recon | No |
| Tank Release Detection: Spill Install | No |
| Tank Release Detection: Overfill Install | No |
| Tank Release Detection: Groundwater | No |
| Tank Release Detection: Int Sec Containment | No |
| Tank Release Detection: Int Double Walled | No |
| Tank Release Detection: Other Method | No |
| Tank Release Detection: Other Note | Not reported |
| Pipe Release Detection: Leak Deferred | Not reported |
| Pipe Release Detection: Autoleak | Not reported |
| Pipe Release Detection: Line Tightness | No |
| Pipe Release Detection: Stat Invent Recon | No |
| Pipe Release Detection: Groundwater | No |
| Pipe Release Detection: Int Sec Containment | No |
| Pipe Release Det: Interior Double Walled | No |
| Pipe Release Detection: Other Method | No |
| Pipe Release Detection: Other Note | Not reported |

| | |
|---|---|
| Pipe Type: | UNKNOWN |
| Pipe Materials: Bare Steel | No |
| Pipe Materials: Galvanized Steel | Yes |
| Pipe Materials: Copper | No |
| Pipe Materials: Fiberglass | No |
| Pipe Materials: Cath Protect | No |
| Pipe Materials: Double Walled | No |
| Pipe Materials: Sec Containment | No |
| Pipe Materials: Repaired | No |
| Pipe Materials: Unknown | No |
| Pipe Materials: Other | No |
| Pipe Materials: Other Note | Not reported |

| | |
|---|---|
| Facility ID: | 3001899 |
| Federally Regulated: | Yes |

| | |
|---|---|
| Tank Number: | COLGAN-7 |
| Tank Capacity: | 275 |
| Tank Contents: | UNKNOWN |
| **Tank Status:** | **CLS IN GRD** |
| Tank Type: | UST |

Tank Material:

**MANASSAS REGIONAL AIRPORT (Continued)** **U004189327**

| | |
|---|---|
| Install Date: | Not reported |
| Tank Materials: Bare Steel | Yes |
| Tank Materials: Cath Protect Steel | No |
| Tank Materials: Epoxy Steel | No |
| Tank Materials: Fiberglass | No |
| Tank Materials: Concrete | Not reported |
| Tank Materials: Composite | No |
| Tank Materials: Double Walled | No |
| Tank Materials: Lined Interior | No |
| Tank Materials: Excav Liner | No |
| Tank Materials: Insulated Tank Jacket | No |
| Tank Materials: Repaired | No |
| Tank Materials: Unknown | No |
| Tank Materials: Other | No |
| Tank Materials: Other Note | Not reported |

Release Detection:

| | |
|---|---|
| Tank Release Detection: Leak Deferred | No |
| Tank Release Detection: Manual Gauge | No |
| Tank Release Detection: Auto Gauge | No |
| Tank Release Detection:Tank Tightness | No |
| Tank Release Detection: Vapor Monitor | No |
| Tank Release Detection: Inventory | No |
| Tank Release Detection: Stat Invent Recon | No |
| Tank Release Detection: Spill Install | No |
| Tank Release Detection: Overfill Install | No |
| Tank Release Detection: Groundwater | No |
| Tank Release Detection: Int Sec Containment | No |
| Tank Release Detection: Int Double Walled | No |
| Tank Release Detection: Other Method | No |
| Tank Release Detection: Other Note | Not reported |
| Pipe Release Detection: Leak Deferred | Not reported |
| Pipe Release Detection: Autoleak | Not reported |
| Pipe Release Detection: Line Tightness | No |
| Pipe Release Detection: Stat Invent Recon | No |
| Pipe Release Detection: Groundwater | No |
| Pipe Release Detection: Int Sec Containment | No |
| Pipe Release Det: Interior Double Walled | No |
| Pipe Release Detection: Other Method | No |
| Pipe Release Detection: Other Note | Not reported |

| | |
|---|---|
| Pipe Type: | UNKNOWN |
| Pipe Materials: Bare Steel | No |
| Pipe Materials: Galvanized Steel | Yes |
| Pipe Materials: Copper | No |
| Pipe Materials: Fiberglass | No |
| Pipe Materials: Cath Protect | No |
| Pipe Materials: Double Walled | No |
| Pipe Materials: Sec Containment | No |
| Pipe Materials: Repaired | No |
| Pipe Materials: Unknown | No |
| Pipe Materials: Other | No |
| Pipe Materials: Other Note | Not reported |

| | |
|---|---|
| Facility ID: | 3001899 |
| Federally Regulated: | Yes |

**MANASSAS REGIONAL AIRPORT (Continued)** **U004189327**

| | |
|---|---|
| Tank Number: | COLGAN-8 |
| Tank Capacity: | 275 |
| Tank Contents: | UNKNOWN |
| **Tank Status:** | **CLS IN GRD** |
| Tank Type: | UST |

Tank Material:

| | |
|---|---|
| Install Date: | Not reported |
| Tank Materials: Bare Steel | Yes |
| Tank Materials: Cath Protect Steel | No |
| Tank Materials: Epoxy Steel | No |
| Tank Materials: Fiberglass | No |
| Tank Materials: Concrete | Not reported |
| Tank Materials: Composite | No |
| Tank Materials: Double Walled | No |
| Tank Materials: Lined Interior | No |
| Tank Materials: Excav Liner | No |
| Tank Materials: Insulated Tank Jacket | No |
| Tank Materials: Repaired | No |
| Tank Materials: Unknown | No |
| Tank Materials: Other | No |
| Tank Materials: Other Note | Not reported |

Release Detection:

| | |
|---|---|
| Tank Release Detection: Leak Deferred | No |
| Tank Release Detection: Manual Gauge | No |
| Tank Release Detection: Auto Gauge | No |
| Tank Release Detection:Tank Tightness | No |
| Tank Release Detection: Vapor Monitor | No |
| Tank Release Detection: Inventory | No |
| Tank Release Detection: Stat Invent Recon | No |
| Tank Release Detection: Spill Install | No |
| Tank Release Detection: Overfill Install | No |
| Tank Release Detection: Groundwater | No |
| Tank Release Detection: Int Sec Containment | No |
| Tank Release Detection: Int Double Walled | No |
| Tank Release Detection: Other Method | No |
| Tank Release Detection: Other Note | Not reported |
| Pipe Release Detection: Leak Deferred | Not reported |
| Pipe Release Detection: Autoleak | Not reported |
| Pipe Release Detection: Line Tightness | No |
| Pipe Release Detection: Stat Invent Recon | No |
| Pipe Release Detection: Groundwater | No |
| Pipe Release Detection: Int Sec Containment | No |
| Pipe Release Det: Interior Double Walled | No |
| Pipe Release Detection: Other Method | No |
| Pipe Release Detection: Other Note | Not reported |

| | |
|---|---|
| Pipe Type: | UNKNOWN |
| Pipe Materials: Bare Steel | No |
| Pipe Materials: Galvanized Steel | Yes |
| Pipe Materials: Copper | No |
| Pipe Materials: Fiberglass | No |
| Pipe Materials: Cath Protect | No |
| Pipe Materials: Double Walled | No |
| Pipe Materials: Sec Containment | No |
| Pipe Materials: Repaired | No |

**MANASSAS REGIONAL AIRPORT (Continued)** **U004189327**

| | |
|---|---|
| Pipe Materials: Unknown | No |
| Pipe Materials: Other | No |
| Pipe Materials: Other Note | Not reported |
| Facility ID: | 3001899 |
| Federally Regulated: | Yes |
| Tank Number: | DULLESAV-1 |
| Tank Capacity: | 10000 |
| Tank Contents: | GASOLINE AVIATION GAS |
| **Tank Status:** | **CLS IN GRD** |
| Tank Type: | UST |

Tank Material:

| | |
|---|---|
| Install Date: | 4/3/1972 |
| Tank Materials: Bare Steel | Yes |
| Tank Materials: Cath Protect Steel | No |
| Tank Materials: Epoxy Steel | No |
| Tank Materials: Fiberglass | No |
| Tank Materials: Concrete | Not reported |
| Tank Materials: Composite | No |
| Tank Materials: Double Walled | No |
| Tank Materials: Lined Interior | No |
| Tank Materials: Excav Liner | No |
| Tank Materials: Insulated Tank Jacket | No |
| Tank Materials: Repaired | No |
| Tank Materials: Unknown | No |
| Tank Materials: Other | No |
| Tank Materials: Other Note | Not reported |

Release Detection:

| | |
|---|---|
| Tank Release Detection: Leak Deferred | No |
| Tank Release Detection: Manual Gauge | No |
| Tank Release Detection: Auto Gauge | No |
| Tank Release Detection:Tank Tightness | No |
| Tank Release Detection: Vapor Monitor | No |
| Tank Release Detection: Inventory | No |
| Tank Release Detection: Stat Invent Recon | No |
| Tank Release Detection: Spill Install | No |
| Tank Release Detection: Overfill Install | No |
| Tank Release Detection: Groundwater | No |
| Tank Release Detection: Int Sec Containment | No |
| Tank Release Detection: Int Double Walled | No |
| Tank Release Detection: Other Method | No |
| Tank Release Detection: Other Note | Not reported |
| Pipe Release Detection: Leak Deferred | Not reported |
| Pipe Release Detection: Autoleak | Not reported |
| Pipe Release Detection: Line Tightness | No |
| Pipe Release Detection: Stat Invent Recon | No |
| Pipe Release Detection: Groundwater | No |
| Pipe Release Detection: Int Sec Containment | No |
| Pipe Release Det: Interior Double Walled | No |
| Pipe Release Detection: Other Method | No |
| Pipe Release Detection: Other Note | Not reported |
| Pipe Type: | UNKNOWN |

**MANASSAS REGIONAL AIRPORT (Continued)** **U004189327**

| | |
|---|---|
| Pipe Materials: Bare Steel | No |
| Pipe Materials: Galvanized Steel | Yes |
| Pipe Materials: Copper | No |
| Pipe Materials: Fiberglass | No |
| Pipe Materials: Cath Protect | No |
| Pipe Materials: Double Walled | No |
| Pipe Materials: Sec Containment | No |
| Pipe Materials: Repaired | No |
| Pipe Materials: Unknown | No |
| Pipe Materials: Other | No |
| Pipe Materials: Other Note | Not reported |

| | |
|---|---|
| Facility ID: | 3001899 |
| Federally Regulated: | Yes |

| | |
|---|---|
| Tank Number: | DULLESAV-2 |
| Tank Capacity: | 10000 |
| Tank Contents: | GASOLINE AVIATION GAS |
| **Tank Status:** | **CLS IN GRD** |
| Tank Type: | UST |

Tank Material:

| | |
|---|---|
| Install Date: | 4/3/1972 |
| Tank Materials: Bare Steel | Yes |
| Tank Materials: Cath Protect Steel | No |
| Tank Materials: Epoxy Steel | No |
| Tank Materials: Fiberglass | No |
| Tank Materials: Concrete | Not reported |
| Tank Materials: Composite | No |
| Tank Materials: Double Walled | No |
| Tank Materials: Lined Interior | No |
| Tank Materials: Excav Liner | No |
| Tank Materials: Insulated Tank Jacket | No |
| Tank Materials: Repaired | No |
| Tank Materials: Unknown | No |
| Tank Materials: Other | No |
| Tank Materials: Other Note | Not reported |

Release Detection:

| | |
|---|---|
| Tank Release Detection: Leak Deferred | No |
| Tank Release Detection: Manual Gauge | No |
| Tank Release Detection: Auto Gauge | No |
| Tank Release Detection:Tank Tightness | No |
| Tank Release Detection: Vapor Monitor | No |
| Tank Release Detection: Inventory | No |
| Tank Release Detection: Stat Invent Recon | No |
| Tank Release Detection: Spill Install | No |
| Tank Release Detection: Overfill Install | No |
| Tank Release Detection: Groundwater | No |
| Tank Release Detection: Int Sec Containment | No |
| Tank Release Detection: Int Double Walled | No |
| Tank Release Detection: Other Method | No |
| Tank Release Detection: Other Note | Not reported |
| Pipe Release Detection: Leak Deferred | Not reported |
| Pipe Release Detection: Autoleak | Not reported |
| Pipe Release Detection: Line Tightness | No |

**MANASSAS REGIONAL AIRPORT (Continued)** **U004189327**

| | |
|---|---|
| Pipe Release Detection: Stat Invent Recon | No |
| Pipe Release Detection: Groundwater | No |
| Pipe Release Detection: Int Sec Containment | No |
| Pipe Release Det: Interior Double Walled | No |
| Pipe Release Detection: Other Method | No |
| Pipe Release Detection: Other Note | Not reported |
| | |
| Pipe Type: | UNKNOWN |
| Pipe Materials: Bare Steel | No |
| Pipe Materials: Galvanized Steel | Yes |
| Pipe Materials: Copper | No |
| Pipe Materials: Fiberglass | No |
| Pipe Materials: Cath Protect | No |
| Pipe Materials: Double Walled | No |
| Pipe Materials: Sec Containment | No |
| Pipe Materials: Repaired | No |
| Pipe Materials: Unknown | No |
| Pipe Materials: Other | No |
| Pipe Materials: Other Note | Not reported |
| | |
| Facility ID: | 3001899 |
| Federally Regulated: | Yes |
| | |
| Tank Number: | DULLESAV-3 |
| Tank Capacity: | 12000 |
| Tank Contents: | JET FUEL |
| **Tank Status:** | **CLS IN GRD** |
| Tank Type: | UST |

Tank Material:

| | |
|---|---|
| Install Date: | 4/3/1972 |
| Tank Materials: Bare Steel | Yes |
| Tank Materials: Cath Protect Steel | No |
| Tank Materials: Epoxy Steel | No |
| Tank Materials: Fiberglass | No |
| Tank Materials: Concrete | Not reported |
| Tank Materials: Composite | No |
| Tank Materials: Double Walled | No |
| Tank Materials: Lined Interior | No |
| Tank Materials: Excav Liner | No |
| Tank Materials: Insulated Tank Jacket | No |
| Tank Materials: Repaired | No |
| Tank Materials: Unknown | No |
| Tank Materials: Other | No |
| Tank Materials: Other Note | Not reported |

Release Detection:

| | |
|---|---|
| Tank Release Detection: Leak Deferred | No |
| Tank Release Detection: Manual Gauge | No |
| Tank Release Detection: Auto Gauge | No |
| Tank Release Detection:Tank Tightness | No |
| Tank Release Detection: Vapor Monitor | No |
| Tank Release Detection: Inventory | No |
| Tank Release Detection: Stat Invent Recon | No |
| Tank Release Detection: Spill Install | No |
| Tank Release Detection: Overfill Install | No |

**MANASSAS REGIONAL AIRPORT (Continued)** **U004189327**

| | |
|---|---|
| Tank Release Detection: Groundwater | No |
| Tank Release Detection: Int Sec Containment | No |
| Tank Release Detection: Int Double Walled | No |
| Tank Release Detection: Other Method | No |
| Tank Release Detection: Other Note | Not reported |
| Pipe Release Detection: Leak Deferred | Not reported |
| Pipe Release Detection: Autoleak | Not reported |
| Pipe Release Detection: Line Tightness | No |
| Pipe Release Detection: Stat Invent Recon | No |
| Pipe Release Detection: Groundwater | No |
| Pipe Release Detection: Int Sec Containment | No |
| Pipe Release Det: Interior Double Walled | No |
| Pipe Release Detection: Other Method | No |
| Pipe Release Detection: Other Note | Not reported |

| | |
|---|---|
| Pipe Type: | UNKNOWN |
| Pipe Materials: Bare Steel | No |
| Pipe Materials: Galvanized Steel | Yes |
| Pipe Materials: Copper | No |
| Pipe Materials: Fiberglass | No |
| Pipe Materials: Cath Protect | No |
| Pipe Materials: Double Walled | No |
| Pipe Materials: Sec Containment | No |
| Pipe Materials: Repaired | No |
| Pipe Materials: Unknown | No |
| Pipe Materials: Other | No |
| Pipe Materials: Other Note | Not reported |

| | |
|---|---|
| Facility ID: | 3001899 |
| Federally Regulated: | Yes |

| | |
|---|---|
| Tank Number: | DULLESAV-4 |
| Tank Capacity: | 2000 |
| Tank Contents: | GASOLINE |
| **Tank Status:** | **CLS IN GRD** |
| Tank Type: | UST |

Tank Material:

| | |
|---|---|
| Install Date: | 4/3/1972 |
| Tank Materials: Bare Steel | Yes |
| Tank Materials: Cath Protect Steel | No |
| Tank Materials: Epoxy Steel | No |
| Tank Materials: Fiberglass | No |
| Tank Materials: Concrete | Not reported |
| Tank Materials: Composite | No |
| Tank Materials: Double Walled | No |
| Tank Materials: Lined Interior | No |
| Tank Materials: Excav Liner | No |
| Tank Materials: Insulated Tank Jacket | No |
| Tank Materials: Repaired | No |
| Tank Materials: Unknown | No |
| Tank Materials: Other | No |
| Tank Materials: Other Note | Not reported |

Release Detection:

| | |
|---|---|
| Tank Release Detection: Leak Deferred | No |

**MANASSAS REGIONAL AIRPORT (Continued)** **U004189327**

| | |
|---|---|
| Tank Release Detection: Manual Gauge | No |
| Tank Release Detection: Auto Gauge | No |
| Tank Release Detection:Tank Tightness | No |
| Tank Release Detection: Vapor Monitor | No |
| Tank Release Detection: Inventory | No |
| Tank Release Detection: Stat Invent Recon | No |
| Tank Release Detection: Spill Install | No |
| Tank Release Detection: Overfill Install | No |
| Tank Release Detection: Groundwater | No |
| Tank Release Detection: Int Sec Containment | No |
| Tank Release Detection: Int Double Walled | No |
| Tank Release Detection: Other Method | No |
| Tank Release Detection: Other Note | Not reported |
| Pipe Release Detection: Leak Deferred | Not reported |
| Pipe Release Detection: Autoleak | Not reported |
| Pipe Release Detection: Line Tightness | No |
| Pipe Release Detection: Stat Invent Recon | No |
| Pipe Release Detection: Groundwater | No |
| Pipe Release Detection: Int Sec Containment | No |
| Pipe Release Det: Interior Double Walled | No |
| Pipe Release Detection: Other Method | No |
| Pipe Release Detection: Other Note | Not reported |

| | |
|---|---|
| Pipe Type: | UNKNOWN |
| Pipe Materials: Bare Steel | No |
| Pipe Materials: Galvanized Steel | Yes |
| Pipe Materials: Copper | No |
| Pipe Materials: Fiberglass | No |
| Pipe Materials: Cath Protect | No |
| Pipe Materials: Double Walled | No |
| Pipe Materials: Sec Containment | No |
| Pipe Materials: Repaired | No |
| Pipe Materials: Unknown | No |
| Pipe Materials: Other | No |
| Pipe Materials: Other Note | Not reported |

| | |
|---|---|
| Facility ID: | 3001899 |
| Federally Regulated: | No |

| | |
|---|---|
| Tank Number: | DULLESAV-5 |
| Tank Capacity: | Not reported |
| Tank Contents: | HEATING OIL |
| **Tank Status:** | **PERM OUT OF USE** |
| Tank Type: | UST |

Tank Material:

| | |
|---|---|
| Install Date: | 4/3/1972 |
| Tank Materials: Bare Steel | Yes |
| Tank Materials: Cath Protect Steel | No |
| Tank Materials: Epoxy Steel | No |
| Tank Materials: Fiberglass | No |
| Tank Materials: Concrete | Not reported |
| Tank Materials: Composite | No |
| Tank Materials: Double Walled | No |
| Tank Materials: Lined Interior | No |
| Tank Materials: Excav Liner | No |
| Tank Materials: Insulated Tank Jacket | No |

**MANASSAS REGIONAL AIRPORT (Continued)** **U004189327**

| | |
|---|---|
| Tank Materials: Repaired | No |
| Tank Materials: Unknown | No |
| Tank Materials: Other | No |
| Tank Materials: Other Note | Not reported |

Release Detection:

| | |
|---|---|
| Tank Release Detection: Leak Deferred | No |
| Tank Release Detection: Manual Gauge | No |
| Tank Release Detection: Auto Gauge | No |
| Tank Release Detection:Tank Tightness | No |
| Tank Release Detection: Vapor Monitor | No |
| Tank Release Detection: Inventory | No |
| Tank Release Detection: Stat Invent Recon | No |
| Tank Release Detection: Spill Install | No |
| Tank Release Detection: Overfill Install | No |
| Tank Release Detection: Groundwater | No |
| Tank Release Detection: Int Sec Containment | No |
| Tank Release Detection: Int Double Walled | No |
| Tank Release Detection: Other Method | No |
| Tank Release Detection: Other Note | Not reported |
| Pipe Release Detection: Leak Deferred | Not reported |
| Pipe Release Detection: Autoleak | Not reported |
| Pipe Release Detection: Line Tightness | No |
| Pipe Release Detection: Stat Invent Recon | No |
| Pipe Release Detection: Groundwater | No |
| Pipe Release Detection: Int Sec Containment | No |
| Pipe Release Det: Interior Double Walled | No |
| Pipe Release Detection: Other Method | No |
| Pipe Release Detection: Other Note | Not reported |

| | |
|---|---|
| Pipe Type: | UNKNOWN |
| Pipe Materials: Bare Steel | No |
| Pipe Materials: Galvanized Steel | Yes |
| Pipe Materials: Copper | No |
| Pipe Materials: Fiberglass | No |
| Pipe Materials: Cath Protect | No |
| Pipe Materials: Double Walled | No |
| Pipe Materials: Sec Containment | No |
| Pipe Materials: Repaired | No |
| Pipe Materials: Unknown | No |
| Pipe Materials: Other | No |
| Pipe Materials: Other Note | Not reported |

---

**L61** **MANASSAS MUNICIPAL AIRPORT** **VA RGA LUST** **S115976173**
**Target** **10522 TERMINAL ROAD** **N/A**
**Property** **MANASSAS, VA**

**Site 6 of 8 in cluster L**

**Actual:** **184 ft.**

**Focus Map: 5**

RGA LUST:

| | | |
|---|---|---|
| 2001 | MANASSAS MUNICIPAL AIRPORT | 10522 TERMINAL ROAD |
| 2001 | MANASSAS MUNICIPAL AIRPORT | 10522 TERMINAL ROAD |

**L62** **MANASSAS MUNICIPAL AIRPORT** **VA LUST** **S104406772**
**Target** **10522 TERMINAL ROAD** **N/A**
**Property** **PRINCE WILLIAM, VA 20110**

**Site 7 of 8 in cluster L**

**Actual:** **184 ft.**
**Focus Map: 5**

LUST REG NO:

| | |
|---|---|
| Region: | NO |
| Facility ID: | 3900476 |
| **Status:** | **Closed** |
| Tank Size: | 0 |
| Product: | Not reported |
| Release Date: | 12/09/1986 |
| Closed Date: | 8/23/1994 |
| Case Type: | Article 11 |
| Case Officer: | Thomas R. Lancaster, P.G. |
| Pollution Complaint #: | 87-0385 |
| Permit Number: | 0 |
| Priority: | - |

| | |
|---|---|
| Region: | NO |
| Facility ID: | 3900476 |
| **Status:** | **Closed** |
| Tank Size: | other |
| Product: | see comments |
| Release Date: | 03/22/1999 |
| Closed Date: | 4/19/1999 |
| Case Type: | Article 11 |
| Case Officer: | Thomas R. Lancaster, P.G. |
| Pollution Complaint #: | 99-3317 |
| Permit Number: | Not reported |
| Priority: | Not reported |

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**L63** **MANASSAS AIRPORT - NEW CONTROL TOWER** **VA LTANKS** **S104896778**
**Target** **10522 TERMINAL RD** **N/A**
**Property** **MANASSAS, VA 22110**

**Site 8 of 8 in cluster L**

**Actual:** **184 ft.**
**Focus Map: 5**

LTANKS:

| | |
|---|---|
| Name: | MANASSAS AIRPORT - NEW CONTROL TOWER |
| Address: | 10522 TERMINAL RD |
| City,State,Zip: | MANASSAS, VA 22110 |
| City,State,Zip: | MANASSAS, VA 22110 |
| Region: | NRO |
| CEDS Facility Id: | 200000078840 |
| **Case Status:** | **Closed** |
| Pollution Complaint #: | 20013062 |
| Reported: | 09/25/2000 |
| Case Closed Date: | 02/08/2002 |
| Program: | RP Lead |
| Federally Regulated UST (Y/N): | Y |
| Regulated Petroleum UST (1): | Y |
| Excluded UST (1): | N |
| Deferred UST (1): | N |
| Partially Deferred UST (1): | N |
| Exempt 1 UST (2): | N |
| Exempt 2 Heating Oil UST (2): | N |
| Small Heating Oil AST (2): | N |
| Regulated AST (3): | N |

**MANASSAS AIRPORT - NEW CONTROL TOWER (Continued)** **S104896778**

| | |
|---|---|
| Unregulated AST (3): | N |
| Other Y/N: | N |
| Unknown Y/N: | N |
| Other Description: | Not reported |
| Heating Oil Category: | Not reported |
| Changed By: | Not reported |
| Changed Date: | Not reported |
| Inserted By: | Not reported |
| Inserted Date: | Not reported |
| Verified By: | Not reported |
| Verify Date: | Not reported |
| Reference Point: | Not reported |
| RST ID: | Not reported |
| RST Poll Complaint Number: | Not reported |
| Des First Name: | Not reported |
| Des Last Name: | Not reported |
| RST Rec Code: | Not reported |
| RST Priority: | Not reported |
| RST Fed Reg Tank: | Not reported |
| RST Responsibility Ind: | Not reported |
| RST Suspect Confirm Ind: | Not reported |
| Facility Location: | Not reported |
| FIC Description: | Not reported |
| Latitude: | Not reported |
| Longitude: | Not reported |

| | |
|---|---|
| Name: | MANASSAS MUNICIPAL AIRPORT |
| Address: | 10522 TERMINAL RD |
| City,State,Zip: | MANASSAS, VA 22110 |
| City,State,Zip: | MANASSAS, VA 22110 |
| Region: | Not reported |
| CEDS Facility Id: | 200000078840 |
| **Case Status:** | **Closed** |
| Pollution Complaint #: | 19993317 |
| Reported: | 03/22/1999 |
| Case Closed Date: | 04/19/1999 |
| Program: | Not reported |
| Federally Regulated UST (Y/N): | Not reported |
| Regulated Petroleum UST (1): | Not reported |
| Excluded UST (1): | Not reported |
| Deferred UST (1): | Not reported |
| Partially Deferred UST (1): | Not reported |
| Exempt 1 UST (2): | Not reported |
| Exempt 2 Heating Oil UST (2): | Not reported |
| Small Heating Oil AST (2): | Not reported |
| Regulated AST (3): | Not reported |
| Unregulated AST (3): | Not reported |
| Other Y/N: | Not reported |
| Unknown Y/N: | Not reported |
| Other Description: | Not reported |
| Heating Oil Category: | Not reported |
| Changed By: | jwcheatham |
| Changed Date: | 04/16/2007 |
| Inserted By: | Not reported |
| Inserted Date: | Not reported |
| Verified By: | Not reported |
| Verify Date: | Not reported |

**MANASSAS AIRPORT - NEW CONTROL TOWER (Continued)** **S104896778**

| | |
|---|---|
| Reference Point: | Not reported |
| RST ID: | 2766 |
| RST Poll Complaint Number: | 19993317 |
| Des First Name: | Thomas |
| Des Last Name: | Lancaster |
| RST Rec Code: | NVRO |
| RST Priority: | Not reported |
| RST Fed Reg Tank: | N |
| RST Responsibility Ind: | RP Lead |
| RST Suspect Confirm Ind: | Suspected |
| Facility Location: | 10522 Terminal Rd |
| FIC Description: | Prince William County |
| Latitude: | 38.7258334419592 |
| Longitude: | -77.5116496052224 |
| | |
| Name: | DULLES AVIATION INCORPORATED - MANASSAS AIRPORT |
| Address: | 10522 TERMINAL RD |
| City,State,Zip: | MANASSAS, VA 22110 |
| City,State,Zip: | MANASSAS, VA 22110 |
| Region: | NRO |
| CEDS Facility Id: | 200000078840 |
| **Case Status:** | **Closed** |
| Pollution Complaint #: | 19910187 |
| Reported: | 08/21/1990 |
| Case Closed Date: | 12/07/1994 |
| Program: | RP Lead |
| Federally Regulated UST (Y/N): | N |
| Regulated Petroleum UST (1): | N |
| Excluded UST (1): | N |
| Deferred UST (1): | N |
| Partially Deferred UST (1): | N |
| Exempt 1 UST (2): | N |
| Exempt 2 Heating Oil UST (2): | N |
| Small Heating Oil AST (2): | N |
| Regulated AST (3): | N |
| Unregulated AST (3): | N |
| Other Y/N: | N |
| Unknown Y/N: | N |
| Other Description: | Not reported |
| Heating Oil Category: | Not reported |
| Changed By: | Not reported |
| Changed Date: | Not reported |
| Inserted By: | Not reported |
| Inserted Date: | Not reported |
| Verified By: | Not reported |
| Verify Date: | Not reported |
| Reference Point: | Not reported |
| RST ID: | Not reported |
| RST Poll Complaint Number: | Not reported |
| Des First Name: | Not reported |
| Des Last Name: | Not reported |
| RST Rec Code: | Not reported |
| RST Priority: | Not reported |
| RST Fed Reg Tank: | Not reported |
| RST Responsibility Ind: | Not reported |
| RST Suspect Confirm Ind: | Not reported |
| Facility Location: | Not reported |

**MANASSAS AIRPORT - NEW CONTROL TOWER (Continued)** **S104896778**

| | |
|---|---|
| FIC Description: | Not reported |
| Latitude: | Not reported |
| Longitude: | Not reported |
| | |
| Name: | MANASSAS MUNICIPAL AIRPORT |
| Address: | 10522 TERMINAL RD |
| City,State,Zip: | MANASSAS, VA 22110 |
| City,State,Zip: | MANASSAS, VA 22110 |
| Region: | NRO |
| CEDS Facility Id: | 200000078840 |
| **Case Status:** | **Closed** |
| Pollution Complaint #: | 19870385 |
| Reported: | 12/09/1986 |
| Case Closed Date: | 08/23/1994 |
| Program: | RP Lead |
| Federally Regulated UST (Y/N): | N |
| Regulated Petroleum UST (1): | N |
| Excluded UST (1): | N |
| Deferred UST (1): | N |
| Partially Deferred UST (1): | N |
| Exempt 1 UST (2): | N |
| Exempt 2 Heating Oil UST (2): | N |
| Small Heating Oil AST (2): | N |
| Regulated AST (3): | N |
| Unregulated AST (3): | N |
| Other Y/N: | N |
| Unknown Y/N: | N |
| Other Description: | Not reported |
| Heating Oil Category: | Not reported |
| Changed By: | Not reported |
| Changed Date: | Not reported |
| Inserted By: | Not reported |
| Inserted Date: | Not reported |
| Verified By: | Not reported |
| Verify Date: | Not reported |
| Reference Point: | Not reported |
| RST ID: | Not reported |
| RST Poll Complaint Number: | Not reported |
| Des First Name: | Not reported |
| Des Last Name: | Not reported |
| RST Rec Code: | Not reported |
| RST Priority: | Not reported |
| RST Fed Reg Tank: | Not reported |
| RST Responsibility Ind: | Not reported |
| RST Suspect Confirm Ind: | Not reported |
| Facility Location: | Not reported |
| FIC Description: | Not reported |
| Latitude: | Not reported |
| Longitude: | Not reported |

**64** **MANASSAS AIRPORT - OLD CONTROL TOWER** **VA LTANKS** **S129369240**
**Target** **N/A**
**Property** **MANASSAS, VA 20110**

**Actual:**
**179 ft.**

**Focus Map:**
**5**

LTANKS:

| | |
|---|---|
| Name: | MANASSAS AIRPORT - OLD CONTROL TOWER |
| Address: | Not reported |
| City,State,Zip: | MANASSAS, VA 20110 |
| City,State,Zip: | MANASSAS, VA 20110 |
| Region: | Not reported |
| CEDS Facility Id: | 200000185878 |
| **Case Status:** | **Closed** |
| Pollution Complaint #: | 19973688 |
| Reported: | 09/05/1996 |
| Case Closed Date: | 10/02/2000 |
| Program: | Not reported |
| Federally Regulated UST (Y/N): | Not reported |
| Regulated Petroleum UST (1): | Not reported |
| Excluded UST (1): | Not reported |
| Deferred UST (1): | Not reported |
| Partially Deferred UST (1): | Not reported |
| Exempt 1 UST (2): | Not reported |
| Exempt 2 Heating Oil UST (2): | Not reported |
| Small Heating Oil AST (2): | Not reported |
| Regulated AST (3): | Not reported |
| Unregulated AST (3): | Not reported |
| Other Y/N: | Not reported |
| Unknown Y/N: | Not reported |
| Other Description: | Not reported |
| Heating Oil Category: | Not reported |
| Changed By: | jwcheatham |
| Changed Date: | 06/08/2007 |
| Inserted By: | Not reported |
| Inserted Date: | Not reported |
| Verified By: | Not reported |
| Verify Date: | Not reported |
| Reference Point: | Not reported |
| RST ID: | 3398 |
| RST Poll Complaint Number: | 19973688 |
| Des First Name: | Thomas |
| Des Last Name: | Lancaster |
| RST Rec Code: | NVRO |
| RST Priority: | 3 |
| RST Fed Reg Tank: | N |
| RST Responsibility Ind: | RP Lead |
| RST Suspect Confirm Ind: | Suspected |
| Facility Location: | Old Control Tower Presidential Airways |
| FIC Description: | Prince William County |
| Latitude: | 38.7236969961779 |
| Longitude: | -77.5121788440788 |

**M65** **MANASSAS AIRPORT** **VA SPILLS** **S102388353**
**Target Property** **PRINCE WILLIAM, VA** **N/A**

**Site 1 of 3 in cluster M**

**Actual:** **173 ft.**
**Focus Map: 5**

SPILLS PC:

| | |
|---|---|
| Region: | Not reported |
| Facility ID: | 91187 |
| Fiscal Year: | 91 |
| PC Number: | 187 |
| Date Reported: | 19900808 |
| Incident Region: | Northern Regional Office |
| Water Affected: | GW |
| Spilled Material: | Petroleum |
| Summary: | suspected line leak from an AST of aviation gas at the Manassas Airport |
| Amount Spilled: | 0.0000 |
| Amount to Water: | 0.0000 |
| Cleaned By: | Not reported |
| Personnel: | Not reported |
| Project Type: | Not reported |
| Release Status: | Not reported |
| Tank Type: | Not reported |
| Lat/Long: | Not reported |
| **Facility Status:** | **Not reported** |
| Date Closed: | Not reported |
| Company: | Not reported |
| USGS Quadrangle Map: | Not reported |
| Date Complaint Received: | Not reported |
| Responsible Party: | Manassas Airport |
| Responsible Person: | Not reported |
| Topographic Quadrangle #: | Not reported |
| Complete report filed by VWCB: | No, complete report not on file |
| Recovery letter for investigative cost: | Not reported |

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**M66** **MANASSAS AIRPORT** **VA SPILLS** **S102388394**
**Target Property** **PRINCE WILLIAM, VA** **N/A**

**Site 2 of 3 in cluster M**

**Actual:** **173 ft.**
**Focus Map: 5**

SPILLS PC:

| | |
|---|---|
| Region: | Not reported |
| Facility ID: | 91240 |
| Fiscal Year: | 91 |
| PC Number: | 240 |
| Date Reported: | 19900816 |
| Incident Region: | Northern Regional Office |
| Water Affected: | GW |
| Spilled Material: | Petroleum |
| Summary: | line leak of JP 1 at Manassas Airport; GW affected |
| Amount Spilled: | 0.0000 |
| Amount to Water: | 0.0000 |
| Cleaned By: | Not reported |
| Personnel: | Not reported |
| Project Type: | Not reported |
| Release Status: | Not reported |
| Tank Type: | Not reported |
| Lat/Long: | Not reported |

**MANASSAS AIRPORT (Continued)** **S102388394**

| | |
|---|---|
| **Facility Status:** | **Not reported** |
| Date Closed: | Not reported |
| Company: | Not reported |
| USGS Quadrangle Map: | Not reported |
| Date Complaint Received: | Not reported |
| Responsible Party: | City of Manassas |
| Responsible Person: | Not reported |
| Topographic Quadrangle #: | Not reported |
| Complete report filed by VWCB: | No, complete report not on file |
| Recovery letter for investigative cost: | Not reported |

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**M67** **MANASSAS AIRPORT** **VA SPILLS** **S102383563**
**Target Property** **PRINCE WILLIAM, VA** **N/A**

**Site 3 of 3 in cluster M**

**Actual:** **173 ft.**
**Focus Map:** **5**

SPILLS PC:

| | |
|---|---|
| Region: | Not reported |
| Facility ID: | 87385 |
| Fiscal Year: | 87 |
| PC Number: | 385 |
| Date Reported: | 19861209 |
| Incident Region: | Northern Regional Office |
| Water Affected: | x-trib Broad Run |
| Spilled Material: | Petroleum |
| Summary: | jet fuel A spilled from a hose onto the asphalt, fuel washed to a storm drain |
| Amount Spilled: | 400.0000 |
| Amount to Water: | 0.0000 |
| Cleaned By: | none |
| Personnel: | 4 |
| Project Type: | Not reported |
| Release Status: | Not reported |
| Tank Type: | Not reported |
| Lat/Long: | Not reported |
| **Facility Status:** | **Not reported** |
| Date Closed: | Not reported |
| Company: | Not reported |
| USGS Quadrangle Map: | Not reported |
| Date Complaint Received: | Not reported |
| Responsible Party: | Manassas Airport |
| Responsible Person: | Not reported |
| Topographic Quadrangle #: | 195-A |
| Complete report filed by VWCB: | Yes, complete report on file |
| Recovery letter for investigative cost: | No letter written |

**68**
**NW**
**< 1/8**
**0.073 mi.**
**383 ft.**

**WILCOX WOODWORKS**
**10687 WAKEMAN CT**
**MANASSAS, VA 22110**

**RCRA-SQG** **1000891736**
**FINDS** **VA0000347922**
**ECHO**
**E MANIFEST**

**Actual:**
**212 ft.**

**Focus Map:**
**2**

RCRA Listings:

| | |
|---|---|
| Date Form Received by Agency: | 19940503 |
| Handler Name: | Wilcox Woodworks |
| Handler Address: | 10687 Wakeman Ct |
| Handler City,State,Zip: | MANASSAS, VA 22110 |
| EPA ID: | VA0000347922 |
| Contact Name: | DANIEL WILCOX |
| Contact Address: | 10687 WAKEMAN CT |
| Contact City,State,Zip: | MANASSAS, VA 22110 |
| Contact Telephone: | 703-364-3455 |
| Contact Fax: | Not reported |
| Contact Email: | Not reported |
| Contact Title: | Not reported |
| EPA Region: | 03 |
| Land Type: | Private |
| Federal Waste Generator Description: | Small Quantity Generator |
| Non-Notifier: | Not reported |
| Biennial Report Cycle: | Not reported |
| Accessibility: | Not reported |
| Active Site Indicator: | Handler Activities |
| State District Owner: | Va |
| State District: | 4 |
| Mailing Address: | 10687 WAKEMAN CT |
| Mailing City,State,Zip: | MANASSAS, VA 22110 |
| Owner Name: | Cannon Park Associates |
| Owner Type: | Private |
| Operator Name: | Not reported |
| Operator Type: | Not reported |
| Short-Term Generator Activity: | No |
| Importer Activity: | No |
| Mixed Waste Generator: | No |
| Transporter Activity: | No |
| Transfer Facility Activity: | No |
| Recycler Activity with Storage: | No |
| Small Quantity On-Site Burner Exemption: | No |
| Smelting Melting and Refining Furnace Exemption: | No |
| Underground Injection Control: | No |
| Off-Site Waste Receipt: | No |
| Universal Waste Indicator: | No |
| Universal Waste Destination Facility: | No |
| Federal Universal Waste: | No |
| Active Site State-Reg Handler: | --- |
| Federal Facility Indicator: | Not reported |
| Hazardous Secondary Material Indicator: | N |
| Sub-Part K Indicator: | Not reported |
| 2018 GPRA Permit Baseline: | Not on the Baseline |
| 2018 GPRA Renewals Baseline: | Not on the Baseline |
| 202 GPRA Corrective Action Baseline: | No |
| Subject to Corrective Action Universe: | No |
| Non-TSDFs Where RCRA CA has Been Imposed Universe: | No |
| Corrective Action Priority Ranking: | No NCAPS ranking |
| Environmental Control Indicator: | No |
| Institutional Control Indicator: | No |

**WILCOX WOODWORKS (Continued)** **1000891736**

| | |
|---|---|
| Human Exposure Controls Indicator: | N/A |
| Groundwater Controls Indicator: | N/A |
| Significant Non-Complier Universe: | No |
| Unaddressed Significant Non-Complier Universe: | No |
| Addressed Significant Non-Complier Universe: | No |
| Significant Non-Complier With a Compliance Schedule Universe: | No |
| Financial Assurance Required: | Not reported |
| Handler Date of Last Change: | 20000915 |
| Recognized Trader-Importer: | No |
| Recognized Trader-Exporter: | No |
| Importer of Spent Lead Acid Batteries: | No |
| Exporter of Spent Lead Acid Batteries: | No |
| Recycler Activity Without Storage: | No |
| Manifest Broker: | No |
| Sub-Part P Indicator: | No |

Hazardous Waste Summary:

| | |
|---|---|
| Waste Code: | D001 |
| Waste Description: | Ignitable Waste |

Handler - Owner Operator:

| | |
|---|---|
| Owner/Operator Indicator: | Owner |
| Owner/Operator Name: | CANNON PARK ASSOCIATES |
| Legal Status: | Private |
| Date Became Current: | Not reported |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | 7704 RICHMOND HWY STE 210 |
| Owner/Operator City,State,Zip: | ALEXANDRIA, VA 22306 |
| Owner/Operator Telephone: | 703-971-6840 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |

Historic Generators:

| | |
|---|---|
| Receive Date: | 19940503 |
| Handler Name: | WILCOX WOODWORKS |
| Federal Waste Generator Description: | Small Quantity Generator |
| State District Owner: | Va |
| Large Quantity Handler of Universal Waste: | No |
| Recognized Trader Importer: | No |
| Recognized Trader Exporter: | No |
| Spent Lead Acid Battery Importer: | No |
| Spent Lead Acid Battery Exporter: | No |
| Current Record: | Yes |
| Non Storage Recycler Activity: | Not reported |
| Electronic Manifest Broker: | Not reported |

List of NAICS Codes and Descriptions:

| | |
|---|---|
| NAICS Codes: | No NAICS Codes Found |

Has the Facility Received Notices of Violations:

| | |
|---|---|
| Found Violation: | No |
| Agency Which Determined Violation: | Not reported |
| Violation Short Description: | Not reported |

**WILCOX WOODWORKS (Continued)** **1000891736**

| | |
|---|---|
| Date Violation was Determined: | Not reported |
| Actual Return to Compliance Date: | Not reported |
| Return to Compliance Qualifier: | Not reported |
| Violation Responsible Agency: | Not reported |
| Scheduled Compliance Date: | Not reported |
| Enforcement Identifier: | Not reported |
| Date of Enforcement Action: | Not reported |
| Enforcement Responsible Agency: | Not reported |
| Enforcement Docket Number: | Not reported |
| Enforcement Attorney: | Not reported |
| Corrective Action Component: | Not reported |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | Not reported |
| Enforcement Responsible Person: | Not reported |
| Enforcement Responsible Sub-Organization: | Not reported |
| SEP Sequence Number: | Not reported |
| SEP Expenditure Amount: | Not reported |
| SEP Scheduled Completion Date: | Not reported |
| SEP Actual Date: | Not reported |
| SEP Defaulted Date: | Not reported |
| SEP Type: | Not reported |
| SEP Type Description: | Not reported |
| Proposed Amount: | Not reported |
| Final Monetary Amount: | Not reported |
| Paid Amount: | Not reported |
| Final Count: | Not reported |
| Final Amount: | Not reported |

Evaluation Action Summary:

| | |
|---|---|
| Evaluation Date: | 20121129 |
| Evaluation Responsible Agency: | State |
| Found Violation: | No |
| Evaluation Type Description: | COMPLIANCE EVALUATION INSPECTION |
| Evaluation Responsible Person Identifier: | R4JWC |
| Evaluation Responsible Sub-Organization: | NR |
| Actual Return to Compliance Date: | Not reported |
| Scheduled Compliance Date: | Not reported |
| Date of Request: | Not reported |
| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |

FINDS:
Registry ID: 110006179189

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
The Department of Labor, Occupational Safety and Health Administration

**WILCOX WOODWORKS (Continued)** **1000891736**

information system consists of inspection case detail for approximately 100,000 OSHA inspections conducted annually. The FRS dataset includes facilities that had inspections within the last 7 years within the mining, oil and gas, utilities, and manufacturing sectors.
The Resource Conservation and Recovery Act Information System (RCRAInfo) is EPA's comprehensive information system in support of the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. It tracks many types of information about generators, transporters, treaters, storers, and disposers of hazardous waste.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

| | |
|---|---|
| Envid: | 1000891736 |
| Registry ID: | 110006179189 |
| DFR URL: | http://echo.epa.gov/detailed-facility-report?fid=110006179189 |
| Name: | WILCOX WOODWORKS |
| Address: | 10687 WAKEMAN CT |
| City,State,Zip: | MANASSAS, VA 22110 |

E MANIFEST:

| | |
|---|---|
| Manifest Tracking Number: | 021333482JJK |
| Last Updated Date: | 20201029 |
| Shipped Date: | 20201006 |
| Received Date: | 20201016 |
| Manifest Status: | Signed |
| Submission Type: | DataImage5Copy |
| Origin Type: | Web |
| Generator EPA ID: | VA0000347922 |
| Generator Name: | Wilcox Woodworks |
| Generator Mail Street Number: | Not reported |
| Generator Mail Street 1: | 10687 WAKEMAN CT |
| Generator Mail Street 2: | Not reported |
| Generator Mail City: | MANASSAS |
| Generator Mail State: | VA |
| Generator Mail Zip: | 22110 |
| Generator Location Street Number: | Not reported |
| Generator Location Street 1: | 10687 WAKEMAN CT |
| Generator Location Street 2: | Not reported |
| Generator Location City: | MANASSAS |
| Generator Location Zip: | 22110 |
| Generator Location State: | VA |
| Generator Contact Company Name: | Not reported |
| Designated Facility EPA ID: | ALD070513767 |
| Designated Facility Name: | Giant Resource Recovery- Attalla, Inc. |
| Designated Facility Mail Street Number: | 1229 |
| Designated Facility Mail Street 1: | Not reported |
| Designated Facility Mail Street 2: | VALLEY DRIVE |
| Designated Facility Mail City: | ATTALLA |
| Designated Facility Mail Zip: | 35954 |
| Designated Facility Mail State: | AL |
| Designated Facility Location Street Number: | 1229 |
| Designated Facility Location Street 1: | VALLEY DRIVE |
| Designated Facility Location Street 2: | Not reported |

**WILCOX WOODWORKS (Continued)** **1000891736**

| | |
|---|---|
| Designated Facility Location City: | ATTALLA |
| Designated Facility Location Zip: | 35954 |
| Designated Facility Location State: | AL |
| Designated Facility Contact Company Name: | Not reported |
| Manifest Residue Indicator: | N |
| Rejection Indicator: | N |

| | |
|---|---|
| Manifest Tracking Number: | 021333482JJK |
| Last Updated Date: | 20201029 |
| Shipped Date: | 20201006 |
| Received Date: | 20201016 |
| Manifest Status: | Signed |
| Submission Type: | DataImage5Copy |
| Origin Type: | Web |
| Generator EPA ID: | VA0000347922 |
| Generator Name: | Wilcox Woodworks |
| Generator Mail Street Number: | Not reported |
| Generator Mail Street 1: | 10687 WAKEMAN CT |
| Generator Mail Street 2: | Not reported |
| Generator Mail City: | MANASSAS |
| Generator Mail State: | VA |
| Generator Mail Zip: | 22110 |
| Generator Location Street Number: | Not reported |
| Generator Location Street 1: | 10687 WAKEMAN CT |
| Generator Location Street 2: | Not reported |
| Generator Location City: | MANASSAS |
| Generator Location Zip: | 22110 |
| Generator Location State: | VA |
| Generator Contact Company Name: | Not reported |
| Designated Facility EPA ID: | ALD070513767 |
| Designated Facility Name: | Giant Resource Recovery- Attalla, Inc. |
| Designated Facility Mail Street Number: | 1229 |
| Designated Facility Mail Street 1: | Not reported |
| Designated Facility Mail Street 2: | VALLEY DRIVE |
| Designated Facility Mail City: | ATTALLA |
| Designated Facility Mail Zip: | 35954 |
| Designated Facility Mail State: | AL |
| Designated Facility Location Street Number: | 1229 |
| Designated Facility Location Street 1: | VALLEY DRIVE |
| Designated Facility Location Street 2: | Not reported |
| Designated Facility Location City: | ATTALLA |
| Designated Facility Location Zip: | 35954 |
| Designated Facility Location State: | AL |
| Designated Facility Contact Company Name: | Not reported |
| Manifest Residue Indicator: | N |
| Rejection Indicator: | N |

| | |
|---|---|
| Manifest Tracking Number: | 019003103JJK |
| Last Updated Date: | 20190530 |
| Shipped Date: | 20180710 |
| Received Date: | 20180720 |
| Manifest Status: | Signed |
| Submission Type: | DataImage5Copy |
| Origin Type: | Web |
| Generator EPA ID: | VA0000347022 |
| Generator Name: | Wilcox Woodworks |
| Generator Mail Street Number: | Not reported |

**WILCOX WOODWORKS (Continued)** **1000891736**

| | |
|---|---|
| Generator Mail Street 1: | 10687 WAKEMAN CT |
| Generator Mail Street 2: | Not reported |
| Generator Mail City: | MANASSAS |
| Generator Mail State: | VA |
| Generator Mail Zip: | 20110 |
| Generator Location Street Number: | Not reported |
| Generator Location Street 1: | 10687 WAKEMAN CT |
| Generator Location Street 2: | Not reported |
| Generator Location City: | Manassas |
| Generator Location Zip: | 20110 |
| Generator Location State: | VA |
| Generator Contact Company Name: | Not reported |
| Designated Facility EPA ID: | ALD070513767 |
| Designated Facility Name: | Giant Resource Recovery- Attalla, Inc. |
| Designated Facility Mail Street Number: | Not reported |
| Designated Facility Mail Street 1: | Not reported |
| Designated Facility Mail Street 2: | 1229 VALLEY DRIVE |
| Designated Facility Mail City: | ATTALLA |
| Designated Facility Mail Zip: | 35954 |
| Designated Facility Mail State: | AL |
| Designated Facility Location Street Number: | Not reported |
| Designated Facility Location Street 1: | 1229 VALLEY DRIVE |
| Designated Facility Location Street 2: | Not reported |
| Designated Facility Location City: | ATTALLA |
| Designated Facility Location Zip: | 35954 |
| Designated Facility Location State: | AL |
| Designated Facility Contact Company Name: | Not reported |
| Manifest Residue Indicator: | N |
| Rejection Indicator: | N |

| | |
|---|---|
| Manifest Tracking Number: | 019003103JJK |
| Last Updated Date: | 20190530 |
| Shipped Date: | 20180710 |
| Received Date: | 20180720 |
| Manifest Status: | Signed |
| Submission Type: | DataImage5Copy |
| Origin Type: | Web |
| Generator EPA ID: | VA0000347022 |
| Generator Name: | Wilcox Woodworks |
| Generator Mail Street Number: | Not reported |
| Generator Mail Street 1: | 10687 WAKEMAN CT |
| Generator Mail Street 2: | Not reported |
| Generator Mail City: | MANASSAS |
| Generator Mail State: | VA |
| Generator Mail Zip: | 20110 |
| Generator Location Street Number: | Not reported |
| Generator Location Street 1: | 10687 WAKEMAN CT |
| Generator Location Street 2: | Not reported |
| Generator Location City: | Manassas |
| Generator Location Zip: | 20110 |
| Generator Location State: | VA |
| Generator Contact Company Name: | Not reported |
| Designated Facility EPA ID: | ALD070513767 |
| Designated Facility Name: | Giant Resource Recovery- Attalla, Inc. |
| Designated Facility Mail Street Number: | Not reported |
| Designated Facility Mail Street 1: | Not reported |
| Designated Facility Mail Street 2: | 1229 VALLEY DRIVE |

**WILCOX WOODWORKS (Continued)** **1000891736**

| | |
|---|---|
| Designated Facility Mail City: | ATTALLA |
| Designated Facility Mail Zip: | 35954 |
| Designated Facility Mail State: | AL |
| Designated Facility Location Street Number: | Not reported |
| Designated Facility Location Street 1: | 1229 VALLEY DRIVE |
| Designated Facility Location Street 2: | Not reported |
| Designated Facility Location City: | ATTALLA |
| Designated Facility Location Zip: | 35954 |
| Designated Facility Location State: | AL |
| Designated Facility Contact Company Name: | Not reported |
| Manifest Residue Indicator: | N |
| Rejection Indicator: | N |

| | |
|---|---|
| Manifest Tracking Number: | 020064943JJK |
| Last Updated Date: | 20191104 |
| Shipped Date: | 20190219 |
| Received Date: | 20190301 |
| Manifest Status: | Signed |
| Submission Type: | DataImage5Copy |
| Origin Type: | Web |
| Generator EPA ID: | VA0000347922 |
| Generator Name: | Wilcox Woodworks |
| Generator Mail Street Number: | Not reported |
| Generator Mail Street 1: | 10687 WAKEMAN CT |
| Generator Mail Street 2: | Not reported |
| Generator Mail City: | MANASSAS |
| Generator Mail State: | VA |
| Generator Mail Zip: | 22110 |
| Generator Location Street Number: | Not reported |
| Generator Location Street 1: | 10687 WAKEMAN CT |
| Generator Location Street 2: | Not reported |
| Generator Location City: | MANASSAS |
| Generator Location Zip: | 22110 |
| Generator Location State: | VA |
| Generator Contact Company Name: | Not reported |
| Designated Facility EPA ID: | ALD070513767 |
| Designated Facility Name: | Giant Resource Recovery- Attalla, Inc. |
| Designated Facility Mail Street Number: | Not reported |
| Designated Facility Mail Street 1: | Not reported |
| Designated Facility Mail Street 2: | 1229 VALLEY DRIVE |
| Designated Facility Mail City: | ATTALLA |
| Designated Facility Mail Zip: | 35954 |
| Designated Facility Mail State: | AL |
| Designated Facility Location Street Number: | Not reported |
| Designated Facility Location Street 1: | 1229 VALLEY DRIVE |
| Designated Facility Location Street 2: | Not reported |
| Designated Facility Location City: | ATTALLA |
| Designated Facility Location Zip: | 35954 |
| Designated Facility Location State: | AL |
| Designated Facility Contact Company Name: | Not reported |
| Manifest Residue Indicator: | N |
| Rejection Indicator: | N |

| | |
|---|---|
| Manifest Tracking Number: | 020064943JJK |
| Last Updated Date: | 20191104 |
| Shipped Date: | 20190219 |
| Received Date: | 20190301 |

**WILCOX WOODWORKS (Continued)** **1000891736**

| | |
|---|---|
| Manifest Status: | Signed |
| Submission Type: | DataImage5Copy |
| Origin Type: | Web |
| Generator EPA ID: | VA0000347922 |
| Generator Name: | Wilcox Woodworks |
| Generator Mail Street Number: | Not reported |
| Generator Mail Street 1: | 10687 WAKEMAN CT |
| Generator Mail Street 2: | Not reported |
| Generator Mail City: | MANASSAS |
| Generator Mail State: | VA |
| Generator Mail Zip: | 22110 |
| Generator Location Street Number: | Not reported |
| Generator Location Street 1: | 10687 WAKEMAN CT |
| Generator Location Street 2: | Not reported |
| Generator Location City: | MANASSAS |
| Generator Location Zip: | 22110 |
| Generator Location State: | VA |
| Generator Contact Company Name: | Not reported |
| Designated Facility EPA ID: | ALD070513767 |
| Designated Facility Name: | Giant Resource Recovery- Attalla, Inc. |
| Designated Facility Mail Street Number: | Not reported |
| Designated Facility Mail Street 1: | Not reported |
| Designated Facility Mail Street 2: | 1229 VALLEY DRIVE |
| Designated Facility Mail City: | ATTALLA |
| Designated Facility Mail Zip: | 35954 |
| Designated Facility Mail State: | AL |
| Designated Facility Location Street Number: | Not reported |
| Designated Facility Location Street 1: | 1229 VALLEY DRIVE |
| Designated Facility Location Street 2: | Not reported |
| Designated Facility Location City: | ATTALLA |
| Designated Facility Location Zip: | 35954 |
| Designated Facility Location State: | AL |
| Designated Facility Contact Company Name: | Not reported |
| Manifest Residue Indicator: | N |
| Rejection Indicator: | N |

| | |
|---|---|
| Manifest Tracking Number: | 020575850JJK |
| Last Updated Date: | 20191210 |
| Shipped Date: | 20190618 |
| Received Date: | 20190628 |
| Manifest Status: | Signed |
| Submission Type: | DataImage5Copy |
| Origin Type: | Web |
| Generator EPA ID: | VA0000347922 |
| Generator Name: | Wilcox Woodworks |
| Generator Mail Street Number: | Not reported |
| Generator Mail Street 1: | 10687 WAKEMAN CT |
| Generator Mail Street 2: | Not reported |
| Generator Mail City: | MANASSAS |
| Generator Mail State: | VA |
| Generator Mail Zip: | 22110 |
| Generator Location Street Number: | Not reported |
| Generator Location Street 1: | 10687 WAKEMAN CT |
| Generator Location Street 2: | Not reported |
| Generator Location City: | MANASSAS |
| Generator Location Zip: | 22110 |
| Generator Location State: | VA |

**WILCOX WOODWORKS (Continued)** **1000891736**

| | |
|---|---|
| Generator Contact Company Name: | Not reported |
| Designated Facility EPA ID: | ALD070513767 |
| Designated Facility Name: | Giant Resource Recovery- Attalla, Inc. |
| Designated Facility Mail Street Number: | Not reported |
| Designated Facility Mail Street 1: | Not reported |
| Designated Facility Mail Street 2: | 1229 VALLEY DRIVE |
| Designated Facility Mail City: | ATTALLA |
| Designated Facility Mail Zip: | 35954 |
| Designated Facility Mail State: | AL |
| Designated Facility Location Street Number: | Not reported |
| Designated Facility Location Street 1: | 1229 VALLEY DRIVE |
| Designated Facility Location Street 2: | Not reported |
| Designated Facility Location City: | ATTALLA |
| Designated Facility Location Zip: | 35954 |
| Designated Facility Location State: | AL |
| Designated Facility Contact Company Name: | Not reported |
| Manifest Residue Indicator: | N |
| Rejection Indicator: | N |

| | |
|---|---|
| Manifest Tracking Number: | 020575850JJK |
| Last Updated Date: | 20191210 |
| Shipped Date: | 20190618 |
| Received Date: | 20190628 |
| Manifest Status: | Signed |
| Submission Type: | DataImage5Copy |
| Origin Type: | Web |
| Generator EPA ID: | VA0000347922 |
| Generator Name: | Wilcox Woodworks |
| Generator Mail Street Number: | Not reported |
| Generator Mail Street 1: | 10687 WAKEMAN CT |
| Generator Mail Street 2: | Not reported |
| Generator Mail City: | MANASSAS |
| Generator Mail State: | VA |
| Generator Mail Zip: | 22110 |
| Generator Location Street Number: | Not reported |
| Generator Location Street 1: | 10687 WAKEMAN CT |
| Generator Location Street 2: | Not reported |
| Generator Location City: | MANASSAS |
| Generator Location Zip: | 22110 |
| Generator Location State: | VA |
| Generator Contact Company Name: | Not reported |
| Designated Facility EPA ID: | ALD070513767 |
| Designated Facility Name: | Giant Resource Recovery- Attalla, Inc. |
| Designated Facility Mail Street Number: | Not reported |
| Designated Facility Mail Street 1: | Not reported |
| Designated Facility Mail Street 2: | 1229 VALLEY DRIVE |
| Designated Facility Mail City: | ATTALLA |
| Designated Facility Mail Zip: | 35954 |
| Designated Facility Mail State: | AL |
| Designated Facility Location Street Number: | Not reported |
| Designated Facility Location Street 1: | 1229 VALLEY DRIVE |
| Designated Facility Location Street 2: | Not reported |
| Designated Facility Location City: | ATTALLA |
| Designated Facility Location Zip: | 35954 |
| Designated Facility Location State: | AL |
| Designated Facility Contact Company Name: | Not reported |
| Manifest Residue Indicator: | N |

**WILCOX WOODWORKS (Continued)** **1000891736**

| | |
|---|---|
| Rejection Indicator: | N |
| | |
| Manifest Tracking Number: | 022998167JJK |
| Last Updated Date: | 20221230 |
| Shipped Date: | 20221206 |
| Received Date: | 20221227 |
| Manifest Status: | Signed |
| Submission Type: | DataImage5Copy |
| Origin Type: | Service |
| Generator EPA ID: | VA0000347922 |
| Generator Name: | Wilcox Woodworking |
| Generator Mail Street Number: | Not reported |
| Generator Mail Street 1: | 10687 WAKEMAN COURT |
| Generator Mail Street 2: | Not reported |
| Generator Mail City: | MANASSAS |
| Generator Mail State: | VA |
| Generator Mail Zip: | 20110 |
| Generator Location Street Number: | Not reported |
| Generator Location Street 1: | 10687 WAKEMAN COURT |
| Generator Location Street 2: | Not reported |
| Generator Location City: | MANASSAS |
| Generator Location Zip: | 20110 |
| Generator Location State: | VA |
| Generator Contact Company Name: | Not reported |
| Designated Facility EPA ID: | ALD070513767 |
| Designated Facility Name: | Giant Resource Recovery- Attalla, Inc. |
| Designated Facility Mail Street Number: | Not reported |
| Designated Facility Mail Street 1: | Not reported |
| Designated Facility Mail Street 2: | 1229 VALLEY DRIVE |
| Designated Facility Mail City: | ATTALLA |
| Designated Facility Mail Zip: | 35954 |
| Designated Facility Mail State: | AL |
| Designated Facility Location Street Number: | Not reported |
| Designated Facility Location Street 1: | 1229 VALLEY DRIVE |
| Designated Facility Location Street 2: | Not reported |
| Designated Facility Location City: | ATTALLA |
| Designated Facility Location Zip: | 35954 |
| Designated Facility Location State: | AL |
| Designated Facility Contact Company Name: | Not reported |
| Manifest Residue Indicator: | N |
| Rejection Indicator: | N |
| | |
| Manifest Tracking Number: | 022440749JJK |
| Last Updated Date: | 20210401 |
| Shipped Date: | 20210302 |
| Received Date: | 20210312 |
| Manifest Status: | Signed |
| Submission Type: | DataImage5Copy |
| Origin Type: | Web |
| Generator EPA ID: | VA0000347922 |
| Generator Name: | Wilcox Woodworks |
| Generator Mail Street Number: | Not reported |
| Generator Mail Street 1: | 10687 WAKEMAN CT |
| Generator Mail Street 2: | Not reported |
| Generator Mail City: | MANASSAS |
| Generator Mail State: | VA |
| Generator Mail Zip: | 22110 |

**WILCOX WOODWORKS (Continued)** **1000891736**

| | |
|---|---|
| Generator Location Street Number: | Not reported |
| Generator Location Street 1: | 10687 WAKEMAN CT |
| Generator Location Street 2: | Not reported |
| Generator Location City: | MANASSAS |
| Generator Location Zip: | 22110 |
| Generator Location State: | VA |
| Generator Contact Company Name: | Not reported |
| Designated Facility EPA ID: | ALD070513767 |
| Designated Facility Name: | Giant Resource Recovery- Attalla, Inc. |
| Designated Facility Mail Street Number: | 1229 |
| Designated Facility Mail Street 1: | Not reported |
| Designated Facility Mail Street 2: | VALLEY DRIVE |
| Designated Facility Mail City: | ATTALLA |
| Designated Facility Mail Zip: | 35954 |
| Designated Facility Mail State: | AL |
| Designated Facility Location Street Number: | 1229 |
| Designated Facility Location Street 1: | VALLEY DRIVE |
| Designated Facility Location Street 2: | Not reported |
| Designated Facility Location City: | ATTALLA |
| Designated Facility Location Zip: | 35954 |
| Designated Facility Location State: | AL |
| Designated Facility Contact Company Name: | Not reported |
| Manifest Residue Indicator: | N |
| Rejection Indicator: | N |

| | |
|---|---|
| Manifest Tracking Number: | 022440749JJK |
| Last Updated Date: | 20210401 |
| Shipped Date: | 20210302 |
| Received Date: | 20210312 |
| Manifest Status: | Signed |
| Submission Type: | DataImage5Copy |
| Origin Type: | Web |
| Generator EPA ID: | VA0000347922 |
| Generator Name: | Wilcox Woodworks |
| Generator Mail Street Number: | Not reported |
| Generator Mail Street 1: | 10687 WAKEMAN CT |
| Generator Mail Street 2: | Not reported |
| Generator Mail City: | MANASSAS |
| Generator Mail State: | VA |
| Generator Mail Zip: | 22110 |
| Generator Location Street Number: | Not reported |
| Generator Location Street 1: | 10687 WAKEMAN CT |
| Generator Location Street 2: | Not reported |
| Generator Location City: | MANASSAS |
| Generator Location Zip: | 22110 |
| Generator Location State: | VA |
| Generator Contact Company Name: | Not reported |
| Designated Facility EPA ID: | ALD070513767 |
| Designated Facility Name: | Giant Resource Recovery- Attalla, Inc. |
| Designated Facility Mail Street Number: | 1229 |
| Designated Facility Mail Street 1: | Not reported |
| Designated Facility Mail Street 2: | VALLEY DRIVE |
| Designated Facility Mail City: | ATTALLA |
| Designated Facility Mail Zip: | 35954 |
| Designated Facility Mail State: | AL |
| Designated Facility Location Street Number: | 1229 |
| Designated Facility Location Street 1: | VALLEY DRIVE |

**WILCOX WOODWORKS (Continued)** **1000891736**

Designated Facility Location Street 2: Not reported
Designated Facility Location City: ATTALLA
Designated Facility Location Zip: 35954
Designated Facility Location State: AL
Designated Facility Contact Company Name: Not reported
Manifest Residue Indicator: N
Rejection Indicator: N

Federal Waste:
Manifest Tracking Number: 023345747JJK
Waste Line Number: 1
Federal Waste Code: D001
Federal Waste: IGNITABLE WASTE

Manifest Tracking Number: 023345747JJK
Waste Line Number: 1
Federal Waste Code: D035
Federal Waste: METHYL ETHYL KETONE

Manifest Tracking Number: 023345747JJK
Waste Line Number: 1
Federal Waste Code: F003
Federal Waste: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Manifest Tracking Number: 023345747JJK
Waste Line Number: 1
Federal Waste Code: F005
Federal Waste: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Transporter:
Manifest Tracking Number: 023345747JJK
Transporter Line Number: 1
Transporter EPA ID: GAR000061564
Transporter Name: Mcf Environmental Services Inc

Manifest Tracking Number: 023345747JJK
Transporter Line Number: 2
Transporter EPA ID: GAR000061564
Transporter Name: Mcf Environmental Services Inc

Manifest Tracking Number: 023345747JJK

**WILCOX WOODWORKS (Continued)** **1000891736**

Transporter Line Number: 3
Transporter EPA ID: GAR000061564
Transporter Name: Mcf Environmental Services Inc

Manifest Tracking Number: 023345747JJK
Transporter Line Number: 4
Transporter EPA ID: ALD067138891
Transporter Name: Robbie D Wood, Inc.

Waste Line:
Manifest Tracking Number: 023345747JJK
Waste Line Number: 1
U.S. DOT Hazardous Indicator: Y
U.S. DOT ID Number: UN1993
U.S. DOT Description: Rq, Un1993, Waste Flammable Liquids, N.O.S. (Xylene,Toluene), 3, Pg Ii Grr Paint Waste Liquid 37401
Non-Hazardous Waste Description: Not reported
Number of Containers: 1
Container Type Code: DM
Container Type Description: Metal drums, barrels, kegs
Waste Quantity: 55
Quantity Unit of Measure Code: G
Quantity Unit of Measure Description: Gallons
Waste Quantity, in Tons: 0.2293578
Acute Waste Quantity, in Tons: 0
Non-Acute Waste Quantity, in Tons: 0.2293578
Waste Quantity, in Kilograms: 208.03441
Acute Waste Quantity, in Kilograms: 0
Non-Acute Waste Quantity, in Kilorgrams: 208.03441
Management Method Code: H061
Management Method Description: FUEL BLENDING
Waste Residue Indicator: N
Quantity Discrepancy Indicator: N
Waste Type Discrepancy Indicator: N
Waste Density: Not reported
Waste Density Unit of Measure Code: Not reported
Waste Density Unit of Measure Description: Not reported
Form Code: Not reported
Form Code Description: Not reported
Source Code: Not reported
Source Code Description: Not reported
Waste Minimization Code: Not reported
Waste Minimization Code Description: Not reported
Consent Number: Not reported
EPA Waste Indicator: Y

Click this hyperlink while viewing on your computer to access
7 additional US EManifest: record(s) in the EDR Site Report.

**69 NW < 1/8 0.075 mi. 395 ft.** — **TRI STATE TOURS**, **10680 WAKEMAN COURT**, **MANASSAS, VA 20110** — **RCRA NonGen / NLR**, **FINDS**, **ECHO** — **1000582421**, **VAD988212643**

**Actual:** 209 ft.

**Focus Map:** 2

RCRA Listings:

| | |
|---|---|
| Date Form Received by Agency: | 20170216 |
| Handler Name: | Tri State Tours |
| Handler Address: | 10680 Wakeman Court |
| Handler City,State,Zip: | MANASSAS, VA 22110 |
| EPA ID: | VAD988212643 |
| Contact Name: | DAVID BOLEN |
| Contact Address: | 10680 WAKEMAN COURT |
| Contact City,State,Zip: | MANASSAS, VA 22110 |
| Contact Telephone: | 703-330-8227 |
| Contact Fax: | Not reported |
| Contact Email: | Not reported |
| Contact Title: | Not reported |
| EPA Region: | 03 |
| Land Type: | Not reported |
| Federal Waste Generator Description: | Not a generator, verified |
| Non-Notifier: | Not reported |
| Biennial Report Cycle: | Not reported |
| Accessibility: | Not reported |
| Active Site Indicator: | Not reported |
| State District Owner: | Va |
| State District: | 4 |
| Mailing Address: | 10680 WAKEMAN COURT |
| Mailing City,State,Zip: | MANASSAS, VA 22110 |
| Owner Name: | Cannon Park Associates |
| Owner Type: | Private |
| Operator Name: | Not reported |
| Operator Type: | Not reported |
| Short-Term Generator Activity: | No |
| Importer Activity: | No |
| Mixed Waste Generator: | No |
| Transporter Activity: | No |
| Transfer Facility Activity: | No |
| Recycler Activity with Storage: | No |
| Small Quantity On-Site Burner Exemption: | No |
| Smelting Melting and Refining Furnace Exemption: | No |
| Underground Injection Control: | No |
| Off-Site Waste Receipt: | No |
| Universal Waste Indicator: | No |
| Universal Waste Destination Facility: | No |
| Federal Universal Waste: | No |
| Active Site State-Reg Handler: | --- |
| Federal Facility Indicator: | Not reported |
| Hazardous Secondary Material Indicator: | N |
| Sub-Part K Indicator: | Not reported |
| 2018 GPRA Permit Baseline: | Not on the Baseline |
| 2018 GPRA Renewals Baseline: | Not on the Baseline |
| 202 GPRA Corrective Action Baseline: | No |
| Subject to Corrective Action Universe: | No |
| Non-TSDFs Where RCRA CA has Been Imposed Universe: | No |
| Corrective Action Priority Ranking: | No NCAPS ranking |
| Environmental Control Indicator: | No |
| Institutional Control Indicator: | No |

**TRI STATE TOURS (Continued)** **1000582421**

| | |
|---|---|
| Human Exposure Controls Indicator: | N/A |
| Groundwater Controls Indicator: | N/A |
| Significant Non-Complier Universe: | No |
| Unaddressed Significant Non-Complier Universe: | No |
| Addressed Significant Non-Complier Universe: | No |
| Significant Non-Complier With a Compliance Schedule Universe: | No |
| Financial Assurance Required: | Not reported |
| Handler Date of Last Change: | 20170217 |
| Recognized Trader-Importer: | No |
| Recognized Trader-Exporter: | No |
| Importer of Spent Lead Acid Batteries: | No |
| Exporter of Spent Lead Acid Batteries: | No |
| Recycler Activity Without Storage: | No |
| Manifest Broker: | No |
| Sub-Part P Indicator: | No |

Hazardous Waste Summary:

| | |
|---|---|
| Waste Code: | D000 |
| Waste Description: | Not Defined |
| Waste Code: | D001 |
| Waste Description: | Ignitable Waste |
| Waste Code: | D006 |
| Waste Description: | Cadmium |
| Waste Code: | D008 |
| Waste Description: | Lead |
| Waste Code: | D018 |
| Waste Description: | Benzene |
| Waste Code: | D039 |
| Waste Description: | Tetrachloroethylene |

Handler - Owner Operator:

| | |
|---|---|
| Owner/Operator Indicator: | Owner |
| Owner/Operator Name: | CANNON PARK ASSOCIATES |
| Legal Status: | Private |
| Date Became Current: | Not reported |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | 5621 VINE ST |
| Owner/Operator City,State,Zip: | ALEXANDRIA, VA 22310 |
| Owner/Operator Telephone: | 703-971-6840 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |
| Owner/Operator Indicator: | Owner |
| Owner/Operator Name: | CANNON PARK ASSOCIATES |
| Legal Status: | Private |
| Date Became Current: | Not reported |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | 5621 VINE ST |
| Owner/Operator City,State,Zip: | ALEXANDRIA, VA 22310 |

**TRI STATE TOURS (Continued)** **1000582421**

Owner/Operator Telephone: 703-971-6840
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20170216
Handler Name: TRI STATE TOURS
Federal Waste Generator Description: Not a generator, verified
State District Owner: Va
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19920302
Handler Name: TRI STATE TOURS
Federal Waste Generator Description: Small Quantity Generator
State District Owner: Va
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

Has the Facility Received Notices of Violations:
Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number Not reported

**TRI STATE TOURS (Continued)** **1000582421**

Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Evaluation Action Summary:
Evaluation Date: 20170216
Evaluation Responsible Agency: State
Found Violation: No
Evaluation Type Description: FOCUSED COMPLIANCE INSPECTION
Evaluation Responsible Person Identifier: R4AMZ
Evaluation Responsible Sub-Organization: NR
Actual Return to Compliance Date: Not reported
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

FINDS:
Registry ID: 110008196816

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
The Resource Conservation and Recovery Act Information System (RCRAInfo) is EPA's comprehensive information system in support of the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. It tracks many types of information about generators, transporters, treaters, storers, and disposers of hazardous waste.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1000582421
Registry ID: 110008196816
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110008196816
Name: TRI STATE TOURS
Address: 10680 WAKEMAN COURT
City,State,Zip: MANASSAS, VA 20110

**70**
**SW**
**< 1/8**
**0.107 mi.**
**564 ft.**

**VA RAILWAY EXPRESS BROAD RUN MAINT FACILITY**
**10637 PIPER LN**
**BRISTOW, VA 20136**

**UST FINDER**

**1028801967**
**N/A**

**Actual:**
**194 ft.**

**Focus Map:**
**5**

UST FINDER:

| | |
|---|---|
| Object ID: | 519604 |
| Facility ID: | VA3041755 |
| Name: | VA RAILWAY EXPRESS BROAD RUN MAINT FACILITY |
| Address: | 10637 PIPER LN |
| City,State,Zip: | BRISTOW, VA 20136 |
| Address Match Type: | PointAddress |
| Open USTs: | 1 |
| Closed USTs: | 0 |
| TOS USTs: | 0 |
| Population 1500ft: | 1 |
| Private Wells 1500ft: | 1 |
| Within 100yr Floodplain: | No |
| Land Use: | Developed, Medium Intensity |
| Within SPA: | No |
| SPA PWS Facility ID: | Not reported |
| SPA Water Type: | Not reported |
| SPA Facility Type: | Not reported |
| SPA HUC12: | Not reported |
| Within WHPA: | Yes |
| WHPA PWS Facility ID: | VA6153264_20038 |
| WHPA Water Type: | GW - Ground water |
| WHPA Facility Type: | WL - Well |
| WHPA HUC12: | 020700100504 |
| Facility Status: | Open UST(s) |
| Date of Last Inspection: | Not reported |
| EPA Region: | 3 |
| Tribe: | Not reported |
| Coordinate Source: | Geocode |
| X Coord: | -77.52717 |
| Y Coord: | 38.728215 |
| Latitude: | 38.728215 |
| Longitude: | -77.52717 |

UST FINDER:

| | |
|---|---|
| Object ID: | 2148292 |
| Facility ID: | VA3041755 |
| Tank ID: | VA3041755_1 |
| Tank Status: | Open |
| Installation Date: | 2010/05/18 15:59:59+00 |
| Removal Date: | Not reported |
| Tank Capacity: | 500 |
| Substances: | USED OIL |
| Tank Wall Type: | Double |

**N71** **VDOT - MANASSAS RESIDENCY SHOP** **UST FINDER** **1028800551**
**NW** **10228 RESIDENCY RD** **N/A**
**< 1/8** **MANASSAS, VA 22110**
**0.111 mi.**
**584 ft.** **Site 1 of 5 in cluster N**

**Actual:**
**210 ft.**

**Focus Map:**
**5**

UST FINDER:

| | |
|---|---|
| Object ID: | 519632 |
| Facility ID: | VA3019535 |
| Name: | VDOT - MANASSAS RESIDENCY SHOP |
| Address: | 10228 RESIDENCY RD |
| City,State,Zip: | MANASSAS, VA 22110 |
| Address Match Type: | PointAddress |
| Open USTs: | 2 |
| Closed USTs: | 4 |
| TOS USTs: | 0 |
| Population 1500ft: | 1 |
| Private Wells 1500ft: | 1 |
| Within 100yr Floodplain: | No |
| Land Use: | Developed, High Intensity |
| Within SPA: | No |
| SPA PWS Facility ID: | Not reported |
| SPA Water Type: | Not reported |
| SPA Facility Type: | Not reported |
| SPA HUC12: | Not reported |
| Within WHPA: | Yes |
| WHPA PWS Facility ID: | VA6153264_20038 |
| WHPA Water Type: | GW - Ground water |
| WHPA Facility Type: | WL - Well |
| WHPA HUC12: | 020700100504 |
| Facility Status: | Open UST(s) |
| Date of Last Inspection: | Not reported |
| EPA Region: | 3 |
| Tribe: | Not reported |
| Coordinate Source: | Geocode |
| X Coord: | -77.5277594999999 |
| Y Coord: | 38.731167 |
| Latitude: | 38.731167 |
| Longitude: | -77.5277595 |

UST FINDER:

| | |
|---|---|
| Object ID: | 2003467 |
| Facility ID: | VA3019535 |
| Tank ID: | VA3019535_R1 |
| Tank Status: | Closed |
| Installation Date: | 1968/05/06 16:00:01+00 |
| Removal Date: | 1990/06/01 15:59:59+00 |
| Tank Capacity: | 2000 |
| Substances: | GASOLINE |
| Tank Wall Type: | Single |

| | |
|---|---|
| Object ID: | 2003468 |
| Facility ID: | VA3019535 |
| Tank ID: | VA3019535_R2 |
| Tank Status: | Closed |
| Installation Date: | 1968/05/06 16:00:01+00 |
| Removal Date: | 1990/06/01 15:59:59+00 |
| Tank Capacity: | 2000 |
| Substances: | GASOLINE |
| Tank Wall Type: | Single |

**VDOT - MANASSAS RESIDENCY SHOP (Continued)** **1028800551**

| | |
|---|---|
| Object ID: | 2003469 |
| Facility ID: | VA3019535 |
| Tank ID: | VA3019535_R3 |
| Tank Status: | Closed |
| Installation Date: | 1968/05/06 16:00:01+00 |
| Removal Date: | 1990/06/01 15:59:59+00 |
| Tank Capacity: | 2000 |
| Substances: | DIESEL |
| Tank Wall Type: | Single |

| | |
|---|---|
| Object ID: | 2003470 |
| Facility ID: | VA3019535 |
| Tank ID: | VA3019535_R4 |
| Tank Status: | Closed |
| Installation Date: | 1968/05/06 16:00:01+00 |
| Removal Date: | 1990/06/01 15:59:59+00 |
| Tank Capacity: | 2000 |
| Substances: | KEROSENE |
| Tank Wall Type: | Single |

| | |
|---|---|
| Object ID: | 2108230 |
| Facility ID: | VA3019535 |
| Tank ID: | VA3019535_2 |
| Tank Status: | Open |
| Installation Date: | 1990/06/01 15:59:59+00 |
| Removal Date: | Not reported |
| Tank Capacity: | 10000 |
| Substances: | GASOLINE |
| Tank Wall Type: | Single |

| | |
|---|---|
| Object ID: | 2108231 |
| Facility ID: | VA3019535 |
| Tank ID: | VA3019535_1 |
| Tank Status: | Open |
| Installation Date: | 1990/06/01 15:59:59+00 |
| Removal Date: | Not reported |
| Tank Capacity: | 10000 |
| Substances: | DIESEL |
| Tank Wall Type: | Single |

---

**N72** **VDOT - MANASSAS AREA HEADQUARTERS SHOP** **UST FINDER RELEASE** **1029126803**
**NW** **10228 RESIDENCY RD** **N/A**
**< 1/8** **MANASSAS, VA 22110**
**0.111 mi.**
**584 ft.** **Site 2 of 5 in cluster N**

**Actual:**
**210 ft.**

**Focus Map:**
**5**

UST FINDER RELEASE:

| | |
|---|---|
| Object ID: | 418071 |
| Facility ID: | Not reported |
| Lust ID: | VA19900438 |
| Name: | VDOT - MANASSAS AREA HEADQUARTERS SHOP |
| Address: | 10228 RESIDENCY RD |
| City,State,Zip: | MANASSAS, VA 22110 |
| Address Match Type: | PointAddress |
| Reported Date: | 1989/10/16 15:59:59+00 |
| Status: | No Further Action |
| Substance: | Not reported |

**VDOT - MANASSAS AREA HEADQUARTERS SHOP (Continued)** **1029126803**

| | |
|---|---|
| Population within 1500ft: | 1 |
| Domestic Wells within 1500ft: | 1 |
| Land Use: | Developed, High Intensity |
| Within SPA: | No |
| SPA PWS Facility ID: | Not reported |
| SPA Water Type: | Not reported |
| SPA Facility Type: | Not reported |
| SPA HUC12: | Not reported |
| Within WHPA: | Yes |
| WHPA PWS Facility ID: | VA6153264_20038 |
| WHPA Water Type: | GW - Ground water |
| WHPA Facility Type: | WL - Well |
| WHPA HUC12: | 020700100504 |
| Within 100yr Floodplain: | No |
| Tribe: | Not reported |
| EPA Region: | 3 |
| NFA Letter 1: | Not reported |
| NFA Letter 2: | Not reported |
| NFA Letter 3: | Not reported |
| NFA Letter 4: | Not reported |
| Closed With Residual Contaminate: | Not reported |
| Coordinate Source: | Geocode |
| X Coord: | -77.5277599999999 |
| Y Coord: | 38.7311700000001 |
| Latitude: | 38.7311699999999 |
| Longitude: | -77.52776 |

---

**N73** **VDOT - MANASSAS RESIDENCY SHOP** **VA UST** **U003988860**
**NW** **10228 RESIDENCY RD** **VA AST** **N/A**
**< 1/8** **MANASSAS, VA 22110** **VA Financial Assurance**
**0.111 mi.** **VA TIER 2**
**584 ft.** **Site 3 of 5 in cluster N**

**Actual:**
**210 ft.**

**Focus Map:**
**5**

Facility:

| | |
|---|---|
| Name: | VDOT - MANASSAS RESIDENCY SHOP |
| Address: | 10228 RESIDENCY RD |
| City,State,Zip: | MANASSAS, VA 22110 |
| Facility Id: | 3019535 |
| Facility Type: | STATE |
| CEDS Facility ID: | 2E+11 |

Owner:

| | |
|---|---|
| Owner Id: | 30159 |
| Owner Name: | VDOT |
| Owner Address: | 1221 E Broad St |
| Owner Address2: | Not reported |
| Owner City, State, Zip: | Richmond, VA 23219 |
| Owner Type: | STATE |
| Number of Active AST: | 1 |
| Number of Active UST: | 2 |
| Number of Inactive AST: | 0 |
| Number of Inactive UST: | 4 |

UST:

| | |
|---|---|
| Facility ID: | 3019535 |
| Federally Regulated: | Yes |
| Tank Number: | 1 |

**VDOT - MANASSAS RESIDENCY SHOP (Continued)** **U003988860**

| | |
|---|---|
| Tank Capacity: | 10000 |
| Tank Contents: | DIESEL |
| **Tank Status:** | **CURR IN USE** |
| Tank Type: | UST |
| Tank Material: | |
| Install Date: | 6/1/1990 |
| Tank Materials: Bare Steel | No |
| Tank Materials: Cath Protect Steel | No |
| Tank Materials: Epoxy Steel | No |
| Tank Materials: Fiberglass | Yes |
| Tank Materials: Concrete | Not reported |
| Tank Materials: Composite | No |
| Tank Materials: Double Walled | No |
| Tank Materials: Lined Interior | No |
| Tank Materials: Excav Liner | No |
| Tank Materials: Insulated Tank Jacket | No |
| Tank Materials: Repaired | No |
| Tank Materials: Unknown | No |
| Tank Materials: Other | No |
| Tank Materials: Other Note | Not reported |
| Release Detection: | |
| Tank Release Detection: Leak Deferred | No |
| Tank Release Detection: Manual Gauge | No |
| Tank Release Detection: Auto Gauge | Yes |
| Tank Release Detection:Tank Tightness | No |
| Tank Release Detection: Vapor Monitor | No |
| Tank Release Detection: Inventory | No |
| Tank Release Detection: Stat Invent Recon | No |
| Tank Release Detection: Spill Install | Yes |
| Tank Release Detection: Overfill Install | Yes |
| Tank Release Detection: Groundwater | No |
| Tank Release Detection: Int Sec Containment | No |
| Tank Release Detection: Int Double Walled | No |
| Tank Release Detection: Other Method | No |
| Tank Release Detection: Other Note | Not reported |
| Pipe Release Detection: Leak Deferred | Not reported |
| Pipe Release Detection: Autoleak | Not reported |
| Pipe Release Detection: Line Tightness | No |
| Pipe Release Detection: Stat Invent Recon | No |
| Pipe Release Detection: Groundwater | No |
| Pipe Release Detection: Int Sec Containment | No |
| Pipe Release Det: Interior Double Walled | Yes |
| Pipe Release Detection: Other Method | No |
| Pipe Release Detection: Other Note | Not reported |
| Pipe Type: | PRESSURE |
| Pipe Materials: Bare Steel | No |
| Pipe Materials: Galvanized Steel | No |
| Pipe Materials: Copper | No |
| Pipe Materials: Fiberglass | Yes |
| Pipe Materials: Cath Protect | No |
| Pipe Materials: Double Walled | Yes |
| Pipe Materials: Sec Containment | No |
| Pipe Materials: Repaired | No |
| Pipe Materials: Unknown | No |

**VDOT - MANASSAS RESIDENCY SHOP (Continued)** **U003988860**

| | |
|---|---|
| Pipe Materials: Other | No |
| Pipe Materials: Other Note | Not reported |
| Facility ID: | 3019535 |
| Federally Regulated: | Yes |
| Tank Number: | 2 |
| Tank Capacity: | 10000 |
| Tank Contents: | GASOLINE |
| **Tank Status:** | **CURR IN USE** |
| Tank Type: | UST |

Tank Material:

| | |
|---|---|
| Install Date: | 6/1/1990 |
| Tank Materials: Bare Steel | No |
| Tank Materials: Cath Protect Steel | No |
| Tank Materials: Epoxy Steel | No |
| Tank Materials: Fiberglass | Yes |
| Tank Materials: Concrete | Not reported |
| Tank Materials: Composite | No |
| Tank Materials: Double Walled | No |
| Tank Materials: Lined Interior | No |
| Tank Materials: Excav Liner | No |
| Tank Materials: Insulated Tank Jacket | No |
| Tank Materials: Repaired | No |
| Tank Materials: Unknown | No |
| Tank Materials: Other | No |
| Tank Materials: Other Note | Not reported |

Release Detection:

| | |
|---|---|
| Tank Release Detection: Leak Deferred | No |
| Tank Release Detection: Manual Gauge | No |
| Tank Release Detection: Auto Gauge | Yes |
| Tank Release Detection:Tank Tightness | No |
| Tank Release Detection: Vapor Monitor | No |
| Tank Release Detection: Inventory | No |
| Tank Release Detection: Stat Invent Recon | No |
| Tank Release Detection: Spill Install | Yes |
| Tank Release Detection: Overfill Install | Yes |
| Tank Release Detection: Groundwater | No |
| Tank Release Detection: Int Sec Containment | No |
| Tank Release Detection: Int Double Walled | No |
| Tank Release Detection: Other Method | No |
| Tank Release Detection: Other Note | Not reported |
| Pipe Release Detection: Leak Deferred | Not reported |
| Pipe Release Detection: Autoleak | Not reported |
| Pipe Release Detection: Line Tightness | No |
| Pipe Release Detection: Stat Invent Recon | No |
| Pipe Release Detection: Groundwater | No |
| Pipe Release Detection: Int Sec Containment | No |
| Pipe Release Det: Interior Double Walled | Yes |
| Pipe Release Detection: Other Method | No |
| Pipe Release Detection: Other Note | Not reported |
| Pipe Type: | PRESSURE |
| Pipe Materials: Bare Steel | No |

**VDOT - MANASSAS RESIDENCY SHOP (Continued)** **U003988860**

| | |
|---|---|
| Pipe Materials: Galvanized Steel | No |
| Pipe Materials: Copper | No |
| Pipe Materials: Fiberglass | Yes |
| Pipe Materials: Cath Protect | No |
| Pipe Materials: Double Walled | Yes |
| Pipe Materials: Sec Containment | No |
| Pipe Materials: Repaired | No |
| Pipe Materials: Unknown | No |
| Pipe Materials: Other | No |
| Pipe Materials: Other Note | Not reported |

| | |
|---|---|
| Facility ID: | 3019535 |
| Federally Regulated: | Yes |

| | |
|---|---|
| Tank Number: | R1 |
| Tank Capacity: | 2000 |
| Tank Contents: | GASOLINE |
| **Tank Status:** | **REM FROM GRD** |
| Tank Type: | UST |

Tank Material:

| | |
|---|---|
| Install Date: | 5/6/1968 |
| Tank Materials: Bare Steel | Yes |
| Tank Materials: Cath Protect Steel | No |
| Tank Materials: Epoxy Steel | No |
| Tank Materials: Fiberglass | No |
| Tank Materials: Concrete | Not reported |
| Tank Materials: Composite | No |
| Tank Materials: Double Walled | No |
| Tank Materials: Lined Interior | No |
| Tank Materials: Excav Liner | No |
| Tank Materials: Insulated Tank Jacket | No |
| Tank Materials: Repaired | No |
| Tank Materials: Unknown | No |
| Tank Materials: Other | No |
| Tank Materials: Other Note | Not reported |

Release Detection:

| | |
|---|---|
| Tank Release Detection: Leak Deferred | No |
| Tank Release Detection: Manual Gauge | No |
| Tank Release Detection: Auto Gauge | No |
| Tank Release Detection:Tank Tightness | No |
| Tank Release Detection: Vapor Monitor | No |
| Tank Release Detection: Inventory | No |
| Tank Release Detection: Stat Invent Recon | No |
| Tank Release Detection: Spill Install | No |
| Tank Release Detection: Overfill Install | No |
| Tank Release Detection: Groundwater | No |
| Tank Release Detection: Int Sec Containment | No |
| Tank Release Detection: Int Double Walled | No |
| Tank Release Detection: Other Method | No |
| Tank Release Detection: Other Note | Not reported |
| Pipe Release Detection: Leak Deferred | Not reported |
| Pipe Release Detection: Autoleak | Not reported |
| Pipe Release Detection: Line Tightness | No |
| Pipe Release Detection: Stat Invent Recon | No |

**VDOT - MANASSAS RESIDENCY SHOP (Continued)** **U003988860**

| | |
|---|---|
| Pipe Release Detection: Groundwater | No |
| Pipe Release Detection: Int Sec Containment | No |
| Pipe Release Det: Interior Double Walled | No |
| Pipe Release Detection: Other Method | No |
| Pipe Release Detection: Other Note | Not reported |
| | |
| Pipe Type: | VALVE SUCTION |
| Pipe Materials: Bare Steel | Yes |
| Pipe Materials: Galvanized Steel | No |
| Pipe Materials: Copper | No |
| Pipe Materials: Fiberglass | No |
| Pipe Materials: Cath Protect | No |
| Pipe Materials: Double Walled | No |
| Pipe Materials: Sec Containment | No |
| Pipe Materials: Repaired | No |
| Pipe Materials: Unknown | No |
| Pipe Materials: Other | No |
| Pipe Materials: Other Note | Not reported |
| | |
| Facility ID: | 3019535 |
| Federally Regulated: | Yes |
| | |
| Tank Number: | R2 |
| Tank Capacity: | 2000 |
| Tank Contents: | GASOLINE |
| **Tank Status:** | **REM FROM GRD** |
| Tank Type: | UST |

Tank Material:

| | |
|---|---|
| Install Date: | 5/6/1968 |
| Tank Materials: Bare Steel | Yes |
| Tank Materials: Cath Protect Steel | No |
| Tank Materials: Epoxy Steel | No |
| Tank Materials: Fiberglass | No |
| Tank Materials: Concrete | Not reported |
| Tank Materials: Composite | No |
| Tank Materials: Double Walled | No |
| Tank Materials: Lined Interior | No |
| Tank Materials: Excav Liner | No |
| Tank Materials: Insulated Tank Jacket | No |
| Tank Materials: Repaired | No |
| Tank Materials: Unknown | No |
| Tank Materials: Other | No |
| Tank Materials: Other Note | Not reported |

Release Detection:

| | |
|---|---|
| Tank Release Detection: Leak Deferred | No |
| Tank Release Detection: Manual Gauge | No |
| Tank Release Detection: Auto Gauge | No |
| Tank Release Detection:Tank Tightness | No |
| Tank Release Detection: Vapor Monitor | No |
| Tank Release Detection: Inventory | No |
| Tank Release Detection: Stat Invent Recon | No |
| Tank Release Detection: Spill Install | No |
| Tank Release Detection: Overfill Install | No |
| Tank Release Detection: Groundwater | No |

**VDOT - MANASSAS RESIDENCY SHOP (Continued)** **U003988860**

| | |
|---|---|
| Tank Release Detection: Int Sec Containment | No |
| Tank Release Detection: Int Double Walled | No |
| Tank Release Detection: Other Method | No |
| Tank Release Detection: Other Note | Not reported |
| Pipe Release Detection: Leak Deferred | Not reported |
| Pipe Release Detection: Autoleak | Not reported |
| Pipe Release Detection: Line Tightness | No |
| Pipe Release Detection: Stat Invent Recon | No |
| Pipe Release Detection: Groundwater | No |
| Pipe Release Detection: Int Sec Containment | No |
| Pipe Release Det: Interior Double Walled | No |
| Pipe Release Detection: Other Method | No |
| Pipe Release Detection: Other Note | Not reported |

| | |
|---|---|
| Pipe Type: | VALVE SUCTION |
| Pipe Materials: Bare Steel | Yes |
| Pipe Materials: Galvanized Steel | No |
| Pipe Materials: Copper | No |
| Pipe Materials: Fiberglass | No |
| Pipe Materials: Cath Protect | No |
| Pipe Materials: Double Walled | No |
| Pipe Materials: Sec Containment | No |
| Pipe Materials: Repaired | No |
| Pipe Materials: Unknown | No |
| Pipe Materials: Other | No |
| Pipe Materials: Other Note | Not reported |

| | |
|---|---|
| Facility ID: | 3019535 |
| Federally Regulated: | Yes |

| | |
|---|---|
| Tank Number: | R3 |
| Tank Capacity: | 2000 |
| Tank Contents: | DIESEL |
| **Tank Status:** | **REM FROM GRD** |
| Tank Type: | UST |

Tank Material:

| | |
|---|---|
| Install Date: | 5/6/1968 |
| Tank Materials: Bare Steel | Yes |
| Tank Materials: Cath Protect Steel | No |
| Tank Materials: Epoxy Steel | No |
| Tank Materials: Fiberglass | No |
| Tank Materials: Concrete | Not reported |
| Tank Materials: Composite | No |
| Tank Materials: Double Walled | No |
| Tank Materials: Lined Interior | No |
| Tank Materials: Excav Liner | No |
| Tank Materials: Insulated Tank Jacket | No |
| Tank Materials: Repaired | No |
| Tank Materials: Unknown | No |
| Tank Materials: Other | No |
| Tank Materials: Other Note | Not reported |

Release Detection:

| | |
|---|---|
| Tank Release Detection: Leak Deferred | No |
| Tank Release Detection: Manual Gauge | No |

**VDOT - MANASSAS RESIDENCY SHOP (Continued)** **U003988860**

| | |
|---|---|
| Tank Release Detection: Auto Gauge | No |
| Tank Release Detection:Tank Tightness | No |
| Tank Release Detection: Vapor Monitor | No |
| Tank Release Detection: Inventory | No |
| Tank Release Detection: Stat Invent Recon | No |
| Tank Release Detection: Spill Install | No |
| Tank Release Detection: Overfill Install | No |
| Tank Release Detection: Groundwater | No |
| Tank Release Detection: Int Sec Containment | No |
| Tank Release Detection: Int Double Walled | No |
| Tank Release Detection: Other Method | No |
| Tank Release Detection: Other Note | Not reported |
| Pipe Release Detection: Leak Deferred | Not reported |
| Pipe Release Detection: Autoleak | Not reported |
| Pipe Release Detection: Line Tightness | No |
| Pipe Release Detection: Stat Invent Recon | No |
| Pipe Release Detection: Groundwater | No |
| Pipe Release Detection: Int Sec Containment | No |
| Pipe Release Det: Interior Double Walled | No |
| Pipe Release Detection: Other Method | No |
| Pipe Release Detection: Other Note | Not reported |

| | |
|---|---|
| Pipe Type: | VALVE SUCTION |
| Pipe Materials: Bare Steel | Yes |
| Pipe Materials: Galvanized Steel | No |
| Pipe Materials: Copper | No |
| Pipe Materials: Fiberglass | No |
| Pipe Materials: Cath Protect | No |
| Pipe Materials: Double Walled | No |
| Pipe Materials: Sec Containment | No |
| Pipe Materials: Repaired | No |
| Pipe Materials: Unknown | No |
| Pipe Materials: Other | No |
| Pipe Materials: Other Note | Not reported |

| | |
|---|---|
| Facility ID: | 3019535 |
| Federally Regulated: | Yes |

| | |
|---|---|
| Tank Number: | R4 |
| Tank Capacity: | 2000 |
| Tank Contents: | KEROSENE |
| **Tank Status:** | **REM FROM GRD** |
| Tank Type: | UST |

Tank Material:

| | |
|---|---|
| Install Date: | 5/6/1968 |
| Tank Materials: Bare Steel | Yes |
| Tank Materials: Cath Protect Steel | No |
| Tank Materials: Epoxy Steel | No |
| Tank Materials: Fiberglass | No |
| Tank Materials: Concrete | Not reported |
| Tank Materials: Composite | No |
| Tank Materials: Double Walled | No |
| Tank Materials: Lined Interior | No |
| Tank Materials: Excav Liner | No |
| Tank Materials: Insulated Tank Jacket | No |
| Tank Materials: Repaired | No |

**VDOT - MANASSAS RESIDENCY SHOP (Continued)** **U003988860**

| | |
|---|---|
| Tank Materials: Unknown | No |
| Tank Materials: Other | No |
| Tank Materials: Other Note | Not reported |

Release Detection:

| | |
|---|---|
| Tank Release Detection: Leak Deferred | No |
| Tank Release Detection: Manual Gauge | No |
| Tank Release Detection: Auto Gauge | No |
| Tank Release Detection:Tank Tightness | No |
| Tank Release Detection: Vapor Monitor | No |
| Tank Release Detection: Inventory | No |
| Tank Release Detection: Stat Invent Recon | No |
| Tank Release Detection: Spill Install | No |
| Tank Release Detection: Overfill Install | No |
| Tank Release Detection: Groundwater | No |
| Tank Release Detection: Int Sec Containment | No |
| Tank Release Detection: Int Double Walled | No |
| Tank Release Detection: Other Method | No |
| Tank Release Detection: Other Note | Not reported |
| Pipe Release Detection: Leak Deferred | Not reported |
| Pipe Release Detection: Autoleak | Not reported |
| Pipe Release Detection: Line Tightness | No |
| Pipe Release Detection: Stat Invent Recon | No |
| Pipe Release Detection: Groundwater | No |
| Pipe Release Detection: Int Sec Containment | No |
| Pipe Release Det: Interior Double Walled | No |
| Pipe Release Detection: Other Method | No |
| Pipe Release Detection: Other Note | Not reported |

| | |
|---|---|
| Pipe Type: | VALVE SUCTION |
| Pipe Materials: Bare Steel | Yes |
| Pipe Materials: Galvanized Steel | No |
| Pipe Materials: Copper | No |
| Pipe Materials: Fiberglass | No |
| Pipe Materials: Cath Protect | No |
| Pipe Materials: Double Walled | No |
| Pipe Materials: Sec Containment | No |
| Pipe Materials: Repaired | No |
| Pipe Materials: Unknown | No |
| Pipe Materials: Other | No |
| Pipe Materials: Other Note | Not reported |

AST:

| | |
|---|---|
| Facility ID: | 3019535 |
| Facility Type: | STATE |
| CEDS Facility ID: | 2E+11 |

Tank Info:

Owner:

| | |
|---|---|
| Owner Id: | 30159 |
| Owner Name: | VDOT |
| Owner Address: | 1221 E Broad St |
| Owner Address2: | Not reported |
| Owner City/State/Zip: | Richmond, VA 23219 |
| Owner Type: | STATE |

**VDOT - MANASSAS RESIDENCY SHOP (Continued)** **U003988860**

Number of Active AST: 1
Number of Active UST: 2
Number of Inactive AST: 0
Number of Inactive UST: 4

Fed Regulated: No
Tank Number: 3
Tank Type: AST
Tank Capacity: 1000
Tank Contents: HEATING OIL
Tank Status: CURR IN USE
Install Date: 7/15/1990
Date Closed: Not reported

VA Financial Assurance 1:
Name: VDOT - MANASSAS RESIDENCY SHOP
Address: 10228 RESIDENCY RD
Address 2: Not reported
City,State,Zip: MANASSAS, VA 22110
Facility ID: 3019535
Owner Name: VDOT
ROF Own Id: 30159
Tank Type: UST
Mechanism: Not reported
Gallonage: Not reported
Per Occurence: Not reported
Third Party: Not reported
Annual Aggregate: Not reported
In Compliance: Not reported
Total Capacity: 10000
CEDS Facility Name: VDOT Manassas - Manassas Area Headquarters
Tank Status: CURR IN USE
Active Federally Regualted UST: Y

Name: VDOT - MANASSAS RESIDENCY SHOP
Address: 10228 RESIDENCY RD
Address 2: Not reported
City,State,Zip: MANASSAS, VA 22110
Facility ID: 3019535
Owner Name: VDOT
ROF Own Id: 30159
Tank Type: UST
Mechanism: Not reported
Gallonage: Not reported
Per Occurence: Not reported
Third Party: Not reported
Annual Aggregate: Not reported
In Compliance: Not reported
Total Capacity: 10000
CEDS Facility Name: VDOT Manassas - Manassas Area Headquarters
Tank Status: CURR IN USE
Active Federally Regualted UST: Y

Name: VDOT - MANASSAS RESIDENCY SHOP
Address: 10228 RESIDENCY RD

**VDOT - MANASSAS RESIDENCY SHOP (Continued)** **U003988860**

Address 2: Not reported
City,State,Zip: MANASSAS, VA 22110
Facility ID: 3019535
Owner Name: VDOT
ROF Own Id: 30159
Tank Type: UST
Mechanism: Not reported
Gallonage: Not reported
Per Occurence: Not reported
Third Party: Not reported
Annual Aggregate: Not reported
In Compliance: Not reported
Total Capacity: 10000
CEDS Facility Name: VDOT Manassas - Manassas Area Headquarters
Tank Status: CURR IN USE
Active Federally Regualted UST: Y

Name: VDOT - MANASSAS RESIDENCY SHOP
Address: 10228 RESIDENCY RD
Address 2: Not reported
City,State,Zip: MANASSAS, VA 22110
Facility ID: 3019535
Owner Name: VDOT
ROF Own Id: 30159
Tank Type: UST
Mechanism: Not reported
Gallonage: Not reported
Per Occurence: Not reported
Third Party: Not reported
Annual Aggregate: Not reported
In Compliance: Not reported
Total Capacity: 10000
CEDS Facility Name: VDOT Manassas - Manassas Area Headquarters
Tank Status: CURR IN USE
Active Federally Regualted UST: Y

Name: VDOT - MANASSAS RESIDENCY SHOP
Address: 10228 RESIDENCY RD
Address 2: Not reported
City,State,Zip: MANASSAS, VA 22110
Facility ID: 3019535
Owner Name: VDOT
ROF Own Id: 30159
Tank Type: UST
Mechanism: Not reported
Gallonage: Not reported
Per Occurence: Not reported
Third Party: Not reported
Annual Aggregate: Not reported
In Compliance: Not reported
Total Capacity: 10000
CEDS Facility Name: VDOT Manassas - Manassas Area Headquarters
Tank Status: CURR IN USE
Active Federally Regualted UST: Y

Name: VDOT - MANASSAS RESIDENCY SHOP
Address: 10228 RESIDENCY RD

**VDOT - MANASSAS RESIDENCY SHOP (Continued)** **U003988860**

Address 2: Not reported
City,State,Zip: MANASSAS, VA 22110
Facility ID: 3019535
Owner Name: VDOT
ROF Own Id: 30159
Tank Type: UST
Mechanism: Not reported
Gallonage: Not reported
Per Occurence: Not reported
Third Party: Not reported
Annual Aggregate: Not reported
In Compliance: Not reported
Total Capacity: 10000
CEDS Facility Name: VDOT Manassas - Manassas Area Headquarters
Tank Status: CURR IN USE
Active Federally Regualted UST: Y

Name: VDOT - MANASSAS RESIDENCY SHOP
Address: 10228 RESIDENCY RD
Address 2: Not reported
City,State,Zip: MANASSAS, VA 22110
Facility ID: 3019535
Owner Name: VDOT
ROF Own Id: 30159
Tank Type: UST
Mechanism: Not reported
Gallonage: Not reported
Per Occurence: Not reported
Third Party: Not reported
Annual Aggregate: Not reported
In Compliance: Not reported
Total Capacity: 10000
CEDS Facility Name: VDOT Manassas - Manassas Area Headquarters
Tank Status: CURR IN USE
Active Federally Regualted UST: Y

Name: VDOT - MANASSAS RESIDENCY SHOP
Address: 10228 RESIDENCY RD
Address 2: Not reported
City,State,Zip: MANASSAS, VA 22110
Facility ID: 3019535
Owner Name: VDOT
ROF Own Id: 30159
Tank Type: UST
Mechanism: Not reported
Gallonage: Not reported
Per Occurence: Not reported
Third Party: Not reported
Annual Aggregate: Not reported
In Compliance: Not reported
Total Capacity: 10000
CEDS Facility Name: VDOT Manassas - Manassas Area Headquarters
Tank Status: CURR IN USE
Active Federally Regualted UST: Y

TIER 2:
Name: VDOT, MANASSAS RESIDENCY - MANASSAS AREA HEADQUARTERS

**VDOT - MANASSAS RESIDENCY SHOP (Continued)** **U003988860**

| | |
|---|---|
| Address: | 10228 RESIDENCY ROAD |
| City,State,Zip: | MANASSAS, VA 20110 |
| Facility ID: | 5422440 |
| CAS Number: | Not reported |
| SIC Code: | Not reported |
| NAICS: | Not reported |
| Entered Chemical Name: | Magnesium Chloride Solution |
| Average Amt Code: | 35338.0 |
| Owner Name: | Not reported |
| Owner Phone: | Not reported |
| Contact Type: | Not reported |
| Contact Information: | Not reported |
| Filing Year: | Not reported |

| | |
|---|---|
| Name: | VDOT, MANASSAS RESIDENCY - MANASSAS AREA HEADQUARTERS |
| Address: | 10228 RESIDENCY ROAD |
| City,State,Zip: | MANASSAS, VA 20110 |
| Facility ID: | 5422440 |
| CAS Number: | 7647145 |
| SIC Code: | Not reported |
| NAICS: | Not reported |
| Entered Chemical Name: | Sodium Chloride |
| Average Amt Code: | 4000000.0 |
| Owner Name: | Not reported |
| Owner Phone: | Not reported |
| Contact Type: | Not reported |
| Contact Information: | Not reported |
| Filing Year: | Not reported |

| | |
|---|---|
| Name: | VDOT, MANASSAS RESIDENCY - MANASSAS AREA HEADQUARTERS |
| Address: | 10228 RESIDENCY ROAD |
| City,State,Zip: | MANASSAS, VA 20110 |
| Facility ID: | 5422440 |
| CAS Number: | 7647145 |
| SIC Code: | Not reported |
| NAICS: | Not reported |
| Entered Chemical Name: | Sodium Chloride (Brine) |
| Average Amt Code: | 150000.0 |
| Owner Name: | Not reported |
| Owner Phone: | Not reported |
| Contact Type: | Not reported |
| Contact Information: | Not reported |
| Filing Year: | Not reported |

| | |
|---|---|
| Name: | VDOT, MANASSAS RESIDENCY - MANASSAS AREA HEADQUARTERS |
| Address: | 10228 RESIDENCY ROAD |
| City,State,Zip: | MANASSAS, VA 20110 |
| Facility ID: | 5422440 |
| CAS Number: | 68512903 |
| SIC Code: | Not reported |
| NAICS: | Not reported |
| Entered Chemical Name: | Diesel Fuel |
| Average Amt Code: | 35294.0 |
| Owner Name: | Not reported |
| Owner Phone: | Not reported |
| Contact Type: | Not reported |
| Contact Information: | Not reported |

**VDOT - MANASSAS RESIDENCY SHOP (Continued)** **U003988860**

Filing Year: Not reported

Name: VDOT, MANASSAS RESIDENCY - MANASSAS AREA HEADQUARTERS
Address: 10228 RESIDENCY ROAD
City,State,Zip: MANASSAS, VA 20110
Facility ID: 5422440
CAS Number: 8006619
SIC Code: Not reported
NAICS: Not reported
Entered Chemical Name: Gasoline
Average Amt Code: 18618.0
Owner Name: Not reported
Owner Phone: Not reported
Contact Type: Not reported
Contact Information: Not reported
Filing Year: Not reported

Name: VDOT, MANASSAS RESIDENCY - MANASSAS AREA HEADQUARTERS
Address: 10228 RESIDENCY ROAD
City,State,Zip: MANASSAS, VA 20110
Facility ID: 6023165
CAS Number: 7647145
SIC Code: Not reported
NAICS: Not reported
Entered Chemical Name: Sodium Chloride (Brine)
Average Amt Code: 150000.0
Owner Name: Not reported
Owner Phone: Not reported
Contact Type: Not reported
Contact Information: Not reported
Filing Year: Not reported

Name: VDOT, MANASSAS RESIDENCY - MANASSAS AREA HEADQUARTERS
Address: 10228 RESIDENCY ROAD
City,State,Zip: MANASSAS, VA 20110
Facility ID: 6023165
CAS Number: 7647145
SIC Code: Not reported
NAICS: Not reported
Entered Chemical Name: Sodium Chloride
Average Amt Code: 4000000.0
Owner Name: Not reported
Owner Phone: Not reported
Contact Type: Not reported
Contact Information: Not reported
Filing Year: Not reported

Name: VDOT, MANASSAS RESIDENCY - MANASSAS AREA HEADQUARTERS
Address: 10228 RESIDENCY ROAD
City,State,Zip: MANASSAS, VA 20110
Facility ID: 6023165
CAS Number: Not reported
SIC Code: Not reported
NAICS: Not reported
Entered Chemical Name: Magnesium Chloride Solution
Average Amt Code: 35338.0
Owner Name: Not reported

**VDOT - MANASSAS RESIDENCY SHOP (Continued)** **U003988860**

| | |
|---|---|
| Owner Phone: | Not reported |
| Contact Type: | Not reported |
| Contact Information: | Not reported |
| Filing Year: | Not reported |

| | |
|---|---|
| Name: | VDOT, MANASSAS RESIDENCY - MANASSAS AREA HEADQUARTERS |
| Address: | 10228 RESIDENCY ROAD |
| City,State,Zip: | MANASSAS, VA 20110 |
| Facility ID: | 6023165 |
| CAS Number: | 8006619 |
| SIC Code: | Not reported |
| NAICS: | Not reported |
| Entered Chemical Name: | Gasoline |
| Average Amt Code: | 18618.0 |
| Owner Name: | Not reported |
| Owner Phone: | Not reported |
| Contact Type: | Not reported |
| Contact Information: | Not reported |
| Filing Year: | Not reported |

| | |
|---|---|
| Name: | VDOT, MANASSAS RESIDENCY - MANASSAS AREA HEADQUARTERS |
| Address: | 10228 RESIDENCY ROAD |
| City,State,Zip: | MANASSAS, VA 20110 |
| Facility ID: | 6023165 |
| CAS Number: | 68512903 |
| SIC Code: | Not reported |
| NAICS: | Not reported |
| Entered Chemical Name: | Diesel Fuel |
| Average Amt Code: | 35294.0 |
| Owner Name: | Not reported |
| Owner Phone: | Not reported |
| Contact Type: | Not reported |
| Contact Information: | Not reported |
| Filing Year: | Not reported |

| | |
|---|---|
| Name: | VDOT, MANASSAS RESIDENCY - MANASSAS AREA HEADQUARTERS |
| Address: | 10228 RESIDENCY ROAD |
| City,State,Zip: | MANASSAS, VA 20110 |
| Facility ID: | 5422440 |
| CAS Number: | Not reported |
| SIC Code: | Not reported |
| NAICS: | Not reported |
| Entered Chemical Name: | Magnesium Chloride Solution |
| Average Amt Code: | 35338 |
| Owner Name: | Not reported |
| Owner Phone: | Not reported |
| Contact Type: | Not reported |
| Contact Information: | Not reported |
| Filing Year: | Not reported |

| | |
|---|---|
| Name: | VDOT, MANASSAS RESIDENCY - MANASSAS AREA HEADQUARTERS |
| Address: | 10228 RESIDENCY ROAD |
| City,State,Zip: | MANASSAS, VA 20110 |
| Facility ID: | 5422440 |
| CAS Number: | 7647145 |
| SIC Code: | Not reported |
| NAICS: | Not reported |

**VDOT - MANASSAS RESIDENCY SHOP (Continued)** **U003988860**

Entered Chemical Name: Sodium Chloride
Average Amt Code: 4000000
Owner Name: Not reported
Owner Phone: Not reported
Contact Type: Not reported
Contact Information: Not reported
Filing Year: Not reported

Name: VDOT, MANASSAS RESIDENCY - MANASSAS AREA HEADQUARTERS
Address: 10228 RESIDENCY ROAD
City,State,Zip: MANASSAS, VA 20110
Facility ID: 5422440
CAS Number: 68512903
SIC Code: Not reported
NAICS: Not reported
Entered Chemical Name: Diesel Fuel
Average Amt Code: 35294
Owner Name: Not reported
Owner Phone: Not reported
Contact Type: Not reported
Contact Information: Not reported
Filing Year: Not reported

Name: VDOT, MANASSAS RESIDENCY - MANASSAS AREA HEADQUARTERS
Address: 10228 RESIDENCY ROAD
City,State,Zip: MANASSAS, VA 20110
Facility ID: 5422440
CAS Number: 7647145
SIC Code: Not reported
NAICS: Not reported
Entered Chemical Name: Sodium Chloride (Brine)
Average Amt Code: 150000
Owner Name: Not reported
Owner Phone: Not reported
Contact Type: Not reported
Contact Information: Not reported
Filing Year: Not reported

Name: VDOT, MANASSAS RESIDENCY - MANASSAS AREA HEADQUARTERS
Address: 10228 RESIDENCY ROAD
City,State,Zip: MANASSAS, VA 20110
Facility ID: 5422440
CAS Number: 8006619
SIC Code: Not reported
NAICS: Not reported
Entered Chemical Name: Gasoline
Average Amt Code: 18618
Owner Name: Not reported
Owner Phone: Not reported
Contact Type: Not reported
Contact Information: Not reported
Filing Year: Not reported

**N74** **VDOT - MANASSAS AREA HEADQUARTERS SHOP** **VA LTANKS** **S106850459**
**NW** **10228 RESIDENCY RD** **N/A**
**< 1/8** **MANASSAS, VA 22110**
**0.111 mi.**
**584 ft.** **Site 4 of 5 in cluster N**

**Actual:**
**210 ft.**

**Focus Map:**
**5**

LTANKS:

| | |
|---|---|
| Name: | VDOT - MANASSAS AREA HEADQUARTERS SHOP |
| Address: | 10228 RESIDENCY RD |
| City,State,Zip: | MANASSAS, VA 22110 |
| City,State,Zip: | MANASSAS, VA 22110 |
| Region: | NRO |
| CEDS Facility Id: | 200000096828 |
| **Case Status:** | **Closed** |
| Pollution Complaint #: | 19900438 |
| Reported: | 10/16/1989 |
| Case Closed Date: | 03/07/1994 |
| Program: | RP Lead |
| Federally Regulated UST (Y/N): | Y |
| Regulated Petroleum UST (1): | Y |
| Excluded UST (1): | N |
| Deferred UST (1): | N |
| Partially Deferred UST (1): | N |
| Exempt 1 UST (2): | N |
| Exempt 2 Heating Oil UST (2): | N |
| Small Heating Oil AST (2): | N |
| Regulated AST (3): | N |
| Unregulated AST (3): | N |
| Other Y/N: | N |
| Unknown Y/N: | N |
| Other Description: | Not reported |
| Heating Oil Category: | Not reported |
| Changed By: | Not reported |
| Changed Date: | Not reported |
| Inserted By: | Not reported |
| Inserted Date: | Not reported |
| Verified By: | Not reported |
| Verify Date: | Not reported |
| Reference Point: | Not reported |
| RST ID: | Not reported |
| RST Poll Complaint Number: | Not reported |
| Des First Name: | Not reported |
| Des Last Name: | Not reported |
| RST Rec Code: | Not reported |
| RST Priority: | Not reported |
| RST Fed Reg Tank: | Not reported |
| RST Responsibility Ind: | Not reported |
| RST Suspect Confirm Ind: | Not reported |
| Facility Location: | Not reported |
| FIC Description: | Not reported |
| Latitude: | Not reported |
| Longitude: | Not reported |

**N75** **VDOT MANASSAS** **RCRA-VSQG** **1000459849**
**NW** **10228 RESIDENCY RD** **FINDS** **VAD988189700**
**< 1/8** **MANASSAS, VA 20110** **ECHO**
**0.111 mi.** **NJ MANIFEST**
**584 ft.** **Site 5 of 5 in cluster N**

**Actual:** **210 ft.**

**Focus Map:** **5**

RCRA Listings:

| | |
|---|---|
| Date Form Received by Agency: | 19910114 |
| Handler Name: | Vdot Manassas |
| Handler Address: | 10228 Residency Rd |
| Handler City,State,Zip: | MANASSAS, VA 20110 |
| EPA ID: | VAD988189700 |
| Contact Name: | JOHN KEVIN MEADE |
| Contact Address: | 10228 RESIDENCY RD |
| Contact City,State,Zip: | MANASSAS, VA 20110 |
| Contact Telephone: | 703-366-2000 |
| Contact Fax: | Not reported |
| Contact Email: | Not reported |
| Contact Title: | Not reported |
| EPA Region: | 03 |
| Land Type: | State |
| Federal Waste Generator Description: | Conditionally Exempt Small Quantity Generator |
| Non-Notifier: | Not reported |
| Biennial Report Cycle: | Not reported |
| Accessibility: | Not reported |
| Active Site Indicator: | Handler Activities |
| State District Owner: | Va |
| State District: | 4 |
| Mailing Address: | 10228 RESIDENCY RD |
| Mailing City,State,Zip: | MANASSAS, VA 20110 |
| Owner Name: | Vdot |
| Owner Type: | State |
| Operator Name: | Opername |
| Operator Type: | State |
| Short-Term Generator Activity: | No |
| Importer Activity: | No |
| Mixed Waste Generator: | No |
| Transporter Activity: | No |
| Transfer Facility Activity: | No |
| Recycler Activity with Storage: | No |
| Small Quantity On-Site Burner Exemption: | No |
| Smelting Melting and Refining Furnace Exemption: | No |
| Underground Injection Control: | No |
| Off-Site Waste Receipt: | No |
| Universal Waste Indicator: | No |
| Universal Waste Destination Facility: | No |
| Federal Universal Waste: | No |
| Active Site State-Reg Handler: | --- |
| Federal Facility Indicator: | Not reported |
| Hazardous Secondary Material Indicator: | N |
| Sub-Part K Indicator: | Not reported |
| 2018 GPRA Permit Baseline: | Not on the Baseline |
| 2018 GPRA Renewals Baseline: | Not on the Baseline |
| 202 GPRA Corrective Action Baseline: | No |
| Subject to Corrective Action Universe: | No |
| Non-TSDFs Where RCRA CA has Been Imposed Universe: | No |
| Corrective Action Priority Ranking: | No NCAPS ranking |
| Environmental Control Indicator: | No |
| Institutional Control Indicator: | No |

**VDOT MANASSAS (Continued)** **1000459849**

| | |
|---|---|
| Human Exposure Controls Indicator: | N/A |
| Groundwater Controls Indicator: | N/A |
| Significant Non-Complier Universe: | No |
| Unaddressed Significant Non-Complier Universe: | No |
| Addressed Significant Non-Complier Universe: | No |
| Significant Non-Complier With a Compliance Schedule Universe: | No |
| Financial Assurance Required: | Not reported |
| Handler Date of Last Change: | 20000915 |
| Recognized Trader-Importer: | No |
| Recognized Trader-Exporter: | No |
| Importer of Spent Lead Acid Batteries: | No |
| Exporter of Spent Lead Acid Batteries: | No |
| Recycler Activity Without Storage: | No |
| Manifest Broker: | No |
| Sub-Part P Indicator: | No |

Hazardous Waste Summary:

| | |
|---|---|
| Waste Code: | D001 |
| Waste Description: | Ignitable Waste |
| Waste Code: | D006 |
| Waste Description: | Cadmium |
| Waste Code: | D008 |
| Waste Description: | Lead |
| Waste Code: | D018 |
| Waste Description: | Benzene |
| Waste Code: | D039 |
| Waste Description: | Tetrachloroethylene |
| Waste Code: | D040 |
| Waste Description: | Trichloroethylene |

Handler - Owner Operator:

| | |
|---|---|
| Owner/Operator Indicator: | Operator |
| Owner/Operator Name: OPERNAME | |
| Legal Status: | State |
| Date Became Current: | Not reported |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | OPERSTREET |
| Owner/Operator City,State,Zip: | OPERCITY, AK 99999 |
| Owner/Operator Telephone: | 215-555-1212 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |
| Owner/Operator Indicator: | Owner |
| Owner/Operator Name: VDOT | |
| Legal Status: | State |
| Date Became Current: | Not reported |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | 7949 GAINSFORD CT |
| Owner/Operator City,State,Zip: | BRISTOW, VA 22013 |

**VDOT MANASSAS (Continued)** **1000459849**

Owner/Operator Telephone: 703-366-1971
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 19910114
Handler Name: VDOT MANASSAS
Federal Waste Generator Description: Conditionally Exempt Small Quantity Generator
State District Owner: Va
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 488111
NAICS Description: AIR TRAFFIC CONTROL

Has the Facility Received Notices of Violations:
Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported

**VDOT MANASSAS (Continued)** **1000459849**

| | |
|---|---|
| Proposed Amount: | Not reported |
| Final Monetary Amount: | Not reported |
| Paid Amount: | Not reported |
| Final Count: | Not reported |
| Final Amount: | Not reported |
| | |
| Found Violation: | Yes |
| Agency Which Determined Violation: | State |
| Violation Short Description: | Generators - General |
| Date Violation was Determined: | 19900119 |
| Actual Return to Compliance Date: | 19980109 |
| Return to Compliance Qualifier: | Observed |
| Violation Responsible Agency: | State |
| Scheduled Compliance Date: | Not reported |
| Enforcement Identifier: | 002 |
| Date of Enforcement Action: | 19900216 |
| Enforcement Responsible Agency: | State |
| Enforcement Docket Number: | Not reported |
| Enforcement Attorney: | Not reported |
| Corrective Action Component: | No |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | WRITTEN INFORMAL |
| Enforcement Responsible Person: | Not reported |
| Enforcement Responsible Sub-Organization: | Not reported |
| SEP Sequence Number: | Not reported |
| SEP Expenditure Amount: | Not reported |
| SEP Scheduled Completion Date: | Not reported |
| SEP Actual Date: | Not reported |
| SEP Defaulted Date: | Not reported |
| SEP Type: | Not reported |
| SEP Type Description: | Not reported |
| Proposed Amount: | Not reported |
| Final Monetary Amount: | Not reported |
| Paid Amount: | Not reported |
| Final Count: | Not reported |
| Final Amount: | Not reported |
| | |
| Found Violation: | No |
| Agency Which Determined Violation: | Not reported |
| Violation Short Description: | Not reported |
| Date Violation was Determined: | Not reported |
| Actual Return to Compliance Date: | Not reported |
| Return to Compliance Qualifier: | Not reported |
| Violation Responsible Agency: | Not reported |
| Scheduled Compliance Date: | Not reported |
| Enforcement Identifier: | Not reported |
| Date of Enforcement Action: | Not reported |
| Enforcement Responsible Agency: | Not reported |
| Enforcement Docket Number: | Not reported |
| Enforcement Attorney: | Not reported |

**VDOT MANASSAS (Continued)** **1000459849**

Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported

**VDOT MANASSAS (Continued)** **1000459849**

| | |
|---|---|
| Proposed Amount: | Not reported |
| Final Monetary Amount: | Not reported |
| Paid Amount: | Not reported |
| Final Count: | Not reported |
| Final Amount: | Not reported |
| | |
| Found Violation: | No |
| Agency Which Determined Violation: | Not reported |
| Violation Short Description: | Not reported |
| Date Violation was Determined: | Not reported |
| Actual Return to Compliance Date: | Not reported |
| Return to Compliance Qualifier: | Not reported |
| Violation Responsible Agency: | Not reported |
| Scheduled Compliance Date: | Not reported |
| Enforcement Identifier: | Not reported |
| Date of Enforcement Action: | Not reported |
| Enforcement Responsible Agency: | Not reported |
| Enforcement Docket Number: | Not reported |
| Enforcement Attorney: | Not reported |
| Corrective Action Component: | Not reported |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | Not reported |
| Enforcement Responsible Person: | Not reported |
| Enforcement Responsible Sub-Organization: | Not reported |
| SEP Sequence Number: | Not reported |
| SEP Expenditure Amount: | Not reported |
| SEP Scheduled Completion Date: | Not reported |
| SEP Actual Date: | Not reported |
| SEP Defaulted Date: | Not reported |
| SEP Type: | Not reported |
| SEP Type Description: | Not reported |
| Proposed Amount: | Not reported |
| Final Monetary Amount: | Not reported |
| Paid Amount: | Not reported |
| Final Count: | Not reported |
| Final Amount: | Not reported |
| | |
| Found Violation: | Yes |
| Agency Which Determined Violation: | State |
| Violation Short Description: | Generators - General |
| Date Violation was Determined: | 19940726 |
| Actual Return to Compliance Date: | 19980106 |
| Return to Compliance Qualifier: | Observed |
| Violation Responsible Agency: | State |
| Scheduled Compliance Date: | Not reported |
| Enforcement Identifier: | 000 |
| Date of Enforcement Action: | 19940914 |
| Enforcement Responsible Agency: | State |
| Enforcement Docket Number: | Not reported |
| Enforcement Attorney: | Not reported |

**VDOT MANASSAS (Continued)** **1000459849**

| | |
|---|---|
| Corrective Action Component: | No |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | WRITTEN INFORMAL |
| Enforcement Responsible Person: | Not reported |
| Enforcement Responsible Sub-Organization: | RM |
| SEP Sequence Number: | Not reported |
| SEP Expenditure Amount: | Not reported |
| SEP Scheduled Completion Date: | Not reported |
| SEP Actual Date: | Not reported |
| SEP Defaulted Date: | Not reported |
| SEP Type: | Not reported |
| SEP Type Description: | Not reported |
| Proposed Amount: | Not reported |
| Final Monetary Amount: | Not reported |
| Paid Amount: | Not reported |
| Final Count: | Not reported |
| Final Amount: | Not reported |

| | |
|---|---|
| Found Violation: | Yes |
| Agency Which Determined Violation: | State |
| Violation Short Description: | Generators - General |
| Date Violation was Determined: | 19940726 |
| Actual Return to Compliance Date: | 19980106 |
| Return to Compliance Qualifier: | Observed |
| Violation Responsible Agency: | State |
| Scheduled Compliance Date: | Not reported |
| Enforcement Identifier: | 000 |
| Date of Enforcement Action: | 19940914 |
| Enforcement Responsible Agency: | State |
| Enforcement Docket Number: | Not reported |
| Enforcement Attorney: | Not reported |
| Corrective Action Component: | No |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | WRITTEN INFORMAL |
| Enforcement Responsible Person: | Not reported |
| Enforcement Responsible Sub-Organization: | RM |
| SEP Sequence Number: | Not reported |
| SEP Expenditure Amount: | Not reported |
| SEP Scheduled Completion Date: | Not reported |
| SEP Actual Date: | Not reported |
| SEP Defaulted Date: | Not reported |
| SEP Type: | Not reported |
| SEP Type Description: | Not reported |

**VDOT MANASSAS (Continued)** **1000459849**

| | |
|---|---|
| Proposed Amount: | Not reported |
| Final Monetary Amount: | Not reported |
| Paid Amount: | Not reported |
| Final Count: | Not reported |
| Final Amount: | Not reported |
| | |
| Found Violation: | Yes |
| Agency Which Determined Violation: | State |
| Violation Short Description: | Generators - General |
| Date Violation was Determined: | 19900119 |
| Actual Return to Compliance Date: | 19980109 |
| Return to Compliance Qualifier: | Observed |
| Violation Responsible Agency: | State |
| Scheduled Compliance Date: | Not reported |
| Enforcement Identifier: | 001 |
| Date of Enforcement Action: | 19910201 |
| Enforcement Responsible Agency: | State |
| Enforcement Docket Number: | Not reported |
| Enforcement Attorney: | Not reported |
| Corrective Action Component: | No |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | INITIAL 3008(A) COMPLIANCE |
| Enforcement Responsible Person: | Not reported |
| Enforcement Responsible Sub-Organization: | Not reported |
| SEP Sequence Number: | Not reported |
| SEP Expenditure Amount: | Not reported |
| SEP Scheduled Completion Date: | Not reported |
| SEP Actual Date: | Not reported |
| SEP Defaulted Date: | Not reported |
| SEP Type: | Not reported |
| SEP Type Description: | Not reported |
| Proposed Amount: | Not reported |
| Final Monetary Amount: | Not reported |
| Paid Amount: | Not reported |
| Final Count: | Not reported |
| Final Amount: | Not reported |

Evaluation Action Summary:

| | |
|---|---|
| Evaluation Date: | 19970306 |
| Evaluation Responsible Agency: | State |
| Found Violation: | No |
| Evaluation Type Description: | COMPLIANCE EVALUATION INSPECTION |
| Evaluation Responsible Person Identifier: | Not reported |
| Evaluation Responsible Sub-Organization: | Not reported |
| Actual Return to Compliance Date: | Not reported |
| Scheduled Compliance Date: | Not reported |
| Date of Request: | Not reported |
| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |

**VDOT MANASSAS (Continued)** **1000459849**

| | |
|---|---|
| Evaluation Date: | 19900119 |
| Evaluation Responsible Agency: | State |
| Found Violation: | Yes |
| Evaluation Type Description: | COMPLIANCE EVALUATION INSPECTION |
| Evaluation Responsible Person Identifier: | Not reported |
| Evaluation Responsible Sub-Organization: | Not reported |
| Actual Return to Compliance Date: | 19980109 |
| Scheduled Compliance Date: | Not reported |
| Date of Request: | Not reported |
| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |

| | |
|---|---|
| Evaluation Date: | 19910201 |
| Evaluation Responsible Agency: | State |
| Found Violation: | No |
| Evaluation Type Description: | NON-FINANCIAL RECORD REVIEW |
| Evaluation Responsible Person Identifier: | Not reported |
| Evaluation Responsible Sub-Organization: | Not reported |
| Actual Return to Compliance Date: | Not reported |
| Scheduled Compliance Date: | Not reported |
| Date of Request: | Not reported |
| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |

| | |
|---|---|
| Evaluation Date: | 19960711 |
| Evaluation Responsible Agency: | State |
| Found Violation: | No |
| Evaluation Type Description: | COMPLIANCE EVALUATION INSPECTION |
| Evaluation Responsible Person Identifier: | Not reported |
| Evaluation Responsible Sub-Organization: | Not reported |
| Actual Return to Compliance Date: | Not reported |
| Scheduled Compliance Date: | Not reported |
| Date of Request: | Not reported |
| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |

| | |
|---|---|
| Evaluation Date: | 19950905 |
| Evaluation Responsible Agency: | State |
| Found Violation: | No |
| Evaluation Type Description: | COMPLIANCE EVALUATION INSPECTION |
| Evaluation Responsible Person Identifier: | Not reported |
| Evaluation Responsible Sub-Organization: | Not reported |
| Actual Return to Compliance Date: | Not reported |
| Scheduled Compliance Date: | Not reported |
| Date of Request: | Not reported |
| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |

| | |
|---|---|
| Evaluation Date: | 19980106 |
| Evaluation Responsible Agency: | State |
| Found Violation: | Yes |
| Evaluation Type Description: | NON-FINANCIAL RECORD REVIEW |
| Evaluation Responsible Person Identifier: | R4SMR |

**VDOT MANASSAS (Continued)** **1000459849**

| | |
|---|---|
| Evaluation Responsible Sub-Organization: | NR |
| Actual Return to Compliance Date: | 19980106 |
| Scheduled Compliance Date: | Not reported |
| Date of Request: | Not reported |
| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |
| | |
| Evaluation Date: | 19940726 |
| Evaluation Responsible Agency: | State |
| Found Violation: | Yes |
| Evaluation Type Description: | COMPLIANCE EVALUATION INSPECTION |
| Evaluation Responsible Person Identifier: | Not reported |
| Evaluation Responsible Sub-Organization: | RM |
| Actual Return to Compliance Date: | 19980106 |
| Scheduled Compliance Date: | Not reported |
| Date of Request: | Not reported |
| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |
| | |
| Evaluation Date: | 19900119 |
| Evaluation Responsible Agency: | State |
| Found Violation: | Yes |
| Evaluation Type Description: | COMPLIANCE EVALUATION INSPECTION |
| Evaluation Responsible Person Identifier: | Not reported |
| Evaluation Responsible Sub-Organization: | Not reported |
| Actual Return to Compliance Date: | 19980109 |
| Scheduled Compliance Date: | Not reported |
| Date of Request: | Not reported |
| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |

FINDS:
Registry ID: 110005240275

Click Here for FRS Facility Detail Report:

**VDOT MANASSAS (Continued)** **1000459849**

Environmental Interest/Information System:

The Resource Conservation and Recovery Act Information System (RCRAInfo) is EPA's comprehensive information system in support of the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. It tracks many types of information about generators, transporters, treaters, storers, and disposers of hazardous waste.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

| | |
|---|---|
| Envid: | 1000459849 |
| Registry ID: | 110005240275 |
| DFR URL: | http://echo.epa.gov/detailed-facility-report?fid=110005240275 |
| Name: | VDOT MANASSAS |
| Address: | 10228 RESIDENCY RD |
| City,State,Zip: | MANASSAS, VA 20110 |

NJ MANIFEST:

| | |
|---|---|
| EPA ID: | VAD988189700 |
| Name: | VDOT |
| Address: | 10228 RESIDENCY RD |
| City,State,Zip: | MANASSAS, VA 20109 |
| County: | Not reported |
| Mailing Address: | 10228 RESIDENCY RD |
| Mailing City,State,Zip: | MANASSAS 20109 |
| Telephone: | 7033662000 |
| Emergency Telephone: | Not reported |
| Contact: | Not reported |
| Comments: | Not reported |
| SIC Code: | Not reported |
| County: | 00 |
| Municipal: | 00 |
| Previous EPAID: | Not reported |
| Generator Flag: | X |
| Transporter Flag: | Not reported |
| TSDF Flag: | Not reported |
| Name Change: | Not reported |
| Date Change: | Not reported |

Manifest Data:

| | |
|---|---|
| EPA ID: | VAD988189700 |
| Manifest Number: | NJA5034798 |
| Date Shipped: | 03/16/2004 |
| TSDF EPA ID: | NJD002182897 |
| Transporter EPA ID: | TXR000050930 |
| Transporter 2 EPA ID: | Not reported |
| Transporter 3 EPA ID: | Not reported |
| Transporter 4 EPA ID: | Not reported |
| Transporter 5 EPA ID: | Not reported |
| Transporter 6 EPA ID: | Not reported |
| Transporter 7 EPA ID: | Not reported |
| Transporter 8 EPA ID: | Not reported |
| Transporter 9 EPA ID: | Not reported |
| Transporter 10 EPA ID: | Not reported |
| Date Trans1 Transported Waste: | 03/16/2004 |

**VDOT MANASSAS (Continued)** **1000459849**

| | |
|---|---|
| Date Trans2 Transported Waste: | Not reported |
| Date Trans3 Transported Waste: | Not reported |
| Date Trans4 Transported Waste: | Not reported |
| Date Trans5 Transported Waste: | Not reported |
| Date Trans6 Transported Waste: | Not reported |
| Date Trans7 Transported Waste: | Not reported |
| Date Trans8 Transported Waste: | Not reported |
| Date Trans9 Transported Waste: | Not reported |
| Date Trans10 Transported Waste: | Not reported |
| Date TSDF Received Waste: | 03/23/2004 |
| TSDF EPA Facility Name: | Not reported |
| QTY Units: | Not reported |
| Transporter SEQ ID: | Not reported |
| Transporter-1 Date: | Not reported |
| Waste SEQ ID: | Not reported |
| Waste Type Code 2: | Not reported |
| Waste Type Code 3: | Not reported |
| Waste Type Code 4: | Not reported |
| Waste Type Code 5: | Not reported |
| Waste Type Code 6: | Not reported |
| Date Accepted: | Not reported |
| Manifest Discrepancy Type: | Not reported |
| Data Entry Number: | 04060421 |
| Was Load Rejected: | N |
| Reason Load Was Rejected: | Not reported |

| | |
|---|---|
| EPA ID: | VAD988189700 |
| Manifest Number: | NJA5039547 |
| Date Shipped: | 06/04/2004 |
| TSDF EPA ID: | NJD002182897 |
| Transporter EPA ID: | TXR000050930 |
| Transporter 2 EPA ID: | Not reported |
| Transporter 3 EPA ID: | Not reported |
| Transporter 4 EPA ID: | Not reported |
| Transporter 5 EPA ID: | Not reported |
| Transporter 6 EPA ID: | Not reported |
| Transporter 7 EPA ID: | Not reported |
| Transporter 8 EPA ID: | Not reported |
| Transporter 9 EPA ID: | Not reported |
| Transporter 10 EPA ID: | Not reported |
| Date Trans1 Transported Waste: | 06/04/2004 |
| Date Trans2 Transported Waste: | Not reported |
| Date Trans3 Transported Waste: | Not reported |
| Date Trans4 Transported Waste: | Not reported |
| Date Trans5 Transported Waste: | Not reported |
| Date Trans6 Transported Waste: | Not reported |
| Date Trans7 Transported Waste: | Not reported |
| Date Trans8 Transported Waste: | Not reported |
| Date Trans9 Transported Waste: | Not reported |
| Date Trans10 Transported Waste: | Not reported |
| Date TSDF Received Waste: | 06/08/2004 |
| TSDF EPA Facility Name: | Not reported |
| QTY Units: | Not reported |
| Transporter SEQ ID: | Not reported |
| Transporter-1 Date: | Not reported |
| Waste SEQ ID: | Not reported |
| Waste Type Code 2: | Not reported |

**VDOT MANASSAS (Continued)** **1000459849**

| | |
|---|---|
| Waste Type Code 3: | Not reported |
| Waste Type Code 4: | Not reported |
| Waste Type Code 5: | Not reported |
| Waste Type Code 6: | Not reported |
| Date Accepted: | Not reported |
| Manifest Discrepancy Type: | Not reported |
| Data Entry Number: | 06240421 |
| Was Load Rejected: | N |
| Reason Load Was Rejected: | Not reported |

---

**O76** **GARCIA WOOD FINISHING** **E MANIFEST** **1027827872**
**NW** **10591 REDOUBT RD** **N/A**
**1/8-1/4** **MANASSAS, VA 20110**
**0.139 mi.**
**733 ft.** **Site 1 of 2 in cluster O**

**Actual:**
**213 ft.**

**Focus Map:**
**2**

E MANIFEST:

| | |
|---|---|
| Manifest Tracking Number: | 007983317SKS |
| Last Updated Date: | 20210922 |
| Shipped Date: | 20210804 |
| Received Date: | 20210902 |
| Manifest Status: | Signed |
| Submission Type: | DataImage5Copy |
| Origin Type: | Service |
| Generator EPA ID: | CESQG |
| Generator Name: | Garcia Wood Finishing |
| Generator Mail Street Number: | Not reported |
| Generator Mail Street 1: | 10591 REDOUBT RD |
| Generator Mail Street 2: | Not reported |
| Generator Mail City: | MANASSAS |
| Generator Mail State: | VA |
| Generator Mail Zip: | 20110 |
| Generator Location Street Number: | Not reported |
| Generator Location Street 1: | 10591 Redoubt Rd |
| Generator Location Street 2: | Not reported |
| Generator Location City: | Manassas |
| Generator Location Zip: | 20110 |
| Generator Location State: | VA |
| Generator Contact Company Name: | Garcia Wood Finishing |
| Designated Facility EPA ID: | KYD053348108 |
| Designated Facility Name: | Safety-Kleen Systems, Inc. |
| Designated Facility Mail Street Number: | Not reported |
| Designated Facility Mail Street 1: | Not reported |
| Designated Facility Mail Street 2: | 3700 LaGrange Road |
| Designated Facility Mail City: | Smithfield |
| Designated Facility Mail Zip: | 40068 |
| Designated Facility Mail State: | KY |
| Designated Facility Location Street Number: | Not reported |
| Designated Facility Location Street 1: | 3700 LaGrange Road |
| Designated Facility Location Street 2: | Not reported |
| Designated Facility Location City: | Smithfield |
| Designated Facility Location Zip: | 40068 |
| Designated Facility Location State: | KY |
| Designated Facility Contact Company Name: | Not reported |
| Manifest Residue Indicator: | N |
| Rejection Indicator: | N |

**GARCIA WOOD FINISHING (Continued)** **1027827872**

Federal Waste:

| | |
|---|---|
| Manifest Tracking Number: | 007983317SKS |
| Waste Line Number: | 1 |
| Federal Waste Code: | D001 |
| Federal Waste: | IGNITABLE WASTE |

| | |
|---|---|
| Manifest Tracking Number: | 007983317SKS |
| Waste Line Number: | 1 |
| Federal Waste Code: | D005 |
| Federal Waste: | BARIUM |

| | |
|---|---|
| Manifest Tracking Number: | 007983317SKS |
| Waste Line Number: | 1 |
| Federal Waste Code: | D006 |
| Federal Waste: | CADMIUM |

| | |
|---|---|
| Manifest Tracking Number: | 007983317SKS |
| Waste Line Number: | 1 |
| Federal Waste Code: | D007 |
| Federal Waste: | CHROMIUM |

| | |
|---|---|
| Manifest Tracking Number: | 007983317SKS |
| Waste Line Number: | 1 |
| Federal Waste Code: | D008 |
| Federal Waste: | LEAD |

| | |
|---|---|
| Manifest Tracking Number: | 007983317SKS |
| Waste Line Number: | 1 |
| Federal Waste Code: | D035 |
| Federal Waste: | METHYL ETHYL KETONE |

| | |
|---|---|
| Manifest Tracking Number: | 007983317SKS |
| Waste Line Number: | 1 |
| Federal Waste Code: | F003 |
| Federal Waste: | THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES. |

| | |
|---|---|
| Manifest Tracking Number: | 007983317SKS |
| Waste Line Number: | 1 |
| Federal Waste Code: | F005 |
| Federal Waste: | THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES. |

**GARCIA WOOD FINISHING (Continued)** **1027827872**

Transporter:
Manifest Tracking Number: 007983317SKS
Transporter Line Number: 1
Transporter EPA ID: TXR000081205
Transporter Name: Safety-Kleen Systems, Inc.

Manifest Tracking Number: 007983317SKS
Transporter Line Number: 2
Transporter EPA ID: MAD039322250
Transporter Name: Clean Harbors Environmental Services, Inc.

Manifest Tracking Number: 007983317SKS
Transporter Line Number: 3
Transporter EPA ID: NJD071629976
Transporter Name: Sj Transportation Co Inc

Waste Line:
Manifest Tracking Number: 007983317SKS
Waste Line Number: 1
U.S. DOT Hazardous Indicator: Y
U.S. DOT ID Number: UN1263
U.S. DOT Description: Un1263, Waste Un1263, Waste Paint, 3, Pg Ii, 3, Pg Ii
Non-Hazardous Waste Description: Not reported
Number of Containers: 2
Container Type Code: DM
Container Type Description: Metal drums, barrels, kegs
Waste Quantity: 700
Quantity Unit of Measure Code: P
Quantity Unit of Measure Description: Pounds
Waste Quantity, in Tons: 0.35
Acute Waste Quantity, in Tons: 0
Non-Acute Waste Quantity, in Tons: 0.35
Waste Quantity, in Kilograms: 317.4605
Acute Waste Quantity, in Kilograms: 0
Non-Acute Waste Quantity, in Kilorgrams: 317.4605
Management Method Code: H061
Management Method Description: FUEL BLENDING
Waste Residue Indicator: N
Quantity Discrepancy Indicator: N
Waste Type Discrepancy Indicator: N
Waste Density: Not reported
Waste Density Unit of Measure Code: Not reported
Waste Density Unit of Measure Description: Not reported
Form Code: Not reported
Form Code Description: Not reported
Source Code: Not reported
Source Code Description: Not reported
Waste Minimization Code: Not reported
Waste Minimization Code Description: Not reported
Consent Number: Not reported
EPA Waste Indicator: Y

**77**
**ENE**
**1/8-1/4**
**0.143 mi.**
**755 ft.**

**MCC1**
**10880 AIRMAN AVENUE**
**MANASSAS, VA 20110**

**UST FINDER** **1028802054**
**N/A**

**Actual:**
**217 ft.**

**Focus Map:**
**6**

UST FINDER:

| | |
|---|---|
| Object ID: | 519538 |
| Facility ID: | VA3043452 |
| Name: | MCC1 |
| Address: | 10880 AIRMAN AVENUE |
| City,State,Zip: | MANASSAS, VA 20110 |
| Address Match Type: | PointAddress |
| Open USTs: | 4 |
| Closed USTs: | 0 |
| TOS USTs: | 0 |
| Population 1500ft: | 37 |
| Private Wells 1500ft: | 8 |
| Within 100yr Floodplain: | No |
| Land Use: | Non-Developed |
| Within SPA: | No |
| SPA PWS Facility ID: | Not reported |
| SPA Water Type: | Not reported |
| SPA Facility Type: | Not reported |
| SPA HUC12: | Not reported |
| Within WHPA: | No |
| WHPA PWS Facility ID: | Not reported |
| WHPA Water Type: | Not reported |
| WHPA Facility Type: | Not reported |
| WHPA HUC12: | Not reported |
| Facility Status: | Open UST(s) |
| Date of Last Inspection: | Not reported |
| EPA Region: | 3 |
| Tribe: | Not reported |
| Coordinate Source: | Geocode |
| X Coord: | -77.5005434999999 |
| Y Coord: | 38.716569 |
| Latitude: | 38.716569 |
| Longitude: | -77.5005435 |

UST FINDER:

| | |
|---|---|
| Object ID: | 2153039 |
| Facility ID: | VA3043452 |
| Tank ID: | VA3043452_UST1 |
| Tank Status: | Open |
| Installation Date: | 2017/07/21 15:59:59+00 |
| Removal Date: | Not reported |
| Tank Capacity: | 50000 |
| Substances: | DIESEL: LOW SULFUR |
| Tank Wall Type: | Double |

| | |
|---|---|
| Object ID: | 2153040 |
| Facility ID: | VA3043452 |
| Tank ID: | VA3043452_UST 4 |
| Tank Status: | Open |
| Installation Date: | 2017/07/21 15:59:59+00 |
| Removal Date: | Not reported |
| Tank Capacity: | 50000 |
| Substances: | DIESEL: LOW SULFUR |
| Tank Wall Type: | Double |

**MCC1 (Continued)** **1028802054**

| | |
|---|---|
| Object ID: | 2153041 |
| Facility ID: | VA3043452 |
| Tank ID: | VA3043452_UST 3 |
| Tank Status: | Open |
| Installation Date: | 2017/07/21 15:59:59+00 |
| Removal Date: | Not reported |
| Tank Capacity: | 50000 |
| Substances: | DIESEL: LOW SULFUR |
| Tank Wall Type: | Double |

| | |
|---|---|
| Object ID: | 2153042 |
| Facility ID: | VA3043452 |
| Tank ID: | VA3043452_UST 2 |
| Tank Status: | Open |
| Installation Date: | 2017/07/21 15:59:59+00 |
| Removal Date: | Not reported |
| Tank Capacity: | 50000 |
| Substances: | DIESEL: LOW SULFUR |
| Tank Wall Type: | Double |

---

**O78** **EARLS AUTO BODY** **RCRA-VSQG** **1005418844**
**NW** **10597 REDOUBT RD** **US AIRS** **VAR000503227**
**1/8-1/4** **MANASSAS, VA 20110** **FINDS**
**0.151 mi.** **ECHO**
**798 ft.** **Site 2 of 2 in cluster O**

**Actual:** **214 ft.**

**Focus Map:** **2**

RCRA Listings:

| | |
|---|---|
| Date Form Received by Agency: | 20141118 |
| Handler Name: | Earls Auto Body |
| Handler Address: | 10597 Redoubt Rd |
| Handler City,State,Zip: | MANASSAS, VA 20110 |
| EPA ID: | VAR000503227 |
| Contact Name: | EARL MUDDIMAN JR |
| Contact Address: | 10597 REDOUBT RD |
| Contact City,State,Zip: | MANASSAS, VA 20110 |
| Contact Telephone: | 703-331-5903 |
| Contact Fax: | Not reported |
| Contact Email: | EARLSAUTOBODYINC@AOL.COM |
| Contact Title: | TREASURER |
| EPA Region: | 03 |
| Land Type: | Private |
| Federal Waste Generator Description: | Conditionally Exempt Small Quantity Generator |
| Non-Notifier: | Not reported |
| Biennial Report Cycle: | Not reported |
| Accessibility: | Not reported |
| Active Site Indicator: | Handler Activities |
| State District Owner: | Va |
| State District: | 4 |
| Mailing Address: | 10597 REDOUBT RD |
| Mailing City,State,Zip: | MANASSAS, VA 20110 |
| Owner Name: | Earl Muddiman |
| Owner Type: | Private |
| Operator Name: | Earl Muddiman |
| Operator Type: | Private |
| Short-Term Generator Activity: | No |
| Importer Activity: | No |
| Mixed Waste Generator: | No |

**EARLS AUTO BODY (Continued)** **1005418844**

| | |
|---|---|
| Transporter Activity: | No |
| Transfer Facility Activity: | No |
| Recycler Activity with Storage: | No |
| Small Quantity On-Site Burner Exemption: | No |
| Smelting Melting and Refining Furnace Exemption: | No |
| Underground Injection Control: | No |
| Off-Site Waste Receipt: | No |
| Universal Waste Indicator: | No |
| Universal Waste Destination Facility: | No |
| Federal Universal Waste: | No |
| Active Site State-Reg Handler: | --- |
| Federal Facility Indicator: | Not reported |
| Hazardous Secondary Material Indicator: | N |
| Sub-Part K Indicator: | Not reported |
| 2018 GPRA Permit Baseline: | Not on the Baseline |
| 2018 GPRA Renewals Baseline: | Not on the Baseline |
| 202 GPRA Corrective Action Baseline: | No |
| Subject to Corrective Action Universe: | No |
| Non-TSDFs Where RCRA CA has Been Imposed Universe: | No |
| Corrective Action Priority Ranking: | No NCAPS ranking |
| Environmental Control Indicator: | No |
| Institutional Control Indicator: | No |
| Human Exposure Controls Indicator: | N/A |
| Groundwater Controls Indicator: | N/A |
| Significant Non-Complier Universe: | No |
| Unaddressed Significant Non-Complier Universe: | No |
| Addressed Significant Non-Complier Universe: | No |
| Significant Non-Complier With a Compliance Schedule Universe: | No |
| Financial Assurance Required: | Not reported |
| Handler Date of Last Change: | 20150414 |
| Recognized Trader-Importer: | No |
| Recognized Trader-Exporter: | No |
| Importer of Spent Lead Acid Batteries: | No |
| Exporter of Spent Lead Acid Batteries: | No |
| Recycler Activity Without Storage: | No |
| Manifest Broker: | No |
| Sub-Part P Indicator: | No |

Hazardous Waste Summary:

| | |
|---|---|
| Waste Code: | D001 |
| Waste Description: | Ignitable Waste |
| Waste Code: | F003 |
| Waste Description: | The Following Spent Nonhalogenated Solvents: Xylene, Acetone, Ethyl Acetate, Ethyl Benzene, Ethyl Ether, Methyl Isobutyl Ketone, N-Butyl Alcohol, Cyclohexanone, And Methanol; All Spent Solvent Mixtures/Blends Containing, Before Use, Only The Above Spent Nonhalogenated Solvents; And All Spent Solvent Mixtures/Blends Containing, Before Use, One Or More Of The Above Nonhalogenated Solvents, And A Total Of Ten Percent Or More (By Volume) Of One Or More Of Those Solvents Listed In F001, F002, F004, And F005; And Still Bottoms From The Recovery Of These Spent Solvents And Spent Solvent Mixtures. |
| Waste Code: | F005 |
| Waste Description: | The Following Spent Nonhalogenated Solvents: Toluene, Methyl Ethyl |

**EARLS AUTO BODY (Continued)** **1005418844**

Ketone, Carbon Disulfide, Isobutanol, Pyridine, Benzene, 2-Ethoxyethanol, And 2-Nitropropane; All Spent Solvent Mixtures/Blends Containing, Before Use, A Total Of Ten Percent Or More (By Volume) Of One Or More Of The Above Nonhalogenated Solvents Or Those Solvents Listed In F001, F002, Or F004; And Still Bottoms From The Recovery Of These Spent Solvents And Spent Solvent Mixtures.

Handler - Owner Operator:

| | |
|---|---|
| Owner/Operator Indicator: | Owner |
| Owner/Operator Name: | EARL MUDDIMAN |
| Legal Status: | Private |
| Date Became Current: | Not reported |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | 10597 REDOUBT RD |
| Owner/Operator City,State,Zip: | MANASSAS, VA 20110 |
| Owner/Operator Telephone: | 703-331-5903 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |

| | |
|---|---|
| Owner/Operator Indicator: | Owner |
| Owner/Operator Name: | CATHY ROSSBERG |
| Legal Status: | Private |
| Date Became Current: | 20000101 |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | 10597 REDOUBT ROAD |
| Owner/Operator City,State,Zip: | MANASSAS, VA 20110 |
| Owner/Operator Telephone: | 703-331-5903 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |

| | |
|---|---|
| Owner/Operator Indicator: | Owner |
| Owner/Operator Name: | EARL MUDDIMAN |
| Legal Status: | Private |
| Date Became Current: | Not reported |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | 10597 REDOUBT RD |
| Owner/Operator City,State,Zip: | MANASSAS, VA 20110 |
| Owner/Operator Telephone: | 703-331-5903 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |

| | |
|---|---|
| Owner/Operator Indicator: | Operator |
| Owner/Operator Name: | EARL MUDDIMAN |
| Legal Status: | Private |
| Date Became Current: | 20000101 |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | Not reported |
| Owner/Operator City,State,Zip: | Not reported |
| Owner/Operator Telephone: | Not reported |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |

**EARLS AUTO BODY (Continued)** **1005418844**

Historic Generators:

| | | |
|---|---|---|
| Receive Date: | | 20020307 |
| Handler Name: | EARLS AUTO BODY | |
| Federal Waste Generator Description: | | Small Quantity Generator |
| State District Owner: | | Va |
| Large Quantity Handler of Universal Waste: | | No |
| Recognized Trader Importer: | | No |
| Recognized Trader Exporter: | | No |
| Spent Lead Acid Battery Importer: | | No |
| Spent Lead Acid Battery Exporter: | | No |
| Current Record: | | No |
| Non Storage Recycler Activity: | | Not reported |
| Electronic Manifest Broker: | | Not reported |

| | | |
|---|---|---|
| Receive Date: | | 20141118 |
| Handler Name: | EARLS AUTO BODY | |
| Federal Waste Generator Description: | | Conditionally Exempt Small Quantity Generator |
| State District Owner: | | Va |
| Large Quantity Handler of Universal Waste: | | No |
| Recognized Trader Importer: | | No |
| Recognized Trader Exporter: | | No |
| Spent Lead Acid Battery Importer: | | No |
| Spent Lead Acid Battery Exporter: | | No |
| Current Record: | | Yes |
| Non Storage Recycler Activity: | | Not reported |
| Electronic Manifest Broker: | | Not reported |

List of NAICS Codes and Descriptions:

| | |
|---|---|
| NAICS Code: | 811121 |
| NAICS Description: | AUTOMOTIVE BODY, PAINT, AND INTERIOR REPAIR AND MAINTENANCE |

Has the Facility Received Notices of Violations:

| | |
|---|---|
| Found Violation: | No |
| Agency Which Determined Violation: | Not reported |
| Violation Short Description: | Not reported |
| Date Violation was Determined: | Not reported |
| Actual Return to Compliance Date: | Not reported |
| Return to Compliance Qualifier: | Not reported |
| Violation Responsible Agency: | Not reported |
| Scheduled Compliance Date: | Not reported |
| Enforcement Identifier: | Not reported |
| Date of Enforcement Action: | Not reported |
| Enforcement Responsible Agency: | Not reported |
| Enforcement Docket Number: | Not reported |
| Enforcement Attorney: | Not reported |
| Corrective Action Component: | Not reported |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | Not reported |
| Enforcement Responsible Person: | Not reported |

**EARLS AUTO BODY (Continued)** **1005418844**

Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Evaluation Action Summary:
Evaluation Date: 20141028
Evaluation Responsible Agency: State
Found Violation: No
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Evaluation Responsible Person Identifier: R4AMZ
Evaluation Responsible Sub-Organization: NR
Actual Return to Compliance Date: Not reported
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

US AIRS MINOR:
Envid: 1005418844
Region Code: 03
Programmatic ID: AIR VA0000005115300843
Facility Registry ID: 110012195034
D and B Number: Not reported
Primary SIC Code: Not reported
NAICS Code: 811121
Default Air Classification Code: MIN
Facility Type of Ownership Code: NON
Air CMS Category Code: Not reported
HPV Status: Not reported

FINDS:
Registry ID: 110012195034

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
The Air Facility System (AFS) contains compliance and permit data for stationary sources of air pollution regulated by the EPA, state, and local air pollution agencies.
ICIS-Air (AIR) AIR is the modernization of the Air Facility System (AFS) into the Integrated Compliance Information System (ICIS). AIR contains enforcement, compliance, and permit data for stationary sources of air pollution regulated by the EPA, State, and Local air pollution agencies.

**EARLS AUTO BODY (Continued)** **1005418844**

The Resource Conservation and Recovery Act Information System (RCRAInfo) is EPA's comprehensive information system in support of the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. It tracks many types of information about generators, transporters, treaters, storers, and disposers of hazardous waste.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

| | |
|---|---|
| Envid: | 1005418844 |
| Registry ID: | 110012195034 |
| DFR URL: | http://echo.epa.gov/detailed-facility-report?fid=110012195034 |
| Name: | EARLS AUTO BODY |
| Address: | 10597 REDOUBT RD |
| City,State,Zip: | MANASSAS, VA 20110 |

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**79**
**West**
**1/8-1/4**
**0.154 mi.**
**812 ft.**

**Actual:**
**194 ft.**

**Focus Map:**
**4**

**CORFU CONTRACTORS** **RCRA NonGen / NLR** **1007210911**
**10599 RESIDENCY ROAD** **VAR000506774**
**MANASSAS, VA 20110**

RCRA Listings:

| | |
|---|---|
| Date Form Received by Agency: | 20170216 |
| Handler Name: | Corfu Contractors |
| Handler Address: | Residency Road |
| Handler City,State,Zip: | MANASSAS, VA 20110 |
| EPA ID: | VAR000506774 |
| Contact Name: | NICK KOLLAS |
| Contact Address: | Not reported |
| Contact City,State,Zip: | Not reported |
| Contact Telephone: | 703-698-7887 |
| Contact Fax: | Not reported |
| Contact Email: | Not reported |
| Contact Title: | Not reported |
| EPA Region: | 03 |
| Land Type: | Private |
| Federal Waste Generator Description: | Not a generator, verified |
| Non-Notifier: | Not reported |
| Biennial Report Cycle: | Not reported |
| Accessibility: | Not reported |
| Active Site Indicator: | Not reported |
| State District Owner: | Va |
| State District: | 4 |
| Mailing Address: | BOWLING GREEN DR. |
| Mailing City,State,Zip: | VIENNA, VA 22180 |
| Owner Name: | Nick Kollas |
| Owner Type: | Private |
| Operator Name: | Nick Kollas |
| Operator Type: | Private |
| Short-Term Generator Activity: | No |
| Importer Activity: | No |
| Mixed Waste Generator: | No |
| Transporter Activity: | No |
| Transfer Facility Activity: | No |
| Recycler Activity with Storage: | No |

**CORFU CONTRACTORS (Continued)** **1007210911**

| | |
|---|---|
| Small Quantity On-Site Burner Exemption: | No |
| Smelting Melting and Refining Furnace Exemption: | No |
| Underground Injection Control: | No |
| Off-Site Waste Receipt: | No |
| Universal Waste Indicator: | No |
| Universal Waste Destination Facility: | No |
| Federal Universal Waste: | No |
| Active Site State-Reg Handler: | --- |
| Federal Facility Indicator: | Not reported |
| Hazardous Secondary Material Indicator: | N |
| Sub-Part K Indicator: | Not reported |
| 2018 GPRA Permit Baseline: | Not on the Baseline |
| 2018 GPRA Renewals Baseline: | Not on the Baseline |
| 202 GPRA Corrective Action Baseline: | No |
| Subject to Corrective Action Universe: | No |
| Non-TSDFs Where RCRA CA has Been Imposed Universe: | No |
| Corrective Action Priority Ranking: | No NCAPS ranking |
| Environmental Control Indicator: | No |
| Institutional Control Indicator: | No |
| Human Exposure Controls Indicator: | N/A |
| Groundwater Controls Indicator: | N/A |
| Significant Non-Complier Universe: | No |
| Unaddressed Significant Non-Complier Universe: | No |
| Addressed Significant Non-Complier Universe: | No |
| Significant Non-Complier With a Compliance Schedule Universe: | No |
| Financial Assurance Required: | Not reported |
| Handler Date of Last Change: | 20170217 |
| Recognized Trader-Importer: | No |
| Recognized Trader-Exporter: | No |
| Importer of Spent Lead Acid Batteries: | No |
| Exporter of Spent Lead Acid Batteries: | No |
| Recycler Activity Without Storage: | No |
| Manifest Broker: | No |
| Sub-Part P Indicator: | No |

Hazardous Waste Summary:

| | |
|---|---|
| Waste Code: | D008 |
| Waste Description: | Lead |

Handler - Owner Operator:

| | |
|---|---|
| Owner/Operator Indicator: | Owner |
| Owner/Operator Name: NICK KOLLAS | |
| Legal Status: | Private |
| Date Became Current: | 19910510 |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | Not reported |
| Owner/Operator City,State,Zip: | Not reported |
| Owner/Operator Telephone: | Not reported |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |
| | |
| Owner/Operator Indicator: | Operator |
| Owner/Operator Name: NICK KOLLAS | |
| Legal Status: | Private |

**CORFU CONTRACTORS (Continued)** **1007210911**

Date Became Current: 19910510
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: NICK KOLLAS
Legal Status: Private
Date Became Current: 19910510
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: NICK KOLLAS
Legal Status: Private
Date Became Current: 19910510
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20170216
Handler Name: CORFU CONTRACTORS
Federal Waste Generator Description: Not a generator, verified
State District Owner: Va
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20040204
Handler Name: CORFU CONTRACTORS
Federal Waste Generator Description: Small Quantity Generator
State District Owner: Va
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No

**CORFU CONTRACTORS (Continued)** **1007210911**

Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 23832
NAICS Description: PAINTING AND WALL COVERING CONTRACTORS

Has the Facility Received Notices of Violations:
Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Evaluation Action Summary:
Evaluation Date: 20170216
Evaluation Responsible Agency: State
Found Violation: No
Evaluation Type Description: FOCUSED COMPLIANCE INSPECTION
Evaluation Responsible Person Identifier: R4AMZ
Evaluation Responsible Sub-Organization: NR
Actual Return to Compliance Date: Not reported
Scheduled Compliance Date: Not reported
Date of Request: Not reported

**CORFU CONTRACTORS (Continued)** **1007210911**

Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

---

**80**
**ENE**
**1/8-1/4**
**0.188 mi.**
**992 ft.**

**MCC1** **VA UST** **U004275450**
**10880 AIRMAN AVENUE** **N/A**
**MANASSAS, VA 20110**

**Actual:**
**220 ft.**

**Focus Map:**
**6**

Facility:
Name: MCC1
Address: 10880 AIRMAN AVENUE
City,State,Zip: MANASSAS, VA 20110
Facility Id: 3043452
Facility Type: COMMERCIAL
CEDS Facility ID: 2.00001E+11

Owner:
Owner Id: 49730
Owner Name: Abteen Ventures Limited Liability Company
Owner Address: 1212 New York Ave NW Ste 1000
Owner Address2: Not reported
Owner City, State, Zip: Washington, DC 20005
Owner Type: COMMERCIAL
Number of Active AST: 0
Number of Active UST: 4
Number of Inactive AST: 0
Number of Inactive UST: 0

UST:
Facility ID: 3043452
Federally Regulated: Yes

Tank Number: UST 2
Tank Capacity: 50000
Tank Contents: DIESEL LOW SULFUR
**Tank Status:** **CURR IN USE**
Tank Type: UST

Tank Material:
Install Date: 7/21/2017
Tank Materials: Bare Steel No
Tank Materials: Cath Protect Steel No
Tank Materials: Epoxy Steel Not reported
Tank Materials: Fiberglass No
Tank Materials: Concrete Not reported
Tank Materials: Composite No
Tank Materials: Double Walled Yes
Tank Materials: Lined Interior No
Tank Materials: Excav Liner No
Tank Materials: Insulated Tank Jacket No
Tank Materials: Repaired No
Tank Materials: Unknown No
Tank Materials: Other No
Tank Materials: Other Note Not reported

**MCC1 (Continued)** **U004275450**

Release Detection:

| | |
|---|---|
| Tank Release Detection: Leak Deferred | No |
| Tank Release Detection: Manual Gauge | No |
| Tank Release Detection: Auto Gauge | Yes |
| Tank Release Detection:Tank Tightness | No |
| Tank Release Detection: Vapor Monitor | No |
| Tank Release Detection: Inventory | No |
| Tank Release Detection: Stat Invent Recon | No |
| Tank Release Detection: Spill Install | Yes |
| Tank Release Detection: Overfill Install | Not reported |
| Tank Release Detection: Groundwater | No |
| Tank Release Detection: Int Sec Containment | No |
| Tank Release Detection: Int Double Walled | Yes |
| Tank Release Detection: Other Method | No |
| Tank Release Detection: Other Note | Not reported |
| Pipe Release Detection: Leak Deferred | No |
| Pipe Release Detection: Autoleak | Yes |
| Pipe Release Detection: Line Tightness | No |
| Pipe Release Detection: Stat Invent Recon | No |
| Pipe Release Detection: Groundwater | No |
| Pipe Release Detection: Int Sec Containment | No |
| Pipe Release Det: Interior Double Walled | Yes |
| Pipe Release Detection: Other Method | No |
| Pipe Release Detection: Other Note | Not reported |

| | |
|---|---|
| Pipe Type: | PRESSURE |
| Pipe Materials: Bare Steel | No |
| Pipe Materials: Galvanized Steel | No |
| Pipe Materials: Copper | No |
| Pipe Materials: Fiberglass | No |
| Pipe Materials: Cath Protect | No |
| Pipe Materials: Double Walled | Yes |
| Pipe Materials: Sec Containment | Yes |
| Pipe Materials: Repaired | No |
| Pipe Materials: Unknown | No |
| Pipe Materials: Other | No |
| Pipe Materials: Other Note | Not reported |

| | |
|---|---|
| Facility ID: | 3043452 |
| Federally Regulated: | Yes |

| | |
|---|---|
| Tank Number: | UST 3 |
| Tank Capacity: | 50000 |
| Tank Contents: | DIESEL LOW SULFUR |
| **Tank Status:** | **CURR IN USE** |
| Tank Type: | UST |

Tank Material:

| | |
|---|---|
| Install Date: | 7/21/2017 |
| Tank Materials: Bare Steel | No |
| Tank Materials: Cath Protect Steel | No |
| Tank Materials: Epoxy Steel | Not reported |
| Tank Materials: Fiberglass | No |
| Tank Materials: Concrete | Not reported |
| Tank Materials: Composite | No |
| Tank Materials: Double Walled | Yes |

**MCC1 (Continued)** **U004275450**

| | |
|---|---|
| Tank Materials: Lined Interior | No |
| Tank Materials: Excav Liner | No |
| Tank Materials: Insulated Tank Jacket | No |
| Tank Materials: Repaired | No |
| Tank Materials: Unknown | No |
| Tank Materials: Other | No |
| Tank Materials: Other Note | Not reported |

Release Detection:

| | |
|---|---|
| Tank Release Detection: Leak Deferred | No |
| Tank Release Detection: Manual Gauge | No |
| Tank Release Detection: Auto Gauge | Yes |
| Tank Release Detection:Tank Tightness | No |
| Tank Release Detection: Vapor Monitor | No |
| Tank Release Detection: Inventory | No |
| Tank Release Detection: Stat Invent Recon | No |
| Tank Release Detection: Spill Install | Yes |
| Tank Release Detection: Overfill Install | Not reported |
| Tank Release Detection: Groundwater | No |
| Tank Release Detection: Int Sec Containment | No |
| Tank Release Detection: Int Double Walled | Yes |
| Tank Release Detection: Other Method | No |
| Tank Release Detection: Other Note | Not reported |
| Pipe Release Detection: Leak Deferred | No |
| Pipe Release Detection: Autoleak | Yes |
| Pipe Release Detection: Line Tightness | No |
| Pipe Release Detection: Stat Invent Recon | No |
| Pipe Release Detection: Groundwater | No |
| Pipe Release Detection: Int Sec Containment | No |
| Pipe Release Det: Interior Double Walled | Yes |
| Pipe Release Detection: Other Method | No |
| Pipe Release Detection: Other Note | Not reported |

| | |
|---|---|
| Pipe Type: | PRESSURE |
| Pipe Materials: Bare Steel | No |
| Pipe Materials: Galvanized Steel | No |
| Pipe Materials: Copper | No |
| Pipe Materials: Fiberglass | No |
| Pipe Materials: Cath Protect | No |
| Pipe Materials: Double Walled | No |
| Pipe Materials: Sec Containment | No |
| Pipe Materials: Repaired | No |
| Pipe Materials: Unknown | No |
| Pipe Materials: Other | No |
| Pipe Materials: Other Note | Not reported |

| | |
|---|---|
| Facility ID: | 3043452 |
| Federally Regulated: | Yes |
| Tank Number: | UST 4 |
| Tank Capacity: | 50000 |
| Tank Contents: | DIESEL LOW SULFUR |
| **Tank Status:** | **CURR IN USE** |
| Tank Type: | UST |

Tank Material:

**MCC1 (Continued)** **U004275450**

| | |
|---|---|
| Install Date: | 7/21/2017 |
| Tank Materials: Bare Steel | No |
| Tank Materials: Cath Protect Steel | No |
| Tank Materials: Epoxy Steel | Not reported |
| Tank Materials: Fiberglass | No |
| Tank Materials: Concrete | Not reported |
| Tank Materials: Composite | No |
| Tank Materials: Double Walled | Yes |
| Tank Materials: Lined Interior | No |
| Tank Materials: Excav Liner | No |
| Tank Materials: Insulated Tank Jacket | No |
| Tank Materials: Repaired | No |
| Tank Materials: Unknown | No |
| Tank Materials: Other | No |
| Tank Materials: Other Note | Not reported |

Release Detection:

| | |
|---|---|
| Tank Release Detection: Leak Deferred | No |
| Tank Release Detection: Manual Gauge | No |
| Tank Release Detection: Auto Gauge | Yes |
| Tank Release Detection:Tank Tightness | No |
| Tank Release Detection: Vapor Monitor | No |
| Tank Release Detection: Inventory | No |
| Tank Release Detection: Stat Invent Recon | No |
| Tank Release Detection: Spill Install | Yes |
| Tank Release Detection: Overfill Install | Not reported |
| Tank Release Detection: Groundwater | No |
| Tank Release Detection: Int Sec Containment | No |
| Tank Release Detection: Int Double Walled | Yes |
| Tank Release Detection: Other Method | No |
| Tank Release Detection: Other Note | Not reported |
| Pipe Release Detection: Leak Deferred | No |
| Pipe Release Detection: Autoleak | Yes |
| Pipe Release Detection: Line Tightness | No |
| Pipe Release Detection: Stat Invent Recon | No |
| Pipe Release Detection: Groundwater | No |
| Pipe Release Detection: Int Sec Containment | No |
| Pipe Release Det: Interior Double Walled | Yes |
| Pipe Release Detection: Other Method | No |
| Pipe Release Detection: Other Note | Not reported |

| | |
|---|---|
| Pipe Type: | PRESSURE |
| Pipe Materials: Bare Steel | No |
| Pipe Materials: Galvanized Steel | No |
| Pipe Materials: Copper | No |
| Pipe Materials: Fiberglass | No |
| Pipe Materials: Cath Protect | No |
| Pipe Materials: Double Walled | Yes |
| Pipe Materials: Sec Containment | Yes |
| Pipe Materials: Repaired | No |
| Pipe Materials: Unknown | No |
| Pipe Materials: Other | No |
| Pipe Materials: Other Note | Not reported |

| | |
|---|---|
| Facility ID: | 3043452 |
| Federally Regulated: | Yes |

**MCC1 (Continued)** **U004275450**

| | |
|---|---|
| Tank Number: | UST1 |
| Tank Capacity: | 50000 |
| Tank Contents: | DIESEL LOW SULFUR |
| **Tank Status:** | **CURR IN USE** |
| Tank Type: | UST |

Tank Material:

| | |
|---|---|
| Install Date: | 7/21/2017 |
| Tank Materials: Bare Steel | No |
| Tank Materials: Cath Protect Steel | No |
| Tank Materials: Epoxy Steel | Not reported |
| Tank Materials: Fiberglass | No |
| Tank Materials: Concrete | Not reported |
| Tank Materials: Composite | No |
| Tank Materials: Double Walled | Yes |
| Tank Materials: Lined Interior | No |
| Tank Materials: Excav Liner | No |
| Tank Materials: Insulated Tank Jacket | No |
| Tank Materials: Repaired | No |
| Tank Materials: Unknown | No |
| Tank Materials: Other | No |
| Tank Materials: Other Note | Not reported |

Release Detection:

| | |
|---|---|
| Tank Release Detection: Leak Deferred | No |
| Tank Release Detection: Manual Gauge | No |
| Tank Release Detection: Auto Gauge | Yes |
| Tank Release Detection:Tank Tightness | No |
| Tank Release Detection: Vapor Monitor | No |
| Tank Release Detection: Inventory | No |
| Tank Release Detection: Stat Invent Recon | No |
| Tank Release Detection: Spill Install | Yes |
| Tank Release Detection: Overfill Install | Not reported |
| Tank Release Detection: Groundwater | No |
| Tank Release Detection: Int Sec Containment | No |
| Tank Release Detection: Int Double Walled | Yes |
| Tank Release Detection: Other Method | No |
| Tank Release Detection: Other Note | Not reported |
| Pipe Release Detection: Leak Deferred | No |
| Pipe Release Detection: Autoleak | Not reported |
| Pipe Release Detection: Line Tightness | No |
| Pipe Release Detection: Stat Invent Recon | No |
| Pipe Release Detection: Groundwater | No |
| Pipe Release Detection: Int Sec Containment | Yes |
| Pipe Release Det: Interior Double Walled | No |
| Pipe Release Detection: Other Method | No |
| Pipe Release Detection: Other Note | Not reported |

| | |
|---|---|
| Pipe Type: | PRESSURE |
| Pipe Materials: Bare Steel | No |
| Pipe Materials: Galvanized Steel | No |
| Pipe Materials: Copper | No |
| Pipe Materials: Fiberglass | No |
| Pipe Materials: Cath Protect | No |
| Pipe Materials: Double Walled | Yes |
| Pipe Materials: Sec Containment | Yes |
| Pipe Materials: Repaired | No |

**MCC1 (Continued)** **U004275450**

| | |
|---|---|
| Pipe Materials: Unknown | No |
| Pipe Materials: Other | No |
| Pipe Materials: Other Note | Not reported |

---

**81**
**ESE**
**1/8-1/4**
**0.248 mi.**
**1310 ft.**

**WILLIG ELEANOR RESIDENCE**
**9620 HEATHER GREEN DR**
**MANASSAS, VA 20112**

**VA LTANKS** **S106905995**
**N/A**

**Actual:**
**208 ft.**

**Focus Map:**
**6**

LTANKS:

| | |
|---|---|
| Name: | WILLIG ELEANOR RESIDENCE |
| Address: | 9620 HEATHER GREEN DR |
| City,State,Zip: | MANASSAS, VA 20112 |
| City,State,Zip: | MANASSAS, VA 20112 |
| Region: | NRO |
| CEDS Facility Id: | 200000220784 |
| **Case Status:** | **Closed** |
| Pollution Complaint #: | 20053247 |
| Reported: | 04/04/2005 |
| Case Closed Date: | 08/09/2005 |
| Program: | RP Lead |
| Federally Regulated UST (Y/N): | N |
| Regulated Petroleum UST (1): | N |
| Excluded UST (1): | N |
| Deferred UST (1): | N |
| Partially Deferred UST (1): | N |
| Exempt 1 UST (2): | N |
| Exempt 2 Heating Oil UST (2): | Y |
| Small Heating Oil AST (2): | N |
| Regulated AST (3): | N |
| Unregulated AST (3): | N |
| Other Y/N: | N |
| Unknown Y/N: | N |
| Other Description: | Not reported |
| Heating Oil Category: | Category 2 |
| Changed By: | Not reported |
| Changed Date: | Not reported |
| Inserted By: | Not reported |
| Inserted Date: | Not reported |
| Verified By: | Not reported |
| Verify Date: | Not reported |
| Reference Point: | Not reported |
| RST ID: | Not reported |
| RST Poll Complaint Number: | Not reported |
| Des First Name: | Not reported |
| Des Last Name: | Not reported |
| RST Rec Code: | Not reported |
| RST Priority: | Not reported |
| RST Fed Reg Tank: | Not reported |
| RST Responsibility Ind: | Not reported |
| RST Suspect Confirm Ind: | Not reported |
| Facility Location: | Not reported |
| FIC Description: | Not reported |
| Latitude: | Not reported |
| Longitude: | Not reported |

**82**
**West**
**1/4-1/2**
**0.276 mi.**
**1455 ft.**

**LONG VERA RESIDENCE**
**11726 BRISTOW RD**
**BRISTOW, VA 20136**

**VA LTANKS** **S105174512** **N/A**

**Actual:**
**218 ft.**

**Focus Map:**
**8**

LTANKS:

| | |
|---|---|
| Name: | LONG VERA RESIDENCE |
| Address: | 11726 BRISTOW RD |
| City,State,Zip: | BRISTOW, VA 20136 |
| City,State,Zip: | BRISTOW, VA 20136 |
| Region: | NRO |
| CEDS Facility Id: | 200000204654 |
| **Case Status:** | **Closed** |
| Pollution Complaint #: | 20023078 |
| Reported: | 10/12/2001 |
| Case Closed Date: | 10/05/2006 |
| Program: | RP Lead |
| Federally Regulated UST (Y/N): | N |
| Regulated Petroleum UST (1): | N |
| Excluded UST (1): | N |
| Deferred UST (1): | N |
| Partially Deferred UST (1): | N |
| Exempt 1 UST (2): | N |
| Exempt 2 Heating Oil UST (2): | N |
| Small Heating Oil AST (2): | Y |
| Regulated AST (3): | N |
| Unregulated AST (3): | N |
| Other Y/N: | N |
| Unknown Y/N: | N |
| Other Description: | Not reported |
| Heating Oil Category: | Category 3 |
| Changed By: | Not reported |
| Changed Date: | Not reported |
| Inserted By: | Not reported |
| Inserted Date: | Not reported |
| Verified By: | Not reported |
| Verify Date: | Not reported |
| Reference Point: | Not reported |
| RST ID: | Not reported |
| RST Poll Complaint Number: | Not reported |
| Des First Name: | Not reported |
| Des Last Name: | Not reported |
| RST Rec Code: | Not reported |
| RST Priority: | Not reported |
| RST Fed Reg Tank: | Not reported |
| RST Responsibility Ind: | Not reported |
| RST Suspect Confirm Ind: | Not reported |
| Facility Location: | Not reported |
| FIC Description: | Not reported |
| Latitude: | Not reported |
| Longitude: | Not reported |

**83**
**NW**
**1/4-1/2**
**0.287 mi.**
**1514 ft.**

**LILLAIM AND ASSOCIATES JOINT VENTURE PROPERTY**
**10126 10130 10134 AND 10172 RESIDENCY RD**
**MANASSAS, VA 20110**

**VA LTANKS** | **S129124636** / **N/A**

**Actual:**
**225 ft.**

**Focus Map:**
**2**

LTANKS:

| | |
|---|---|
| Name: | LILLAIM AND ASSOCIATES JOINT VENTURE PROPERTY |
| Address: | 10126 10130 10134 AND 10172 RESIDENCY RD |
| City,State,Zip: | MANASSAS, VA 20110 |
| City,State,Zip: | MANASSAS, VA 20110 |
| Region: | NRO |
| CEDS Facility Id: | 200000895012 |
| **Case Status:** | **Closed** |
| Pollution Complaint #: | 20223169 |
| Reported: | 05/27/2022 |
| Case Closed Date: | 08/03/2022 |
| Program: | RP Lead |
| Federally Regulated UST (Y/N): | N |
| Regulated Petroleum UST (1): | N |
| Excluded UST (1): | N |
| Deferred UST (1): | N |
| Partially Deferred UST (1): | N |
| Exempt 1 UST (2): | N |
| Exempt 2 Heating Oil UST (2): | Y |
| Small Heating Oil AST (2): | N |
| Regulated AST (3): | N |
| Unregulated AST (3): | N |
| Other Y/N: | N |
| Unknown Y/N: | N |
| Other Description: | Not reported |
| Heating Oil Category: | NFA |
| Changed By: | Not reported |
| Changed Date: | Not reported |
| Inserted By: | Not reported |
| Inserted Date: | Not reported |
| Verified By: | Not reported |
| Verify Date: | Not reported |
| Reference Point: | Not reported |
| RST ID: | Not reported |
| RST Poll Complaint Number: | Not reported |
| Des First Name: | Not reported |
| Des Last Name: | Not reported |
| RST Rec Code: | Not reported |
| RST Priority: | Not reported |
| RST Fed Reg Tank: | Not reported |
| RST Responsibility Ind: | Not reported |
| RST Suspect Confirm Ind: | Not reported |
| Facility Location: | Not reported |
| FIC Description: | Not reported |
| Latitude: | Not reported |
| Longitude: | Not reported |

**84**
**ESE**
**1/4-1/2**
**0.291 mi.**
**1536 ft.**

**BALLANO NICHOLAS RESIDENCE**
**9617 HEATHER GREEN DR**
**MANASSAS, VA 20112**

**VA LTANKS** **S106850268**
**N/A**

**Actual:**
**207 ft.**

**Focus Map:**
**6**

LTANKS:

| | |
|---|---|
| Name: | BALLANO NICHOLAS RESIDENCE |
| Address: | 9617 HEATHER GREEN DR |
| City,State,Zip: | MANASSAS, VA 20112 |
| City,State,Zip: | MANASSAS, VA 20112 |
| Region: | NRO |
| CEDS Facility Id: | 200000218922 |
| **Case Status:** | **Closed** |
| Pollution Complaint #: | 20053181 |
| Reported: | 12/23/2004 |
| Case Closed Date: | 08/09/2006 |
| Program: | RP Lead |
| Federally Regulated UST (Y/N): | N |
| Regulated Petroleum UST (1): | N |
| Excluded UST (1): | N |
| Deferred UST (1): | N |
| Partially Deferred UST (1): | N |
| Exempt 1 UST (2): | N |
| Exempt 2 Heating Oil UST (2): | Y |
| Small Heating Oil AST (2): | N |
| Regulated AST (3): | N |
| Unregulated AST (3): | N |
| Other Y/N: | N |
| Unknown Y/N: | N |
| Other Description: | Not reported |
| Heating Oil Category: | Category 3 |
| Changed By: | Not reported |
| Changed Date: | Not reported |
| Inserted By: | Not reported |
| Inserted Date: | Not reported |
| Verified By: | Not reported |
| Verify Date: | Not reported |
| Reference Point: | Not reported |
| RST ID: | Not reported |
| RST Poll Complaint Number: | Not reported |
| Des First Name: | Not reported |
| Des Last Name: | Not reported |
| RST Rec Code: | Not reported |
| RST Priority: | Not reported |
| RST Fed Reg Tank: | Not reported |
| RST Responsibility Ind: | Not reported |
| RST Suspect Confirm Ind: | Not reported |
| Facility Location: | Not reported |
| FIC Description: | Not reported |
| Latitude: | Not reported |
| Longitude: | Not reported |

**P85** **WARES VAN AND STORAGE** **UST FINDER RELEASE** **1029128692**
**NW** **10904 CAROLINA DR** **N/A**
**1/4-1/2** **MANASSAS, VA 22110**
**0.313 mi.**
**1654 ft.** **Site 1 of 2 in cluster P**

**Actual:** **213 ft.**

**Focus Map:** **2**

UST FINDER RELEASE:

| | |
|---|---|
| Object ID: | 418119 |
| Facility ID: | Not reported |
| Lust ID: | VA19993162 |
| Name: | WARES VAN AND STORAGE |
| Address: | 10904 CAROLINA DR |
| City,State,Zip: | MANASSAS, VA 22110 |
| Address Match Type: | StreetAddress |
| Reported Date: | 1998/11/23 15:59:59+00 |
| Status: | No Further Action |
| Substance: | Not reported |
| Population within 1500ft: | 0 |
| Domestic Wells within 1500ft: | 0 |
| Land Use: | Non-Developed |
| Within SPA: | No |
| SPA PWS Facility ID: | Not reported |
| SPA Water Type: | Not reported |
| SPA Facility Type: | Not reported |
| SPA HUC12: | Not reported |
| Within WHPA: | No |
| WHPA PWS Facility ID: | Not reported |
| WHPA Water Type: | Not reported |
| WHPA Facility Type: | Not reported |
| WHPA HUC12: | Not reported |
| Within 100yr Floodplain: | No |
| Tribe: | Not reported |
| EPA Region: | 3 |
| NFA Letter 1: | Not reported |
| NFA Letter 2: | Not reported |
| NFA Letter 3: | Not reported |
| NFA Letter 4: | Not reported |
| Closed With Residual Contaminate: | Not reported |
| Coordinate Source: | Geocode |
| X Coord: | -77.52008 |
| Y Coord: | 38.7381600000001 |
| Latitude: | 38.73816 |
| Longitude: | -77.5200799999999 |

---

**P86** **WARES VAN AND STORAGE** **VA LTANKS** **S105987766**
**NW** **10904 CAROLINA DR** **N/A**
**1/4-1/2** **MANASSAS, VA 22110**
**0.313 mi.**
**1654 ft.** **Site 2 of 2 in cluster P**

**Actual:** **213 ft.**

**Focus Map:** **2**

LTANKS:

| | |
|---|---|
| Name: | WARES VAN AND STORAGE |
| Address: | 10904 CAROLINA DR |
| City,State,Zip: | MANASSAS, VA 22110 |
| City,State,Zip: | MANASSAS, VA 22110 |
| Region: | NRO |
| CEDS Facility Id: | 200000097430 |
| **Case Status:** | **Closed** |
| Pollution Complaint #: | 19993162 |
| Reported: | 11/23/1998 |

**WARES VAN AND STORAGE (Continued)** **S105987766**

| | |
|---|---|
| Case Closed Date: | 05/18/1999 |
| Program: | RP Lead |
| Federally Regulated UST (Y/N): | Y |
| Regulated Petroleum UST (1): | Y |
| Excluded UST (1): | N |
| Deferred UST (1): | N |
| Partially Deferred UST (1): | N |
| Exempt 1 UST (2): | N |
| Exempt 2 Heating Oil UST (2): | N |
| Small Heating Oil AST (2): | N |
| Regulated AST (3): | N |
| Unregulated AST (3): | N |
| Other Y/N: | N |
| Unknown Y/N: | N |
| Other Description: | Not reported |
| Heating Oil Category: | Not reported |
| Changed By: | Not reported |
| Changed Date: | Not reported |
| Inserted By: | Not reported |
| Inserted Date: | Not reported |
| Verified By: | Not reported |
| Verify Date: | Not reported |
| Reference Point: | Not reported |
| RST ID: | Not reported |
| RST Poll Complaint Number: | Not reported |
| Des First Name: | Not reported |
| Des Last Name: | Not reported |
| RST Rec Code: | Not reported |
| RST Priority: | Not reported |
| RST Fed Reg Tank: | Not reported |
| RST Responsibility Ind: | Not reported |
| RST Suspect Confirm Ind: | Not reported |
| Facility Location: | Not reported |
| FIC Description: | Not reported |
| Latitude: | Not reported |
| Longitude: | Not reported |

---

**Q87** **CITY OF MANASSAS POWER PLANT** **VA LUST** **S104407045**
**NE** **9898 GODWIN DRIVE** **VA TIER 2** **N/A**
**1/4-1/2** **PRINCE WILLIAM, VA 20110**
**0.425 mi.**
**2245 ft.** **Site 1 of 2 in cluster Q**

**Actual:**
**243 ft.**

**Focus Map:**
**2**

LUST REG NO:

| | |
|---|---|
| Region: | NO |
| Facility ID: | 3030117 |
| **Status:** | **Closed** |
| Tank Size: | 0 |
| Product: | Not reported |
| Release Date: | 01/25/1995 |
| Closed Date: | 6/21/1995 |
| Case Type: | Article 11 |
| Case Officer: | Thomas R. Lancaster, P.G. |
| Pollution Complaint #: | 95-4178 |
| Permit Number: | 0 |
| Priority: | 3 |

**CITY OF MANASSAS POWER PLANT (Continued)** **S104407045**

TIER 2:

| | |
|---|---|
| Name: | MANASSAS CITY VMEA GENERATOR FACILITY |
| Address: | 9898 GODWIN DRIVE |
| City,State,Zip: | MANASSAS, VA 20110 |
| Facility ID: | Not reported |
| CAS Number: | Not reported |
| SIC Code: | 22111 |
| NAICS: | Not reported |
| Entered Chemical Name: | Fuel Oil #2 |
| Average Amt Code: | 5 |
| Owner Name: | Gregg Paulson |
| Owner Phone: | 5719215999 |
| Contact Type: | Not reported |
| Contact Information: | Not reported |
| Filing Year: | Not reported |

| | |
|---|---|
| Name: | MANASSAS CITY VMEA GENERATOR FACILITY |
| Address: | 9898 GODWIN DRIVE |
| City,State,Zip: | MANASSAS, VA 20110 |
| Facility ID: | Not reported |
| CAS Number: | Not reported |
| SIC Code: | Not reported |
| NAICS: | 4911 |
| Entered Chemical Name: | Fuel Oil #2 |
| Average Amt Code: | 5 |
| Owner Name: | Tarek Aly |
| Owner Phone: | 7032578476 |
| Contact Type: | SIC |
| Contact Information: | Not reported |
| Filing Year: | Not reported |

| | |
|---|---|
| Name: | MANASSAS CITY VMEA GENERATOR FACILITY |
| Address: | 9898 GODWIN DRIVE |
| City,State,Zip: | MANASSAS, VA 20110 |
| Facility ID: | Not reported |
| CAS Number: | Not reported |
| SIC Code: | Not reported |
| NAICS: | 4911 |
| Entered Chemical Name: | Fuel Oil #2 |
| Average Amt Code: | 5 |
| Owner Name: | Tarek Aly |
| Owner Phone: | 5716439327 |
| Contact Type: | SIC |
| Contact Information: | Not reported |
| Filing Year: | Not reported |

| | |
|---|---|
| Name: | MANASSAS CITY VMEA GENERATOR FACILITY |
| Address: | 9898 GODWIN DRIVE |
| City,State,Zip: | MANASSAS, VA 20110 |
| Facility ID: | Not reported |
| CAS Number: | Not reported |
| SIC Code: | Not reported |
| NAICS: | 4911 |
| Entered Chemical Name: | Fuel Oil #2 |
| Average Amt Code: | 5 |
| Owner Name: | Tarek Aly |
| Owner Phone: | 7032578353 |

**CITY OF MANASSAS POWER PLANT (Continued)** **S104407045**

| | |
|---|---|
| Contact Type: | SIC |
| Contact Information: | Not reported |
| Filing Year: | Not reported |
| | |
| Name: | MANASSAS CITY VMEA GENERATOR FACILITY |
| Address: | 9898 GODWIN DRIVE |
| City,State,Zip: | MANASSAS, VA 20110 |
| Facility ID: | Not reported |
| CAS Number: | Not reported |
| SIC Code: | Not reported |
| NAICS: | 22111 |
| Entered Chemical Name: | Fuel Oil #2 |
| Average Amt Code: | 5 |
| Owner Name: | Tarek Aly |
| Owner Phone: | 7032578476 |
| Contact Type: | NAICS |
| Contact Information: | Not reported |
| Filing Year: | Not reported |
| | |
| Name: | MANASSAS CITY VMEA GENERATOR FACILITY |
| Address: | 9898 GODWIN DRIVE |
| City,State,Zip: | MANASSAS, VA 20110 |
| Facility ID: | Not reported |
| CAS Number: | Not reported |
| SIC Code: | Not reported |
| NAICS: | 22111 |
| Entered Chemical Name: | Fuel Oil #2 |
| Average Amt Code: | 5 |
| Owner Name: | Tarek Aly |
| Owner Phone: | 5716439327 |
| Contact Type: | NAICS |
| Contact Information: | Not reported |
| Filing Year: | Not reported |
| | |
| Name: | MANASSAS CITY VMEA GENERATOR FACILITY |
| Address: | 9898 GODWIN DRIVE |
| City,State,Zip: | MANASSAS, VA 20110 |
| Facility ID: | Not reported |
| CAS Number: | Not reported |
| SIC Code: | Not reported |
| NAICS: | 22111 |
| Entered Chemical Name: | Fuel Oil #2 |
| Average Amt Code: | 5 |
| Owner Name: | Tarek Aly |
| Owner Phone: | 7032578353 |
| Contact Type: | NAICS |
| Contact Information: | Not reported |
| Filing Year: | Not reported |
| | |
| Name: | MANASSAS CITY VMEA GENERATOR FACILITY |
| Address: | 9898 GODWIN DRIVE |
| City,State,Zip: | MANASSAS, VA 20110 |
| Facility ID: | Not reported |
| CAS Number: | Not reported |
| SIC Code: | Not reported |
| NAICS: | 4911 |
| Entered Chemical Name: | Fuel Oil #2 |

**CITY OF MANASSAS POWER PLANT (Continued)** **S104407045**

| | |
|---|---|
| Average Amt Code: | 5 |
| Owner Name: | Michael Moon |
| Owner Phone: | 5712384851 |
| Contact Type: | SIC |
| Contact Information: | Not reported |
| Filing Year: | Not reported |

| | |
|---|---|
| Name: | MANASSAS CITY VMEA GENERATOR FACILITY |
| Address: | 9898 GODWIN DRIVE |
| City,State,Zip: | MANASSAS, VA 20110 |
| Facility ID: | Not reported |
| CAS Number: | Not reported |
| SIC Code: | Not reported |
| NAICS: | 4911 |
| Entered Chemical Name: | Fuel Oil #2 |
| Average Amt Code: | 5 |
| Owner Name: | Michael Moon |
| Owner Phone: | 7032578226 |
| Contact Type: | SIC |
| Contact Information: | Not reported |
| Filing Year: | Not reported |

| | |
|---|---|
| Name: | MANASSAS CITY VMEA GENERATOR FACILITY |
| Address: | 9898 GODWIN DRIVE |
| City,State,Zip: | MANASSAS, VA 20110 |
| Facility ID: | Not reported |
| CAS Number: | Not reported |
| SIC Code: | Not reported |
| NAICS: | 22111 |
| Entered Chemical Name: | Fuel Oil #2 |
| Average Amt Code: | 5 |
| Owner Name: | Michael Moon |
| Owner Phone: | 5712384851 |
| Contact Type: | NAICS |
| Contact Information: | Not reported |
| Filing Year: | Not reported |

| | |
|---|---|
| Name: | MANASSAS CITY VMEA GENERATOR FACILITY |
| Address: | 9898 GODWIN DRIVE |
| City,State,Zip: | MANASSAS, VA 20110 |
| Facility ID: | Not reported |
| CAS Number: | Not reported |
| SIC Code: | Not reported |
| NAICS: | 22111 |
| Entered Chemical Name: | Fuel Oil #2 |
| Average Amt Code: | 5 |
| Owner Name: | Michael Moon |
| Owner Phone: | 7032578226 |
| Contact Type: | NAICS |
| Contact Information: | Not reported |
| Filing Year: | Not reported |

**Q88** **MANASSAS CITY VMEA** **VA LTANKS** **S105095294**
**NE** **9898 GODWIN DR** **VA SPILLS** **N/A**
**1/4-1/2** **MANASSAS, VA 20110** **VA AIRS**
**0.425 mi.**
**2245 ft.** **Site 2 of 2 in cluster Q**

**Actual:**
**243 ft.**

**Focus Map:**
**2**

LTANKS:

| | |
|---|---|
| Name: | MANASSAS CITY POWER PLANT |
| Address: | 9898 GODWIN DR |
| City,State,Zip: | MANASSAS, VA 20110 |
| City,State,Zip: | MANASSAS, VA 20110 |
| Region: | NRO |
| CEDS Facility Id: | 200000076702 |
| **Case Status:** | **Closed** |
| Pollution Complaint #: | 19954178 |
| Reported: | 01/25/1995 |
| Case Closed Date: | 06/21/1995 |
| Program: | RP Lead |
| Federally Regulated UST (Y/N): | N |
| Regulated Petroleum UST (1): | N |
| Excluded UST (1): | N |
| Deferred UST (1): | N |
| Partially Deferred UST (1): | N |
| Exempt 1 UST (2): | N |
| Exempt 2 Heating Oil UST (2): | N |
| Small Heating Oil AST (2): | N |
| Regulated AST (3): | N |
| Unregulated AST (3): | N |
| Other Y/N: | N |
| Unknown Y/N: | N |
| Other Description: | Not reported |
| Heating Oil Category: | Not reported |
| Changed By: | Not reported |
| Changed Date: | Not reported |
| Inserted By: | Not reported |
| Inserted Date: | Not reported |
| Verified By: | Not reported |
| Verify Date: | Not reported |
| Reference Point: | Not reported |
| RST ID: | Not reported |
| RST Poll Complaint Number: | Not reported |
| Des First Name: | Not reported |
| Des Last Name: | Not reported |
| RST Rec Code: | Not reported |
| RST Priority: | Not reported |
| RST Fed Reg Tank: | Not reported |
| RST Responsibility Ind: | Not reported |
| RST Suspect Confirm Ind: | Not reported |
| Facility Location: | Not reported |
| FIC Description: | Not reported |
| Latitude: | Not reported |
| Longitude: | Not reported |

SPILLS:

| | |
|---|---|
| Name: | Not reported |
| Address: | 9898 GODWIN DRIVE |
| City,State,Zip: | MANASSAS, VA |
| City,State,Zip: | MANASSAS, VA |
| Fips City/County: | 683/Manassas City |

**MANASSAS CITY VMEA (Continued)** **S105095294**

| | |
|---|---|
| Status: | Closed |
| Reference Id: | 254778 |
| IR Number: | 2002-N-0842 |
| Associated IR: | Not reported |
| Incident Date: | Not reported |
| Call Received Date: | 05/01/2002 |
| Closure Comments: | See Site Comments for details |
| Threat To: | Not reported |
| Terrorism (Y/N): | NO |
| Characterize Incident: | Not reported |
| Incident Type: | Air(Air) |
| Incident Subtype: | Air |
| Materials: | Waste (Solid) |
| Effect To Receptor: | Not reported |
| Water Body: | Not reported |
| Low Quantity To Water: | Not reported |
| High Quantity To Water: | Not reported |
| Quantity Units: | Not reported |
| Other Receptors: | Not reported |
| RP Company: | Robert Goeke |
| RP Name: | Not reported |
| Property Owner: | Not reported |
| Property Company: | Not reported |
| Duration Of Event (Hrs): | Not reported |
| Impacts: | Not reported |
| Other Impacts: | Not reported |
| Steps Taken: | Not reported |
| Steps Taken Description: | Not reported |
| System Components: | Not reported |
| Other System Components: | Not reported |
| Cause Of Event: | Not reported |
| Corrective Action Taken: | Not reported |
| Weather Status: | No |
| Precipitation (Wet): | Not reported |
| Discharge Type: | Not reported |
| Discharge Volume: | Not reported |
| Unknown Discharge (Y/N): | NO |
| Site Name: | MANASSAS CITY VMEA |
| Closure Date: | 06/10/2002 |
| Orig. Call Incident Description: | substation operating more than usual resulting in gray haze & soot |
| Original Call Material Description: | gray haze & soot (Qty=0) |
| Original Call Location Description: | Manassas City VMEA-9898 Godwin Drive-Manassas-VA--Manassas City |
| Incident Ongoing at time of Call: | No |
| Agencies Notified (Y/N): | NO |
| Other Agencies: | Not reported |
| Permitted (Y/N): | No |
| Call Reported By Company Name: | Not reported |
| Call Property Owner Company Name: | Not reported |
| Call Property Owner Name: | Not reported |
| Site Summary: | Not reported |

| | |
|---|---|
| Name: | Not reported |
| Address: | 9898 GODWIN DRIVE |
| City,State,Zip: | MANASSAS, VA |
| City,State,Zip: | MANASSAS, VA |
| Fips City/County: | 683/Manassas City |
| Status: | Closed |

**MANASSAS CITY VMEA (Continued)** **S105095294**

| | |
|---|---|
| Reference Id: | 255133 |
| IR Number: | 2005-N-1040 |
| Associated IR: | Not reported |
| Incident Date: | 06/14/2005 |
| Call Received Date: | 06/15/2005 |
| Closure Comments: | See Site Comments for details |
| Threat To: | Not reported |
| Terrorism (Y/N): | NO |
| Characterize Incident: | Not reported |
| Incident Type: | Air(Air) |
| Incident Subtype: | Air |
| Materials: | Smoke |
| Effect To Receptor: | Not reported |
| Water Body: | Not reported |
| Low Quantity To Water: | Not reported |
| High Quantity To Water: | Not reported |
| Quantity Units: | Not reported |
| Other Receptors: | Not reported |
| RP Company: | Rob Goeke |
| RP Name: | Not reported |
| Property Owner: | Not reported |
| Property Company: | Not reported |
| Duration Of Event (Hrs): | Not reported |
| Impacts: | Not reported |
| Other Impacts: | Not reported |
| Steps Taken: | Not reported |
| Steps Taken Description: | Not reported |
| System Components: | Not reported |
| Other System Components: | Not reported |
| Cause Of Event: | Not reported |
| Corrective Action Taken: | Not reported |
| Weather Status: | No |
| Precipitation (Wet): | Not reported |
| Discharge Type: | Not reported |
| Discharge Volume: | Not reported |
| Unknown Discharge (Y/N): | NO |
| Site Name: | CITY OF MANSSAS VMEA |
| Closure Date: | 07/29/2005 |
| Orig. Call Incident Description: | BLACK SMOKE FROM POWER PLANT IN SUMMER |
| Original Call Material Description: | SMOKE |
| Original Call Location Description: | City of Manssas VMEA-9898 Godwin Drive-Manassas-VA--Manassas City |
| Incident Ongoing at time of Call: | No |
| Agencies Notified (Y/N): | NO |
| Other Agencies: | Not reported |
| Permitted (Y/N): | No |
| Call Reported By Company Name: | Not reported |
| Call Property Owner Company Name: | Not reported |
| Call Property Owner Name: | Not reported |
| Site Summary: | Not reported |

AIRS:

| | |
|---|---|
| Facility ID: | 200000076702 |
| Name: | MANASSAS CITY VMEA |
| Address: | 9898 GODWIN DR |
| Address 2: | Not reported |
| Address 3: | Not reported |
| City,State,Zip: | MANASSAS, VA 20110 |

**MANASSAS CITY VMEA (Continued)** **S105095294**

| | |
|---|---|
| Application Number: | 5 |
| Mailing Address: | PO Box 560 |
| Mailing Address 3: | Not reported |
| Mailing Address 2: | Not reported |
| Mailing City: | Manassas |
| Mailing State: | VA |
| Mailing Zip Code: | 20110 |
| Region: | NRO |
| Program Type: | Article 6 - mNSR |
| Issued Date: | 05/19/2011 |
| Owner Name: | James Bower |
| Owner Tele: | 7032578354 |
| Owner Title: | System Operations & Generation Supervisor |
| Permit Type: | MINAMEN |
| Owner Email: | JBower@ci.manassas.va.us |
| Operation Status: | Operating |
| Facility Full Name: | City of Manassas/VMEA |
| ICIS Federal ID: | VA0000005168300090 |
| Currently Active (Y/N): | Y |
| Primary Program/Permit Type Description: | Minor Amendment to Minor NSR Permit |
| Permit Status: | Superseded |
| Latitude: | 38.739722 |
| Longitude: | -77.508056 |

AIRS:

| | |
|---|---|
| Registration Number: | 71977 |
| Contact Name: | James A Bower |
| Contact Address: | 8500 Public Works Drive |
| Contact Address 2: | Not reported |
| Contact City,State,Zip: | Manassas, VA 20110 |
| Contact Country: | Not reported |
| Contact Email: | JBower@ci.manassas.va.us |
| Contact Mobile: | Not reported |
| Contact Fax: | Not reported |
| Contact Telephone: | 7032578354 |
| Contact Telephone 2: | Not reported |
| Contact Title: | System Operations & Generation Supervisor |
| Contact Company: | City of Manassas Utilities Department |
| Mail Stop: | Not reported |
| Comments: | Not reported |
| Purpose: | Annual Update Contact, Compliance Contact, Permit Fee Contact |

| | |
|---|---|
| Registration Number: | 71977 |
| Contact Name: | Ms Juanita Lopez |
| Contact Address: | Not reported |
| Contact Address 2: | Not reported |
| Contact City,State,Zip: | VA |
| Contact Country: | Not reported |
| Contact Email: | jlopez@ci.manassas.va.us |
| Contact Mobile: | Not reported |
| Contact Fax: | Not reported |
| Contact Telephone: | 7032578358 |
| Contact Telephone 2: | Not reported |
| Contact Title: | Not reported |
| Contact Company: | Not reported |
| Mail Stop: | Not reported |
| Comments: | Not reported |
| Purpose: | Compliance Contact |

**MANASSAS CITY VMEA (Continued)** **S105095294**

| | |
|---|---|
| Registration Number: | 71977 |
| Contact Name: | David T Jones P.E. |
| Contact Address: | Not reported |
| Contact Address 2: | Not reported |
| Contact City,State,Zip: | VA |
| Contact Country: | Not reported |
| Contact Email: | Not reported |
| Contact Mobile: | Not reported |
| Contact Fax: | Not reported |
| Contact Telephone: | 7032578474 |
| Contact Telephone 2: | Not reported |
| Contact Title: | Acting Deputy Director of Electric |
| Contact Company: | Not reported |
| Mail Stop: | Not reported |
| Comments: | Not reported |
| Purpose: | Compliance Contact |

AIRS:

| | |
|---|---|
| Emission Year: | 2022 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | Not reported |
| FIPS Code: | 683 |
| City/County: | Manassas |
| Pollutant Name: | Not reported |
| Pollutant Short Name: | Not reported |
| Value (tons/year): | Not reported |
| Federal Classification: | Synthetic Minor |
| NAICS Primary Code: | 221112 |
| CO: | 5.737861417 |
| NH3: | Not reported |
| NOX: | 28.8543687 |
| PM 10: | Not reported |
| PM 2.5: | 0.583136661 |
| SO2: | 0.602305174 |
| VOC: | 0.602305174 |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | Not reported |
| Longitude: | Not reported |

| | |
|---|---|
| Emission Year: | 2022 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | Not reported |
| FIPS Code: | 683 |
| City/County: | Manassas |
| Pollutant Name: | Not reported |
| Pollutant Short Name: | Not reported |
| Value (tons/year): | Not reported |
| Federal Classification: | Synthetic Minor |
| NAICS Primary Code: | 221112 |
| CO: | 5.737861417 |
| NH3: | Not reported |
| NOX: | 28.8543687 |
| PM 10: | Not reported |
| PM 2.5: | 0.583136661 |

**MANASSAS CITY VMEA (Continued)** **S105095294**

| | |
|---|---|
| SO2: | 0.602305174 |
| VOC: | 0.602305174 |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | Not reported |
| Longitude: | Not reported |
| | |
| Emission Year: | 2021 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | Not reported |
| FIPS Code: | Manassas City |
| City/County: | 683 |
| Pollutant Name: | Not reported |
| Pollutant Short Name: | Not reported |
| Value (tons/year): | Not reported |
| Federal Classification: | Synthetic Minor |
| NAICS Primary Code: | 221112 |
| CO: | 5.31050 |
| NH3: | 0.00000 |
| NOX: | 25.98370 |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | 0.53940 |
| VOC: | 0.53940 |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | Not reported |
| Longitude: | Not reported |
| | |
| Emission Year: | 2018 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | Not reported |
| City/County: | Manassas City |
| Pollutant Name: | Particulate Matter 10 |
| Pollutant Short Name: | PM 10 |
| Value (tons/year): | 0.088325776 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.739722 |
| Longitude: | -77.508056 |
| | |
| Emission Year: | 2013 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |

**MANASSAS CITY VMEA (Continued)** **S105095294**

| | |
|---|---|
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Nitrogen Oxide |
| Pollutant Short Name: | NOX |
| Value (tons/year): | 5.707021101 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.739722 |
| Longitude: | -77.508056 |

| | |
|---|---|
| Emission Year: | 2013 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Particulate Matter |
| Pollutant Short Name: | PM |
| Value (tons/year): | 0.125780462 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.739722 |
| Longitude: | -77.508056 |

| | |
|---|---|
| Emission Year: | 2013 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Volatile Organic Compounds |
| Pollutant Short Name: | VOC |
| Value (tons/year): | 0.172101484 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |

**MANASSAS CITY VMEA (Continued)** **S105095294**

| | |
|---|---|
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.739722 |
| Longitude: | -77.508056 |
| | |
| Emission Year: | 2013 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Sulfur Dioxide |
| Pollutant Short Name: | SO2 |
| Value (tons/year): | 0.965666477 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.739722 |
| Longitude: | -77.508056 |
| | |
| Emission Year: | 2013 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Carbon Monoxide |
| Pollutant Short Name: | CO |
| Value (tons/year): | 1.266567969 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.739722 |
| Longitude: | -77.508056 |
| | |
| Emission Year: | 2013 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |

**MANASSAS CITY VMEA (Continued)** **S105095294**

| | |
|---|---|
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Particulate Matter 10 |
| Pollutant Short Name: | PM 10 |
| Value (tons/year): | 0.125780462 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.739722 |
| Longitude: | -77.508056 |

| | |
|---|---|
| Emission Year: | 2013 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Particulate Matter 2.5 |
| Pollutant Short Name: | PM 2.5 |
| Value (tons/year): | 0.125780462 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.739722 |
| Longitude: | -77.508056 |

| | |
|---|---|
| Emission Year: | 2018 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | Not reported |
| City/County: | Manassas City |
| Pollutant Name: | Volatile Organic Compounds |
| Pollutant Short Name: | VOC |
| Value (tons/year): | 0.1228476195 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |

**MANASSAS CITY VMEA (Continued)** **S105095294**

| | |
|---|---|
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.739722 |
| Longitude: | -77.508056 |
| | |
| Emission Year: | 2018 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | Not reported |
| City/County: | Manassas City |
| Pollutant Name: | Carbon Monoxide |
| Pollutant Short Name: | CO |
| Value (tons/year): | 0.883874837 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.739722 |
| Longitude: | -77.508056 |
| | |
| Emission Year: | 2015 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Carbon Monoxide |
| Pollutant Short Name: | CO |
| Value (tons/year): | 2.6344219655 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.739722 |
| Longitude: | -77.508056 |
| | |
| Emission Year: | 2015 |
| Registration No: | 71977 |

**MANASSAS CITY VMEA (Continued)** **S105095294**

| | |
|---|---|
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Particulate Matter 10 |
| Pollutant Short Name: | PM 10 |
| Value (tons/year): | 0.263231619 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.739722 |
| Longitude: | -77.508056 |

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|---|---|
| Emission Year: | 2015 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Particulate Matter 2.5 |
| Pollutant Short Name: | PM 2.5 |
| Value (tons/year): | 0.263231619 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.739722 |
| Longitude: | -77.508056 |

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|---|---|
| Emission Year: | 2015 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Nitrogen Oxide |
| Pollutant Short Name: | NOX |
| Value (tons/year): | 12.14545825 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |

**MANASSAS CITY VMEA (Continued)** **S105095294**

| | |
|---|---|
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.739722 |
| Longitude: | -77.508056 |
| | |
| Emission Year: | 2015 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Particulate Matter |
| Pollutant Short Name: | PM |
| Value (tons/year): | 0.263231619 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.739722 |
| Longitude: | -77.508056 |
| | |
| Emission Year: | 2015 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Volatile Organic Compounds |
| Pollutant Short Name: | VOC |
| Value (tons/year): | 0.3660187705 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.739722 |
| Longitude: | -77.508056 |
| | |
| Emission Year: | 2015 |

**MANASSAS CITY VMEA (Continued)** **S105095294**

| | |
|---|---|
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Sulfur Dioxide |
| Pollutant Short Name: | SO2 |
| Value (tons/year): | 2.0086702715 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.739722 |
| Longitude: | -77.508056 |

| | |
|---|---|
| Emission Year: | 2014 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Carbon Monoxide |
| Pollutant Short Name: | CO |
| Value (tons/year): | 1.5094709515 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.739722 |
| Longitude: | -77.508056 |

| | |
|---|---|
| Emission Year: | 2014 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Particulate Matter 10 |
| Pollutant Short Name: | PM 10 |
| Value (tons/year): | 0.151917247 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |

**MANASSAS CITY VMEA (Continued)** **S105095294**

| | |
|---|---|
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.739722 |
| Longitude: | -77.508056 |
| | |
| Emission Year: | 2014 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Particulate Matter 2.5 |
| Pollutant Short Name: | PM 2.5 |
| Value (tons/year): | 0.151917247 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.739722 |
| Longitude: | -77.508056 |
| | |
| Emission Year: | 2014 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Nitrogen Oxide |
| Pollutant Short Name: | NOX |
| Value (tons/year): | 7.1451928435 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.739722 |
| Longitude: | -77.508056 |

**MANASSAS CITY VMEA (Continued)** **S105095294**

| | |
|---|---|
| Emission Year: | 2014 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Particulate Matter |
| Pollutant Short Name: | PM |
| Value (tons/year): | 0.151917247 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.739722 |
| Longitude: | -77.508056 |

| | |
|---|---|
| Emission Year: | 2014 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Volatile Organic Compounds |
| Pollutant Short Name: | VOC |
| Value (tons/year): | 0.2151701665 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.739722 |
| Longitude: | -77.508056 |

| | |
|---|---|
| Emission Year: | 2014 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Sulfur Dioxide |
| Pollutant Short Name: | SO2 |
| Value (tons/year): | 1.1510049455 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |

**MANASSAS CITY VMEA (Continued)** **S105095294**

| | |
|---|---|
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.739722 |
| Longitude: | -77.508056 |
| | |
| Emission Year: | 2018 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | Not reported |
| City/County: | Manassas City |
| Pollutant Name: | Nitrogen Oxide |
| Pollutant Short Name: | NOX |
| Value (tons/year): | 4.076448023 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.739722 |
| Longitude: | -77.508056 |
| | |
| Emission Year: | 2018 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | Not reported |
| City/County: | Manassas City |
| Pollutant Name: | Particulate Matter |
| Pollutant Short Name: | PM |
| Value (tons/year): | 0.088325776 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.739722 |
| Longitude: | -77.508056 |

**MANASSAS CITY VMEA (Continued)** **S105095294**

| | |
|---|---|
| Emission Year: | 2017 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Nitrogen Oxide |
| Pollutant Short Name: | NOX |
| Value (tons/year): | 4.0764480230000002 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.739722 |
| Longitude: | -77.508056 |

| | |
|---|---|
| Emission Year: | 2017 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Particulate Matter |
| Pollutant Short Name: | PM |
| Value (tons/year): | 8.8325775999999995E-2 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.739722 |
| Longitude: | -77.508056 |

| | |
|---|---|
| Emission Year: | 2017 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Volatile Organic Compounds |
| Pollutant Short Name: | VOC |
| Value (tons/year): | 0.1228476195 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |

**MANASSAS CITY VMEA (Continued)** **S105095294**

| | |
|---|---|
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.739722 |
| Longitude: | -77.508056 |
| | |
| Emission Year: | 2017 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Sulfur Dioxide |
| Pollutant Short Name: | SO2 |
| Value (tons/year): | 2.0453412000000001E-3 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.739722 |
| Longitude: | -77.508056 |
| | |
| Emission Year: | 2017 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Carbon Monoxide |
| Pollutant Short Name: | CO |
| Value (tons/year): | 0.88387483700000002 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.739722 |
| Longitude: | -77.508056 |

**MANASSAS CITY VMEA (Continued)** **S105095294**

| | |
|---|---|
| Emission Year: | 2017 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Particulate Matter 10 |
| Pollutant Short Name: | PM 10 |
| Value (tons/year): | 8.8325775999999995E-2 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.739722 |
| Longitude: | -77.508056 |

| | |
|---|---|
| Emission Year: | 2017 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Particulate Matter 2.5 |
| Pollutant Short Name: | PM 2.5 |
| Value (tons/year): | 8.8325775999999995E-2 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.739722 |
| Longitude: | -77.508056 |

| | |
|---|---|
| Emission Year: | 2021 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | Not reported |
| FIPS Code: | Manassas City |
| City/County: | 683 |
| Pollutant Name: | Not reported |
| Pollutant Short Name: | Not reported |
| Value (tons/year): | Not reported |
| Federal Classification: | Synthetic Minor |
| NAICS Primary Code: | 221112 |

**MANASSAS CITY VMEA (Continued)** **S105095294**

| | |
|---|---|
| CO: | 5.3105 |
| NH3: | 0 |
| NOX: | 25.9837 |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | 0.5394 |
| VOC: | 0.5394 |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | Not reported |
| Longitude: | Not reported |
| | |
| Emission Year: | 2019 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | Not reported |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Not reported |
| Pollutant Short Name: | Not reported |
| Value (tons/year): | Not reported |
| Federal Classification: | Synthetic Minor |
| NAICS Primary Code: | 221112 |
| CO: | 3.01 |
| NH3: | 0.00 |
| NOX: | 14.17 |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | 0.30 |
| VOC: | 0.30 |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | Not reported |
| Longitude: | Not reported |
| | |
| Emission Year: | 2018 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | Not reported |
| City/County: | Manassas City |
| Pollutant Name: | Particulate Matter 2.5 |
| Pollutant Short Name: | PM 2.5 |
| Value (tons/year): | 0.088325776 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.739722 |
| Longitude: | -77.508056 |

**MANASSAS CITY VMEA (Continued)** **S105095294**

| | |
|---|---|
| Emission Year: | 2018 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | Not reported |
| City/County: | Manassas City |
| Pollutant Name: | Sulfur Dioxide |
| Pollutant Short Name: | SO2 |
| Value (tons/year): | 0.0020453412 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.739722 |
| Longitude: | -77.508056 |

| | |
|---|---|
| Emission Year: | 2016 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Particulate Matter 2.5 |
| Pollutant Short Name: | PM 2.5 |
| Value (tons/year): | 0.0975725318 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.739722 |
| Longitude: | -77.508056 |

| | |
|---|---|
| Emission Year: | 2016 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Nitrogen Oxide |
| Pollutant Short Name: | NOX |
| Value (tons/year): | 4.5325878396 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |

**MANASSAS CITY VMEA (Continued)** **S105095294**

| | |
|---|---|
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.739722 |
| Longitude: | -77.508056 |
| | |
| Emission Year: | 2016 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Particulate Matter |
| Pollutant Short Name: | PM |
| Value (tons/year): | 0.0975725318 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.739722 |
| Longitude: | -77.508056 |
| | |
| Emission Year: | 2016 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Volatile Organic Compounds |
| Pollutant Short Name: | VOC |
| Value (tons/year): | 0.136559366 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.739722 |
| Longitude: | -77.508056 |

**MANASSAS CITY VMEA (Continued)** **S105095294**

| | |
|---|---|
| Emission Year: | 2016 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Sulfur Dioxide |
| Pollutant Short Name: | SO2 |
| Value (tons/year): | 0.7426980408 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.739722 |
| Longitude: | -77.508056 |

| | |
|---|---|
| Emission Year: | 2016 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Carbon Monoxide |
| Pollutant Short Name: | CO |
| Value (tons/year): | 0.9740444841 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.739722 |
| Longitude: | -77.508056 |

| | |
|---|---|
| Emission Year: | 2016 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Particulate Matter 10 |
| Pollutant Short Name: | PM 10 |
| Value (tons/year): | 0.0975725318 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |

**MANASSAS CITY VMEA (Continued)** **S105095294**

| | |
|---|---|
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.739722 |
| Longitude: | -77.508056 |

| | |
|---|---|
| Facility ID: | 200000076702 |
| Name: | MANASSAS CITY VMEA |
| Address: | 9898 GODWIN DR |
| Address 2: | Not reported |
| Address 3: | Not reported |
| City,State,Zip: | MANASSAS, VA 20110 |
| Application Number: | 3 |
| Mailing Address: | PO Box 560 |
| Mailing Address 3: | Not reported |
| Mailing Address 2: | Not reported |
| Mailing City: | Manassas |
| Mailing State: | VA |
| Mailing Zip Code: | 20110 |
| Region: | NRO |
| Program Type: | Article 6 - mNSR |
| Issued Date: | 09/16/2008 |
| Owner Name: | James Bower |
| Owner Tele: | 7032578354 |
| Owner Title: | System Operations & Generation Supervisor |
| Permit Type: | MINOR |
| Owner Email: | JBower@ci.manassas.va.us |
| Operation Status: | Operating |
| Facility Full Name: | City of Manassas/VMEA |
| ICIS Federal ID: | VA0000005168300090 |
| Currently Active (Y/N): | Y |
| Primary Program/Permit Type Description: | For legacy mapping purposes only (inactive for picklist purposes) |
| Permit Status: | Superseded |
| Latitude: | 38.739722 |
| Longitude: | -77.508056 |

AIRS:

| | |
|---|---|
| Registration Number: | 71977 |
| Contact Name: | James A Bower |
| Contact Address: | 8500 Public Works Drive |
| Contact Address 2: | Not reported |
| Contact City,State,Zip: | Manassas, VA 20110 |
| Contact Country: | Not reported |
| Contact Email: | JBower@ci.manassas.va.us |
| Contact Mobile: | Not reported |
| Contact Fax: | Not reported |
| Contact Telephone: | 7032578354 |
| Contact Telephone 2: | Not reported |
| Contact Title: | System Operations & Generation Supervisor |
| Contact Company: | City of Manassas Utilities Department |
| Mail Stop: | Not reported |

**MANASSAS CITY VMEA (Continued)** **S105095294**

| | |
|---|---|
| Comments: | Not reported |
| Purpose: | Annual Update Contact, Compliance Contact, Permit Fee Contact |
| | |
| Registration Number: | 71977 |
| Contact Name: | Ms Juanita Lopez |
| Contact Address: | Not reported |
| Contact Address 2: | Not reported |
| Contact City,State,Zip: | VA |
| Contact Country: | Not reported |
| Contact Email: | jlopez@ci.manassas.va.us |
| Contact Mobile: | Not reported |
| Contact Fax: | Not reported |
| Contact Telephone: | 7032578358 |
| Contact Telephone 2: | Not reported |
| Contact Title: | Not reported |
| Contact Company: | Not reported |
| Mail Stop: | Not reported |
| Comments: | Not reported |
| Purpose: | Compliance Contact |
| | |
| Registration Number: | 71977 |
| Contact Name: | David T Jones P.E. |
| Contact Address: | Not reported |
| Contact Address 2: | Not reported |
| Contact City,State,Zip: | VA |
| Contact Country: | Not reported |
| Contact Email: | Not reported |
| Contact Mobile: | Not reported |
| Contact Fax: | Not reported |
| Contact Telephone: | 7032578474 |
| Contact Telephone 2: | Not reported |
| Contact Title: | Acting Deputy Director of Electric |
| Contact Company: | Not reported |
| Mail Stop: | Not reported |
| Comments: | Not reported |
| Purpose: | Compliance Contact |

AIRS:

| | |
|---|---|
| Emission Year: | 2022 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | Not reported |
| FIPS Code: | 683 |
| City/County: | Manassas |
| Pollutant Name: | Not reported |
| Pollutant Short Name: | Not reported |
| Value (tons/year): | Not reported |
| Federal Classification: | Synthetic Minor |
| NAICS Primary Code: | 221112 |
| CO: | 5.737861417 |
| NH3: | Not reported |
| NOX: | 28.8543687 |
| PM 10: | Not reported |
| PM 2.5: | 0.583136661 |
| SO2: | 0.602305174 |
| VOC: | 0.602305174 |
| PM: | Not reported |

**MANASSAS CITY VMEA (Continued)** **S105095294**

| | |
|---|---|
| PB: | Not reported |
| Latitude: | Not reported |
| Longitude: | Not reported |
| | |
| Emission Year: | 2022 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | Not reported |
| FIPS Code: | 683 |
| City/County: | Manassas |
| Pollutant Name: | Not reported |
| Pollutant Short Name: | Not reported |
| Value (tons/year): | Not reported |
| Federal Classification: | Synthetic Minor |
| NAICS Primary Code: | 221112 |
| CO: | 5.737861417 |
| NH3: | Not reported |
| NOX: | 28.8543687 |
| PM 10: | Not reported |
| PM 2.5: | 0.583136661 |
| SO2: | 0.602305174 |
| VOC: | 0.602305174 |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | Not reported |
| Longitude: | Not reported |
| | |
| Emission Year: | 2021 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | Not reported |
| FIPS Code: | Manassas City |
| City/County: | 683 |
| Pollutant Name: | Not reported |
| Pollutant Short Name: | Not reported |
| Value (tons/year): | Not reported |
| Federal Classification: | Synthetic Minor |
| NAICS Primary Code: | 221112 |
| CO: | 5.31050 |
| NH3: | 0.00000 |
| NOX: | 25.98370 |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | 0.53940 |
| VOC: | 0.53940 |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | Not reported |
| Longitude: | Not reported |
| | |
| Emission Year: | 2018 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | Not reported |
| City/County: | Manassas City |
| Pollutant Name: | Particulate Matter 10 |

**MANASSAS CITY VMEA (Continued)** **S105095294**

| | |
|---|---|
| Pollutant Short Name: | PM 10 |
| Value (tons/year): | 0.088325776 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.739722 |
| Longitude: | -77.508056 |
| | |
| Emission Year: | 2013 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Nitrogen Oxide |
| Pollutant Short Name: | NOX |
| Value (tons/year): | 5.707021101 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.739722 |
| Longitude: | -77.508056 |
| | |
| Emission Year: | 2013 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Particulate Matter |
| Pollutant Short Name: | PM |
| Value (tons/year): | 0.125780462 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |

**MANASSAS CITY VMEA (Continued)** **S105095294**

| | |
|---|---|
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.739722 |
| Longitude: | -77.508056 |
| | |
| Emission Year: | 2013 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Volatile Organic Compounds |
| Pollutant Short Name: | VOC |
| Value (tons/year): | 0.172101484 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.739722 |
| Longitude: | -77.508056 |
| | |
| Emission Year: | 2013 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Sulfur Dioxide |
| Pollutant Short Name: | SO2 |
| Value (tons/year): | 0.965666477 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.739722 |
| Longitude: | -77.508056 |
| | |
| Emission Year: | 2013 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |

**MANASSAS CITY VMEA (Continued)** **S105095294**

| | |
|---|---|
| Pollutant Name: | Carbon Monoxide |
| Pollutant Short Name: | CO |
| Value (tons/year): | 1.266567969 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.739722 |
| Longitude: | -77.508056 |

| | |
|---|---|
| Emission Year: | 2013 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Particulate Matter 10 |
| Pollutant Short Name: | PM 10 |
| Value (tons/year): | 0.125780462 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.739722 |
| Longitude: | -77.508056 |

| | |
|---|---|
| Emission Year: | 2013 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Particulate Matter 2.5 |
| Pollutant Short Name: | PM 2.5 |
| Value (tons/year): | 0.125780462 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |

**MANASSAS CITY VMEA (Continued)** **S105095294**

| | |
|---|---|
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.739722 |
| Longitude: | -77.508056 |
| | |
| Emission Year: | 2018 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | Not reported |
| City/County: | Manassas City |
| Pollutant Name: | Volatile Organic Compounds |
| Pollutant Short Name: | VOC |
| Value (tons/year): | 0.1228476195 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.739722 |
| Longitude: | -77.508056 |
| | |
| Emission Year: | 2018 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | Not reported |
| City/County: | Manassas City |
| Pollutant Name: | Carbon Monoxide |
| Pollutant Short Name: | CO |
| Value (tons/year): | 0.883874837 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.739722 |
| Longitude: | -77.508056 |
| | |
| Emission Year: | 2015 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |

**MANASSAS CITY VMEA (Continued)** **S105095294**

| | |
|---|---|
| City/County: | Manassas City |
| Pollutant Name: | Carbon Monoxide |
| Pollutant Short Name: | CO |
| Value (tons/year): | 2.6344219655 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.739722 |
| Longitude: | -77.508056 |

| | |
|---|---|
| Emission Year: | 2015 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Particulate Matter 10 |
| Pollutant Short Name: | PM 10 |
| Value (tons/year): | 0.263231619 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.739722 |
| Longitude: | -77.508056 |

| | |
|---|---|
| Emission Year: | 2015 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Particulate Matter 2.5 |
| Pollutant Short Name: | PM 2.5 |
| Value (tons/year): | 0.263231619 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |

**MANASSAS CITY VMEA (Continued)** **S105095294**

| | |
|---|---|
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.739722 |
| Longitude: | -77.508056 |
| | |
| Emission Year: | 2015 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Nitrogen Oxide |
| Pollutant Short Name: | NOX |
| Value (tons/year): | 12.14545825 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.739722 |
| Longitude: | -77.508056 |
| | |
| Emission Year: | 2015 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Particulate Matter |
| Pollutant Short Name: | PM |
| Value (tons/year): | 0.263231619 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.739722 |
| Longitude: | -77.508056 |
| | |
| Emission Year: | 2015 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |

**MANASSAS CITY VMEA (Continued)** **S105095294**

| | |
|---|---|
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Volatile Organic Compounds |
| Pollutant Short Name: | VOC |
| Value (tons/year): | 0.3660187705 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.739722 |
| Longitude: | -77.508056 |

| | |
|---|---|
| Emission Year: | 2015 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Sulfur Dioxide |
| Pollutant Short Name: | SO2 |
| Value (tons/year): | 2.0086702715 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.739722 |
| Longitude: | -77.508056 |

| | |
|---|---|
| Emission Year: | 2014 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Carbon Monoxide |
| Pollutant Short Name: | CO |
| Value (tons/year): | 1.5094709515 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |

**MANASSAS CITY VMEA (Continued)** **S105095294**

| | |
|---|---|
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.739722 |
| Longitude: | -77.508056 |
| | |
| Emission Year: | 2014 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Particulate Matter 10 |
| Pollutant Short Name: | PM 10 |
| Value (tons/year): | 0.151917247 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.739722 |
| Longitude: | -77.508056 |
| | |
| Emission Year: | 2014 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Particulate Matter 2.5 |
| Pollutant Short Name: | PM 2.5 |
| Value (tons/year): | 0.151917247 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.739722 |
| Longitude: | -77.508056 |
| | |
| Emission Year: | 2014 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |

**MANASSAS CITY VMEA (Continued)** **S105095294**

| | |
|---|---|
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Nitrogen Oxide |
| Pollutant Short Name: | NOX |
| Value (tons/year): | 7.1451928435 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.739722 |
| Longitude: | -77.508056 |

| | |
|---|---|
| Emission Year: | 2014 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Particulate Matter |
| Pollutant Short Name: | PM |
| Value (tons/year): | 0.151917247 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.739722 |
| Longitude: | -77.508056 |

| | |
|---|---|
| Emission Year: | 2014 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Volatile Organic Compounds |
| Pollutant Short Name: | VOC |
| Value (tons/year): | 0.2151701665 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |

**MANASSAS CITY VMEA (Continued)** **S105095294**

| | |
|---|---|
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.739722 |
| Longitude: | -77.508056 |
| | |
| Emission Year: | 2014 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Sulfur Dioxide |
| Pollutant Short Name: | SO2 |
| Value (tons/year): | 1.1510049455 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.739722 |
| Longitude: | -77.508056 |
| | |
| Emission Year: | 2018 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | Not reported |
| City/County: | Manassas City |
| Pollutant Name: | Nitrogen Oxide |
| Pollutant Short Name: | NOX |
| Value (tons/year): | 4.076448023 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.739722 |
| Longitude: | -77.508056 |
| | |
| Emission Year: | 2018 |
| Registration No: | 71977 |

**MANASSAS CITY VMEA (Continued)** **S105095294**

| | |
|---|---|
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | Not reported |
| City/County: | Manassas City |
| Pollutant Name: | Particulate Matter |
| Pollutant Short Name: | PM |
| Value (tons/year): | 0.088325776 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.739722 |
| Longitude: | -77.508056 |

| | |
|---|---|
| Emission Year: | 2017 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Nitrogen Oxide |
| Pollutant Short Name: | NOX |
| Value (tons/year): | 4.0764480230000002 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.739722 |
| Longitude: | -77.508056 |

| | |
|---|---|
| Emission Year: | 2017 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Particulate Matter |
| Pollutant Short Name: | PM |
| Value (tons/year): | 8.8325775999999995E-2 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |

**MANASSAS CITY VMEA (Continued)** **S105095294**

| | |
|---|---|
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.739722 |
| Longitude: | -77.508056 |
| | |
| Emission Year: | 2017 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Volatile Organic Compounds |
| Pollutant Short Name: | VOC |
| Value (tons/year): | 0.1228476195 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.739722 |
| Longitude: | -77.508056 |
| | |
| Emission Year: | 2017 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Sulfur Dioxide |
| Pollutant Short Name: | SO2 |
| Value (tons/year): | 2.0453412000000001E-3 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.739722 |
| Longitude: | -77.508056 |
| | |
| Emission Year: | 2017 |

**MANASSAS CITY VMEA (Continued)** **S105095294**

| | |
|---|---|
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Carbon Monoxide |
| Pollutant Short Name: | CO |
| Value (tons/year): | 0.88387483700000002 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.739722 |
| Longitude: | -77.508056 |

| | |
|---|---|
| Emission Year: | 2017 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Particulate Matter 10 |
| Pollutant Short Name: | PM 10 |
| Value (tons/year): | 8.8325775999999995E-2 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.739722 |
| Longitude: | -77.508056 |

| | |
|---|---|
| Emission Year: | 2017 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Particulate Matter 2.5 |
| Pollutant Short Name: | PM 2.5 |
| Value (tons/year): | 8.8325775999999995E-2 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |

**MANASSAS CITY VMEA (Continued)** **S105095294**

| | |
|---|---|
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.739722 |
| Longitude: | -77.508056 |
| | |
| Emission Year: | 2021 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | Not reported |
| FIPS Code: | Manassas City |
| City/County: | 683 |
| Pollutant Name: | Not reported |
| Pollutant Short Name: | Not reported |
| Value (tons/year): | Not reported |
| Federal Classification: | Synthetic Minor |
| NAICS Primary Code: | 221112 |
| CO: | 5.3105 |
| NH3: | 0 |
| NOX: | 25.9837 |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | 0.5394 |
| VOC: | 0.5394 |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | Not reported |
| Longitude: | Not reported |
| | |
| Emission Year: | 2019 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | Not reported |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Not reported |
| Pollutant Short Name: | Not reported |
| Value (tons/year): | Not reported |
| Federal Classification: | Synthetic Minor |
| NAICS Primary Code: | 221112 |
| CO: | 3.01 |
| NH3: | 0.00 |
| NOX: | 14.17 |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | 0.30 |
| VOC: | 0.30 |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | Not reported |
| Longitude: | Not reported |

**MANASSAS CITY VMEA (Continued)** **S105095294**

| | |
|---|---|
| Emission Year: | 2018 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | Not reported |
| City/County: | Manassas City |
| Pollutant Name: | Particulate Matter 2.5 |
| Pollutant Short Name: | PM 2.5 |
| Value (tons/year): | 0.088325776 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.739722 |
| Longitude: | -77.508056 |

| | |
|---|---|
| Emission Year: | 2018 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | Not reported |
| City/County: | Manassas City |
| Pollutant Name: | Sulfur Dioxide |
| Pollutant Short Name: | SO2 |
| Value (tons/year): | 0.0020453412 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.739722 |
| Longitude: | -77.508056 |

| | |
|---|---|
| Emission Year: | 2016 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Particulate Matter 2.5 |
| Pollutant Short Name: | PM 2.5 |
| Value (tons/year): | 0.0975725318 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |

**MANASSAS CITY VMEA (Continued)** **S105095294**

| | |
|---|---|
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.739722 |
| Longitude: | -77.508056 |
| | |
| Emission Year: | 2016 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Nitrogen Oxide |
| Pollutant Short Name: | NOX |
| Value (tons/year): | 4.5325878396 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.739722 |
| Longitude: | -77.508056 |
| | |
| Emission Year: | 2016 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Particulate Matter |
| Pollutant Short Name: | PM |
| Value (tons/year): | 0.0975725318 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.739722 |
| Longitude: | -77.508056 |

**MANASSAS CITY VMEA (Continued)** **S105095294**

| | |
|---|---|
| Emission Year: | 2016 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Volatile Organic Compounds |
| Pollutant Short Name: | VOC |
| Value (tons/year): | 0.136559366 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.739722 |
| Longitude: | -77.508056 |

| | |
|---|---|
| Emission Year: | 2016 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Sulfur Dioxide |
| Pollutant Short Name: | SO2 |
| Value (tons/year): | 0.7426980408 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.739722 |
| Longitude: | -77.508056 |

| | |
|---|---|
| Emission Year: | 2016 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Carbon Monoxide |
| Pollutant Short Name: | CO |
| Value (tons/year): | 0.9740444841 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |

**MANASSAS CITY VMEA (Continued)** **S105095294**

| | |
|---|---|
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.739722 |
| Longitude: | -77.508056 |

| | |
|---|---|
| Emission Year: | 2016 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Particulate Matter 10 |
| Pollutant Short Name: | PM 10 |
| Value (tons/year): | 0.0975725318 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.739722 |
| Longitude: | -77.508056 |

| | |
|---|---|
| Facility ID: | 200000076702 |
| Name: | MANASSAS CITY VMEA |
| Address: | 9898 GODWIN DR |
| Address 2: | Not reported |
| Address 3: | Not reported |
| City,State,Zip: | MANASSAS, VA 20110 |
| Application Number: | 2 |
| Mailing Address: | PO Box 560 |
| Mailing Address 3: | Not reported |
| Mailing Address 2: | Not reported |
| Mailing City: | Manassas |
| Mailing State: | VA |
| Mailing Zip Code: | 20110 |
| Region: | NRO |
| Program Type: | Article 1 - Title V |
| Issued Date: | 12/21/2011 |
| Owner Name: | James Bower |
| Owner Tele: | 7032578354 |
| Owner Title: | System Operations & Generation Supervisor |
| Permit Type: | RENEWAL |
| Owner Email: | JBower@ci.manassas.va.us |

**MANASSAS CITY VMEA (Continued)** **S105095294**

| | |
|---|---|
| Operation Status: | Operating |
| Facility Full Name: | City of Manassas/VMEA |
| ICIS Federal ID: | VA0000005168300090 |
| Currently Active (Y/N): | Y |
| Primary Program/Permit Type Description: | Renewal of Title V Permit |
| Permit Status: | Expired |
| Latitude: | 38.739722 |
| Longitude: | -77.508056 |

AIRS:

| | |
|---|---|
| Registration Number: | 71977 |
| Contact Name: | James A Bower |
| Contact Address: | 8500 Public Works Drive |
| Contact Address 2: | Not reported |
| Contact City,State,Zip: | Manassas, VA 20110 |
| Contact Country: | Not reported |
| Contact Email: | JBower@ci.manassas.va.us |
| Contact Mobile: | Not reported |
| Contact Fax: | Not reported |
| Contact Telephone: | 7032578354 |
| Contact Telephone 2: | Not reported |
| Contact Title: | System Operations & Generation Supervisor |
| Contact Company: | City of Manassas Utilities Department |
| Mail Stop: | Not reported |
| Comments: | Not reported |
| Purpose: | Annual Update Contact, Compliance Contact, Permit Fee Contact |

| | |
|---|---|
| Registration Number: | 71977 |
| Contact Name: | Ms Juanita Lopez |
| Contact Address: | Not reported |
| Contact Address 2: | Not reported |
| Contact City,State,Zip: | VA |
| Contact Country: | Not reported |
| Contact Email: | jlopez@ci.manassas.va.us |
| Contact Mobile: | Not reported |
| Contact Fax: | Not reported |
| Contact Telephone: | 7032578358 |
| Contact Telephone 2: | Not reported |
| Contact Title: | Not reported |
| Contact Company: | Not reported |
| Mail Stop: | Not reported |
| Comments: | Not reported |
| Purpose: | Compliance Contact |

| | |
|---|---|
| Registration Number: | 71977 |
| Contact Name: | David T Jones P.E. |
| Contact Address: | Not reported |
| Contact Address 2: | Not reported |
| Contact City,State,Zip: | VA |
| Contact Country: | Not reported |
| Contact Email: | Not reported |
| Contact Mobile: | Not reported |
| Contact Fax: | Not reported |
| Contact Telephone: | 7032578474 |
| Contact Telephone 2: | Not reported |
| Contact Title: | Acting Deputy Director of Electric |
| Contact Company: | Not reported |
| Mail Stop: | Not reported |

**MANASSAS CITY VMEA (Continued)** **S105095294**

| | |
|---|---|
| Comments: | Not reported |
| Purpose: | Compliance Contact |

AIRS:

| | |
|---|---|
| Emission Year: | 2022 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | Not reported |
| FIPS Code: | 683 |
| City/County: | Manassas |
| Pollutant Name: | Not reported |
| Pollutant Short Name: | Not reported |
| Value (tons/year): | Not reported |
| Federal Classification: | Synthetic Minor |
| NAICS Primary Code: | 221112 |
| CO: | 5.737861417 |
| NH3: | Not reported |
| NOX: | 28.8543687 |
| PM 10: | Not reported |
| PM 2.5: | 0.583136661 |
| SO2: | 0.602305174 |
| VOC: | 0.602305174 |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | Not reported |
| Longitude: | Not reported |

| | |
|---|---|
| Emission Year: | 2022 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | Not reported |
| FIPS Code: | 683 |
| City/County: | Manassas |
| Pollutant Name: | Not reported |
| Pollutant Short Name: | Not reported |
| Value (tons/year): | Not reported |
| Federal Classification: | Synthetic Minor |
| NAICS Primary Code: | 221112 |
| CO: | 5.737861417 |
| NH3: | Not reported |
| NOX: | 28.8543687 |
| PM 10: | Not reported |
| PM 2.5: | 0.583136661 |
| SO2: | 0.602305174 |
| VOC: | 0.602305174 |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | Not reported |
| Longitude: | Not reported |

| | |
|---|---|
| Emission Year: | 2021 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | Not reported |
| FIPS Code: | Manassas City |
| City/County: | 683 |
| Pollutant Name: | Not reported |

**MANASSAS CITY VMEA (Continued)** **S105095294**

| | |
|---|---|
| Pollutant Short Name: | Not reported |
| Value (tons/year): | Not reported |
| Federal Classification: | Synthetic Minor |
| NAICS Primary Code: | 221112 |
| CO: | 5.31050 |
| NH3: | 0.00000 |
| NOX: | 25.98370 |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | 0.53940 |
| VOC: | 0.53940 |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | Not reported |
| Longitude: | Not reported |

| | |
|---|---|
| Emission Year: | 2018 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | Not reported |
| City/County: | Manassas City |
| Pollutant Name: | Particulate Matter 10 |
| Pollutant Short Name: | PM 10 |
| Value (tons/year): | 0.088325776 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.739722 |
| Longitude: | -77.508056 |

| | |
|---|---|
| Emission Year: | 2013 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Nitrogen Oxide |
| Pollutant Short Name: | NOX |
| Value (tons/year): | 5.707021101 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |

**MANASSAS CITY VMEA (Continued)** **S105095294**

| | |
|---|---|
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.739722 |
| Longitude: | -77.508056 |
| | |
| Emission Year: | 2013 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Particulate Matter |
| Pollutant Short Name: | PM |
| Value (tons/year): | 0.125780462 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.739722 |
| Longitude: | -77.508056 |
| | |
| Emission Year: | 2013 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Volatile Organic Compounds |
| Pollutant Short Name: | VOC |
| Value (tons/year): | 0.172101484 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.739722 |
| Longitude: | -77.508056 |
| | |
| Emission Year: | 2013 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |

**MANASSAS CITY VMEA (Continued)** **S105095294**

| | |
|---|---|
| Pollutant Name: | Sulfur Dioxide |
| Pollutant Short Name: | SO2 |
| Value (tons/year): | 0.965666477 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.739722 |
| Longitude: | -77.508056 |

| | |
|---|---|
| Emission Year: | 2013 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Carbon Monoxide |
| Pollutant Short Name: | CO |
| Value (tons/year): | 1.266567969 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.739722 |
| Longitude: | -77.508056 |

| | |
|---|---|
| Emission Year: | 2013 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Particulate Matter 10 |
| Pollutant Short Name: | PM 10 |
| Value (tons/year): | 0.125780462 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |

**MANASSAS CITY VMEA (Continued)** **S105095294**

| | |
|---|---|
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.739722 |
| Longitude: | -77.508056 |
| | |
| Emission Year: | 2013 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Particulate Matter 2.5 |
| Pollutant Short Name: | PM 2.5 |
| Value (tons/year): | 0.125780462 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.739722 |
| Longitude: | -77.508056 |
| | |
| Emission Year: | 2018 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | Not reported |
| City/County: | Manassas City |
| Pollutant Name: | Volatile Organic Compounds |
| Pollutant Short Name: | VOC |
| Value (tons/year): | 0.1228476195 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.739722 |
| Longitude: | -77.508056 |
| | |
| Emission Year: | 2018 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | Not reported |

**MANASSAS CITY VMEA (Continued)** **S105095294**

| | |
|---|---|
| City/County: | Manassas City |
| Pollutant Name: | Carbon Monoxide |
| Pollutant Short Name: | CO |
| Value (tons/year): | 0.883874837 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.739722 |
| Longitude: | -77.508056 |

| | |
|---|---|
| Emission Year: | 2015 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Carbon Monoxide |
| Pollutant Short Name: | CO |
| Value (tons/year): | 2.6344219655 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.739722 |
| Longitude: | -77.508056 |

| | |
|---|---|
| Emission Year: | 2015 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Particulate Matter 10 |
| Pollutant Short Name: | PM 10 |
| Value (tons/year): | 0.263231619 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |

**MANASSAS CITY VMEA (Continued)** **S105095294**

| | |
|---|---|
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.739722 |
| Longitude: | -77.508056 |
| | |
| Emission Year: | 2015 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Particulate Matter 2.5 |
| Pollutant Short Name: | PM 2.5 |
| Value (tons/year): | 0.263231619 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.739722 |
| Longitude: | -77.508056 |
| | |
| Emission Year: | 2015 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Nitrogen Oxide |
| Pollutant Short Name: | NOX |
| Value (tons/year): | 12.14545825 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.739722 |
| Longitude: | -77.508056 |
| | |
| Emission Year: | 2015 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |

**MANASSAS CITY VMEA (Continued)** **S105095294**

| | |
|---|---|
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Particulate Matter |
| Pollutant Short Name: | PM |
| Value (tons/year): | 0.263231619 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.739722 |
| Longitude: | -77.508056 |

| | |
|---|---|
| Emission Year: | 2015 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Volatile Organic Compounds |
| Pollutant Short Name: | VOC |
| Value (tons/year): | 0.3660187705 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.739722 |
| Longitude: | -77.508056 |

| | |
|---|---|
| Emission Year: | 2015 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Sulfur Dioxide |
| Pollutant Short Name: | SO2 |
| Value (tons/year): | 2.0086702715 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |

**MANASSAS CITY VMEA (Continued)** **S105095294**

| | |
|---|---|
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.739722 |
| Longitude: | -77.508056 |
| | |
| Emission Year: | 2014 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Carbon Monoxide |
| Pollutant Short Name: | CO |
| Value (tons/year): | 1.5094709515 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.739722 |
| Longitude: | -77.508056 |
| | |
| Emission Year: | 2014 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Particulate Matter 10 |
| Pollutant Short Name: | PM 10 |
| Value (tons/year): | 0.151917247 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.739722 |
| Longitude: | -77.508056 |
| | |
| Emission Year: | 2014 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |

**MANASSAS CITY VMEA (Continued)** **S105095294**

| | |
|---|---|
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Particulate Matter 2.5 |
| Pollutant Short Name: | PM 2.5 |
| Value (tons/year): | 0.151917247 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.739722 |
| Longitude: | -77.508056 |

| | |
|---|---|
| Emission Year: | 2014 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Nitrogen Oxide |
| Pollutant Short Name: | NOX |
| Value (tons/year): | 7.1451928435 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.739722 |
| Longitude: | -77.508056 |

| | |
|---|---|
| Emission Year: | 2014 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Particulate Matter |
| Pollutant Short Name: | PM |
| Value (tons/year): | 0.151917247 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |

**MANASSAS CITY VMEA (Continued)** **S105095294**

| | |
|---|---|
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.739722 |
| Longitude: | -77.508056 |
| | |
| Emission Year: | 2014 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Volatile Organic Compounds |
| Pollutant Short Name: | VOC |
| Value (tons/year): | 0.2151701665 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.739722 |
| Longitude: | -77.508056 |
| | |
| Emission Year: | 2014 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Sulfur Dioxide |
| Pollutant Short Name: | SO2 |
| Value (tons/year): | 1.1510049455 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.739722 |
| Longitude: | -77.508056 |
| | |
| Emission Year: | 2018 |
| Registration No: | 71977 |

**MANASSAS CITY VMEA (Continued)** **S105095294**

| | |
|---|---|
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | Not reported |
| City/County: | Manassas City |
| Pollutant Name: | Nitrogen Oxide |
| Pollutant Short Name: | NOX |
| Value (tons/year): | 4.076448023 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.739722 |
| Longitude: | -77.508056 |

| | |
|---|---|
| Emission Year: | 2018 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | Not reported |
| City/County: | Manassas City |
| Pollutant Name: | Particulate Matter |
| Pollutant Short Name: | PM |
| Value (tons/year): | 0.088325776 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.739722 |
| Longitude: | -77.508056 |

| | |
|---|---|
| Emission Year: | 2017 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Nitrogen Oxide |
| Pollutant Short Name: | NOX |
| Value (tons/year): | 4.0764480230000002 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |

**MANASSAS CITY VMEA (Continued)** **S105095294**

| | |
|---|---|
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.739722 |
| Longitude: | -77.508056 |
| | |
| Emission Year: | 2017 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Particulate Matter |
| Pollutant Short Name: | PM |
| Value (tons/year): | 8.8325775999999995E-2 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.739722 |
| Longitude: | -77.508056 |
| | |
| Emission Year: | 2017 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Volatile Organic Compounds |
| Pollutant Short Name: | VOC |
| Value (tons/year): | 0.1228476195 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.739722 |
| Longitude: | -77.508056 |
| | |
| Emission Year: | 2017 |

**MANASSAS CITY VMEA (Continued)** **S105095294**

| | |
|---|---|
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Sulfur Dioxide |
| Pollutant Short Name: | SO2 |
| Value (tons/year): | 2.0453412000000001E-3 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.739722 |
| Longitude: | -77.508056 |

| | |
|---|---|
| Emission Year: | 2017 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Carbon Monoxide |
| Pollutant Short Name: | CO |
| Value (tons/year): | 0.88387483700000002 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.739722 |
| Longitude: | -77.508056 |

| | |
|---|---|
| Emission Year: | 2017 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Particulate Matter 10 |
| Pollutant Short Name: | PM 10 |
| Value (tons/year): | 8.8325775999999995E-2 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |

**MANASSAS CITY VMEA (Continued)** **S105095294**

| | |
|---|---|
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.739722 |
| Longitude: | -77.508056 |
| | |
| Emission Year: | 2017 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Particulate Matter 2.5 |
| Pollutant Short Name: | PM 2.5 |
| Value (tons/year): | 8.8325775999999995E-2 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.739722 |
| Longitude: | -77.508056 |
| | |
| Emission Year: | 2021 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | Not reported |
| FIPS Code: | Manassas City |
| City/County: | 683 |
| Pollutant Name: | Not reported |
| Pollutant Short Name: | Not reported |
| Value (tons/year): | Not reported |
| Federal Classification: | Synthetic Minor |
| NAICS Primary Code: | 221112 |
| CO: | 5.3105 |
| NH3: | 0 |
| NOX: | 25.9837 |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | 0.5394 |
| VOC: | 0.5394 |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | Not reported |
| Longitude: | Not reported |

**MANASSAS CITY VMEA (Continued)** **S105095294**

| | |
|---|---|
| Emission Year: | 2019 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | Not reported |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Not reported |
| Pollutant Short Name: | Not reported |
| Value (tons/year): | Not reported |
| Federal Classification: | Synthetic Minor |
| NAICS Primary Code: | 221112 |
| CO: | 3.01 |
| NH3: | 0.00 |
| NOX: | 14.17 |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | 0.30 |
| VOC: | 0.30 |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | Not reported |
| Longitude: | Not reported |

| | |
|---|---|
| Emission Year: | 2018 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | Not reported |
| City/County: | Manassas City |
| Pollutant Name: | Particulate Matter 2.5 |
| Pollutant Short Name: | PM 2.5 |
| Value (tons/year): | 0.088325776 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.739722 |
| Longitude: | -77.508056 |

| | |
|---|---|
| Emission Year: | 2018 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | Not reported |
| City/County: | Manassas City |
| Pollutant Name: | Sulfur Dioxide |
| Pollutant Short Name: | SO2 |
| Value (tons/year): | 0.0020453412 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |

**MANASSAS CITY VMEA (Continued)** **S105095294**

| | |
|---|---|
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.739722 |
| Longitude: | -77.508056 |
| | |
| Emission Year: | 2016 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Particulate Matter 2.5 |
| Pollutant Short Name: | PM 2.5 |
| Value (tons/year): | 0.0975725318 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.739722 |
| Longitude: | -77.508056 |
| | |
| Emission Year: | 2016 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Nitrogen Oxide |
| Pollutant Short Name: | NOX |
| Value (tons/year): | 4.5325878396 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.739722 |
| Longitude: | -77.508056 |

**MANASSAS CITY VMEA (Continued)** **S105095294**

| | |
|---|---|
| Emission Year: | 2016 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Particulate Matter |
| Pollutant Short Name: | PM |
| Value (tons/year): | 0.0975725318 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.739722 |
| Longitude: | -77.508056 |

| | |
|---|---|
| Emission Year: | 2016 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Volatile Organic Compounds |
| Pollutant Short Name: | VOC |
| Value (tons/year): | 0.136559366 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.739722 |
| Longitude: | -77.508056 |

| | |
|---|---|
| Emission Year: | 2016 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Sulfur Dioxide |
| Pollutant Short Name: | SO2 |
| Value (tons/year): | 0.7426980408 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |

**MANASSAS CITY VMEA (Continued)** **S105095294**

| | |
|---|---|
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.739722 |
| Longitude: | -77.508056 |
| | |
| Emission Year: | 2016 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Carbon Monoxide |
| Pollutant Short Name: | CO |
| Value (tons/year): | 0.9740444841 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.739722 |
| Longitude: | -77.508056 |
| | |
| Emission Year: | 2016 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Particulate Matter 10 |
| Pollutant Short Name: | PM 10 |
| Value (tons/year): | 0.0975725318 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.739722 |
| Longitude: | -77.508056 |

**MANASSAS CITY VMEA (Continued)** **S105095294**

| | |
|---|---|
| Facility ID: | 200000076702 |
| Name: | MANASSAS CITY VMEA |
| Address: | 9898 GODWIN DR |
| Address 2: | Not reported |
| Address 3: | Not reported |
| City,State,Zip: | MANASSAS, VA 20110 |
| Application Number: | 6 |
| Mailing Address: | PO Box 560 |
| Mailing Address 3: | Not reported |
| Mailing Address 2: | Not reported |
| Mailing City: | Manassas |
| Mailing State: | VA |
| Mailing Zip Code: | 20110 |
| Region: | NRO |
| Program Type: | Article 6 - mNSR |
| Issued Date: | 07/31/2017 |
| Owner Name: | James Bower |
| Owner Tele: | 7032578354 |
| Owner Title: | System Operations & Generation Supervisor |
| Permit Type: | MINOR-NOPUBINT |
| Owner Email: | JBower@ci.manassas.va.us |
| Operation Status: | Operating |
| Facility Full Name: | City of Manassas/VMEA |
| ICIS Federal ID: | VA0000005168300090 |
| Currently Active (Y/N): | Y |
| Primary Program/Permit Type Description: | Minor NSR Permit for Project or New Stationary Source without public interest (9 VAC 5-80-1170 D4) |
| Permit Status: | Issued |
| Latitude: | 38.739722 |
| Longitude: | -77.508056 |

AIRS:

| | |
|---|---|
| Registration Number: | 71977 |
| Contact Name: | James A Bower |
| Contact Address: | 8500 Public Works Drive |
| Contact Address 2: | Not reported |
| Contact City,State,Zip: | Manassas, VA 20110 |
| Contact Country: | Not reported |
| Contact Email: | JBower@ci.manassas.va.us |
| Contact Mobile: | Not reported |
| Contact Fax: | Not reported |
| Contact Telephone: | 7032578354 |
| Contact Telephone 2: | Not reported |
| Contact Title: | System Operations & Generation Supervisor |
| Contact Company: | City of Manassas Utilities Department |
| Mail Stop: | Not reported |
| Comments: | Not reported |
| Purpose: | Annual Update Contact, Compliance Contact, Permit Fee Contact |

| | |
|---|---|
| Registration Number: | 71977 |
| Contact Name: | Ms Juanita Lopez |
| Contact Address: | Not reported |
| Contact Address 2: | Not reported |
| Contact City,State,Zip: | VA |
| Contact Country: | Not reported |
| Contact Email: | jlopez@ci.manassas.va.us |
| Contact Mobile: | Not reported |
| Contact Fax: | Not reported |

**MANASSAS CITY VMEA (Continued)** **S105095294**

| | |
|---|---|
| Contact Telephone: | 7032578358 |
| Contact Telephone 2: | Not reported |
| Contact Title: | Not reported |
| Contact Company: | Not reported |
| Mail Stop: | Not reported |
| Comments: | Not reported |
| Purpose: | Compliance Contact |
| | |
| Registration Number: | 71977 |
| Contact Name: | David T Jones P.E. |
| Contact Address: | Not reported |
| Contact Address 2: | Not reported |
| Contact City,State,Zip: | VA |
| Contact Country: | Not reported |
| Contact Email: | Not reported |
| Contact Mobile: | Not reported |
| Contact Fax: | Not reported |
| Contact Telephone: | 7032578474 |
| Contact Telephone 2: | Not reported |
| Contact Title: | Acting Deputy Director of Electric |
| Contact Company: | Not reported |
| Mail Stop: | Not reported |
| Comments: | Not reported |
| Purpose: | Compliance Contact |

AIRS:

| | |
|---|---|
| Emission Year: | 2022 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | Not reported |
| FIPS Code: | 683 |
| City/County: | Manassas |
| Pollutant Name: | Not reported |
| Pollutant Short Name: | Not reported |
| Value (tons/year): | Not reported |
| Federal Classification: | Synthetic Minor |
| NAICS Primary Code: | 221112 |
| CO: | 5.737861417 |
| NH3: | Not reported |
| NOX: | 28.8543687 |
| PM 10: | Not reported |
| PM 2.5: | 0.583136661 |
| SO2: | 0.602305174 |
| VOC: | 0.602305174 |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | Not reported |
| Longitude: | Not reported |
| | |
| Emission Year: | 2022 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | Not reported |
| FIPS Code: | 683 |
| City/County: | Manassas |
| Pollutant Name: | Not reported |
| Pollutant Short Name: | Not reported |

**MANASSAS CITY VMEA (Continued)** **S105095294**

| | |
|---|---|
| Value (tons/year): | Not reported |
| Federal Classification: | Synthetic Minor |
| NAICS Primary Code: | 221112 |
| CO: | 5.737861417 |
| NH3: | Not reported |
| NOX: | 28.8543687 |
| PM 10: | Not reported |
| PM 2.5: | 0.583136661 |
| SO2: | 0.602305174 |
| VOC: | 0.602305174 |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | Not reported |
| Longitude: | Not reported |
| | |
| Emission Year: | 2021 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | Not reported |
| FIPS Code: | Manassas City |
| City/County: | 683 |
| Pollutant Name: | Not reported |
| Pollutant Short Name: | Not reported |
| Value (tons/year): | Not reported |
| Federal Classification: | Synthetic Minor |
| NAICS Primary Code: | 221112 |
| CO: | 5.31050 |
| NH3: | 0.00000 |
| NOX: | 25.98370 |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | 0.53940 |
| VOC: | 0.53940 |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | Not reported |
| Longitude: | Not reported |
| | |
| Emission Year: | 2018 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | Not reported |
| City/County: | Manassas City |
| Pollutant Name: | Particulate Matter 10 |
| Pollutant Short Name: | PM 10 |
| Value (tons/year): | 0.088325776 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |

**MANASSAS CITY VMEA (Continued)** **S105095294**

| | |
|---|---|
| PB: | Not reported |
| Latitude: | 38.739722 |
| Longitude: | -77.508056 |
| | |
| Emission Year: | 2013 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Nitrogen Oxide |
| Pollutant Short Name: | NOX |
| Value (tons/year): | 5.707021101 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.739722 |
| Longitude: | -77.508056 |
| | |
| Emission Year: | 2013 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Particulate Matter |
| Pollutant Short Name: | PM |
| Value (tons/year): | 0.125780462 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.739722 |
| Longitude: | -77.508056 |
| | |
| Emission Year: | 2013 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Volatile Organic Compounds |

**MANASSAS CITY VMEA (Continued)** **S105095294**

| | |
|---|---|
| Pollutant Short Name: | VOC |
| Value (tons/year): | 0.172101484 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.739722 |
| Longitude: | -77.508056 |

| | |
|---|---|
| Emission Year: | 2013 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Sulfur Dioxide |
| Pollutant Short Name: | SO2 |
| Value (tons/year): | 0.965666477 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.739722 |
| Longitude: | -77.508056 |

| | |
|---|---|
| Emission Year: | 2013 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Carbon Monoxide |
| Pollutant Short Name: | CO |
| Value (tons/year): | 1.266567969 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |

**MANASSAS CITY VMEA (Continued)** **S105095294**

| | |
|---|---|
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.739722 |
| Longitude: | -77.508056 |
| | |
| Emission Year: | 2013 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Particulate Matter 10 |
| Pollutant Short Name: | PM 10 |
| Value (tons/year): | 0.125780462 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.739722 |
| Longitude: | -77.508056 |
| | |
| Emission Year: | 2013 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Particulate Matter 2.5 |
| Pollutant Short Name: | PM 2.5 |
| Value (tons/year): | 0.125780462 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.739722 |
| Longitude: | -77.508056 |
| | |
| Emission Year: | 2018 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | Not reported |
| City/County: | Manassas City |

**MANASSAS CITY VMEA (Continued)** **S105095294**

| | |
|---|---|
| Pollutant Name: | Volatile Organic Compounds |
| Pollutant Short Name: | VOC |
| Value (tons/year): | 0.1228476195 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.739722 |
| Longitude: | -77.508056 |
| | |
| Emission Year: | 2018 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | Not reported |
| City/County: | Manassas City |
| Pollutant Name: | Carbon Monoxide |
| Pollutant Short Name: | CO |
| Value (tons/year): | 0.883874837 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.739722 |
| Longitude: | -77.508056 |
| | |
| Emission Year: | 2015 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Carbon Monoxide |
| Pollutant Short Name: | CO |
| Value (tons/year): | 2.6344219655 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |

**MANASSAS CITY VMEA (Continued)** **S105095294**

| | |
|---|---|
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.739722 |
| Longitude: | -77.508056 |
| | |
| Emission Year: | 2015 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Particulate Matter 10 |
| Pollutant Short Name: | PM 10 |
| Value (tons/year): | 0.263231619 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.739722 |
| Longitude: | -77.508056 |
| | |
| Emission Year: | 2015 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Particulate Matter 2.5 |
| Pollutant Short Name: | PM 2.5 |
| Value (tons/year): | 0.263231619 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.739722 |
| Longitude: | -77.508056 |
| | |
| Emission Year: | 2015 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |

**MANASSAS CITY VMEA (Continued)** **S105095294**

| | |
|---|---|
| City/County: | Manassas City |
| Pollutant Name: | Nitrogen Oxide |
| Pollutant Short Name: | NOX |
| Value (tons/year): | 12.14545825 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.739722 |
| Longitude: | -77.508056 |

| | |
|---|---|
| Emission Year: | 2015 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Particulate Matter |
| Pollutant Short Name: | PM |
| Value (tons/year): | 0.263231619 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.739722 |
| Longitude: | -77.508056 |

| | |
|---|---|
| Emission Year: | 2015 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Volatile Organic Compounds |
| Pollutant Short Name: | VOC |
| Value (tons/year): | 0.3660187705 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |

**MANASSAS CITY VMEA (Continued)** **S105095294**

| | |
|---|---|
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.739722 |
| Longitude: | -77.508056 |
| | |
| Emission Year: | 2015 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Sulfur Dioxide |
| Pollutant Short Name: | SO2 |
| Value (tons/year): | 2.0086702715 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.739722 |
| Longitude: | -77.508056 |
| | |
| Emission Year: | 2014 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Carbon Monoxide |
| Pollutant Short Name: | CO |
| Value (tons/year): | 1.5094709515 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.739722 |
| Longitude: | -77.508056 |
| | |
| Emission Year: | 2014 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |

**MANASSAS CITY VMEA (Continued)** **S105095294**

| | |
|---|---|
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Particulate Matter 10 |
| Pollutant Short Name: | PM 10 |
| Value (tons/year): | 0.151917247 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.739722 |
| Longitude: | -77.508056 |

| | |
|---|---|
| Emission Year: | 2014 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Particulate Matter 2.5 |
| Pollutant Short Name: | PM 2.5 |
| Value (tons/year): | 0.151917247 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.739722 |
| Longitude: | -77.508056 |

| | |
|---|---|
| Emission Year: | 2014 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Nitrogen Oxide |
| Pollutant Short Name: | NOX |
| Value (tons/year): | 7.1451928435 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |

**MANASSAS CITY VMEA (Continued)** **S105095294**

| | |
|---|---|
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.739722 |
| Longitude: | -77.508056 |
| | |
| Emission Year: | 2014 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Particulate Matter |
| Pollutant Short Name: | PM |
| Value (tons/year): | 0.151917247 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.739722 |
| Longitude: | -77.508056 |
| | |
| Emission Year: | 2014 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Volatile Organic Compounds |
| Pollutant Short Name: | VOC |
| Value (tons/year): | 0.2151701665 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.739722 |
| Longitude: | -77.508056 |
| | |
| Emission Year: | 2014 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |

**MANASSAS CITY VMEA (Continued)** **S105095294**

| | |
|---|---|
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Sulfur Dioxide |
| Pollutant Short Name: | SO2 |
| Value (tons/year): | 1.1510049455 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.739722 |
| Longitude: | -77.508056 |

| | |
|---|---|
| Emission Year: | 2018 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | Not reported |
| City/County: | Manassas City |
| Pollutant Name: | Nitrogen Oxide |
| Pollutant Short Name: | NOX |
| Value (tons/year): | 4.076448023 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.739722 |
| Longitude: | -77.508056 |

| | |
|---|---|
| Emission Year: | 2018 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | Not reported |
| City/County: | Manassas City |
| Pollutant Name: | Particulate Matter |
| Pollutant Short Name: | PM |
| Value (tons/year): | 0.088325776 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |

**MANASSAS CITY VMEA (Continued)** **S105095294**

| | |
|---|---|
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.739722 |
| Longitude: | -77.508056 |
| | |
| Emission Year: | 2017 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Nitrogen Oxide |
| Pollutant Short Name: | NOX |
| Value (tons/year): | 4.0764480230000002 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.739722 |
| Longitude: | -77.508056 |
| | |
| Emission Year: | 2017 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Particulate Matter |
| Pollutant Short Name: | PM |
| Value (tons/year): | 8.8325775999999995E-2 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.739722 |
| Longitude: | -77.508056 |
| | |
| Emission Year: | 2017 |
| Registration No: | 71977 |

**MANASSAS CITY VMEA (Continued)** **S105095294**

| | |
|---|---|
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Volatile Organic Compounds |
| Pollutant Short Name: | VOC |
| Value (tons/year): | 0.1228476195 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.739722 |
| Longitude: | -77.508056 |

| | |
|---|---|
| Emission Year: | 2017 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Sulfur Dioxide |
| Pollutant Short Name: | SO2 |
| Value (tons/year): | 2.0453412000000001E-3 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.739722 |
| Longitude: | -77.508056 |

| | |
|---|---|
| Emission Year: | 2017 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Carbon Monoxide |
| Pollutant Short Name: | CO |
| Value (tons/year): | 0.88387483700000002 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |

**MANASSAS CITY VMEA (Continued)** **S105095294**

| | |
|---|---|
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.739722 |
| Longitude: | -77.508056 |
| | |
| Emission Year: | 2017 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Particulate Matter 10 |
| Pollutant Short Name: | PM 10 |
| Value (tons/year): | 8.8325775999999995E-2 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.739722 |
| Longitude: | -77.508056 |
| | |
| Emission Year: | 2017 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Particulate Matter 2.5 |
| Pollutant Short Name: | PM 2.5 |
| Value (tons/year): | 8.8325775999999995E-2 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.739722 |
| Longitude: | -77.508056 |
| | |
| Emission Year: | 2021 |

**MANASSAS CITY VMEA (Continued)** **S105095294**

| | |
|---|---|
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | Not reported |
| FIPS Code: | Manassas City |
| City/County: | 683 |
| Pollutant Name: | Not reported |
| Pollutant Short Name: | Not reported |
| Value (tons/year): | Not reported |
| Federal Classification: | Synthetic Minor |
| NAICS Primary Code: | 221112 |
| CO: | 5.3105 |
| NH3: | 0 |
| NOX: | 25.9837 |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | 0.5394 |
| VOC: | 0.5394 |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | Not reported |
| Longitude: | Not reported |

| | |
|---|---|
| Emission Year: | 2019 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | Not reported |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Not reported |
| Pollutant Short Name: | Not reported |
| Value (tons/year): | Not reported |
| Federal Classification: | Synthetic Minor |
| NAICS Primary Code: | 221112 |
| CO: | 3.01 |
| NH3: | 0.00 |
| NOX: | 14.17 |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | 0.30 |
| VOC: | 0.30 |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | Not reported |
| Longitude: | Not reported |

| | |
|---|---|
| Emission Year: | 2018 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | Not reported |
| City/County: | Manassas City |
| Pollutant Name: | Particulate Matter 2.5 |
| Pollutant Short Name: | PM 2.5 |
| Value (tons/year): | 0.088325776 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |

**MANASSAS CITY VMEA (Continued)** **S105095294**

| | |
|---|---|
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.739722 |
| Longitude: | -77.508056 |
| | |
| Emission Year: | 2018 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | Not reported |
| City/County: | Manassas City |
| Pollutant Name: | Sulfur Dioxide |
| Pollutant Short Name: | SO2 |
| Value (tons/year): | 0.0020453412 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.739722 |
| Longitude: | -77.508056 |
| | |
| Emission Year: | 2016 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Particulate Matter 2.5 |
| Pollutant Short Name: | PM 2.5 |
| Value (tons/year): | 0.0975725318 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.739722 |
| Longitude: | -77.508056 |

**MANASSAS CITY VMEA (Continued)** **S105095294**

| | |
|---|---|
| Emission Year: | 2016 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Nitrogen Oxide |
| Pollutant Short Name: | NOX |
| Value (tons/year): | 4.5325878396 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.739722 |
| Longitude: | -77.508056 |

| | |
|---|---|
| Emission Year: | 2016 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Particulate Matter |
| Pollutant Short Name: | PM |
| Value (tons/year): | 0.0975725318 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.739722 |
| Longitude: | -77.508056 |

| | |
|---|---|
| Emission Year: | 2016 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Volatile Organic Compounds |
| Pollutant Short Name: | VOC |
| Value (tons/year): | 0.136559366 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |

**MANASSAS CITY VMEA (Continued)** **S105095294**

| | |
|---|---|
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.739722 |
| Longitude: | -77.508056 |
| | |
| Emission Year: | 2016 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Sulfur Dioxide |
| Pollutant Short Name: | SO2 |
| Value (tons/year): | 0.7426980408 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.739722 |
| Longitude: | -77.508056 |
| | |
| Emission Year: | 2016 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Carbon Monoxide |
| Pollutant Short Name: | CO |
| Value (tons/year): | 0.9740444841 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.739722 |
| Longitude: | -77.508056 |

**MANASSAS CITY VMEA (Continued)** **S105095294**

| | |
|---|---|
| Emission Year: | 2016 |
| Registration No: | 71977 |
| SIC Primary Code: | 4911 |
| SIC Primary Description: | ELECTRICAL SERVICES |
| FIPS Code: | 683 |
| City/County: | Manassas City |
| Pollutant Name: | Particulate Matter 10 |
| Pollutant Short Name: | PM 10 |
| Value (tons/year): | 0.0975725318 |
| Federal Classification: | Not reported |
| NAICS Primary Code: | Not reported |
| CO: | Not reported |
| NH3: | Not reported |
| NOX: | Not reported |
| PM 10: | Not reported |
| PM 2.5: | Not reported |
| SO2: | Not reported |
| VOC: | Not reported |
| PM: | Not reported |
| PB: | Not reported |
| Latitude: | 38.739722 |
| Longitude: | -77.508056 |

---

**89**
**NW**
**1/4-1/2**
**0.479 mi.**
**2527 ft.**

**AMERICAN PECCO CORP.**
**10108 RESIDENCY RD**
**MANASSAS, VA 22110**

**SEMS-ARCHIVE** **1003866042**
**VAD048581300**

**Actual:**
**220 ft.**

**Focus Map:**
**2**

SEMS Archive:

| | |
|---|---|
| Site ID: | 0302575 |
| EPA ID: | VAD048581300 |
| Name: | AMERICAN PECCO CORP. |
| Address: | 10108 RESIDENCY RD |
| Address 2: | Not reported |
| City,State,Zip: | MANASSAS, VA 22110 |
| Cong District: | 07 |
| FIPS Code: | 51683 |
| FF: | N |
| NPL: | Not on the NPL |
| Non NPL Status: | NFRAP-Site does not qualify for the NPL based on existing information |

SEMS Archive Detail:

| | |
|---|---|
| Region: | 03 |
| Site ID: | 0302575 |
| EPA ID: | VAD048581300 |
| Site Name: | AMERICAN PECCO CORP. |
| NPL: | N |
| FF: | N |
| OU: | 00 |
| Action Code: | PA |
| Action Name: | PA |
| SEQ: | 1 |
| Start Date: | 1986-11-03 05:00:00 |
| Finish Date: | 1986-11-03 05:00:00 |
| Qual: | N |
| Current Action Lead: | St Perf |

**AMERICAN PECCO CORP. (Continued)** **1003866042**

| | |
|---|---|
| Region: | 03 |
| Site ID: | 0302575 |
| EPA ID: | VAD048581300 |
| Site Name: | AMERICAN PECCO CORP. |
| NPL: | N |
| FF: | N |
| OU: | 00 |
| Action Code: | DS |
| Action Name: | DISCVRY |
| SEQ: | 1 |
| Start Date: | 1986-08-22 04:00:00 |
| Finish Date: | 1986-08-22 04:00:00 |
| Qual: | Not reported |
| Current Action Lead: | EPA Perf |

| | |
|---|---|
| Region: | 03 |
| Site ID: | 0302575 |
| EPA ID: | VAD048581300 |
| Site Name: | AMERICAN PECCO CORP. |
| NPL: | N |
| FF: | N |
| OU: | 00 |
| Action Code: | VS |
| Action Name: | ARCH SITE |
| SEQ: | 1 |
| Start Date: | Not reported |
| Finish Date: | 1986-11-03 05:00:00 |
| Qual: | Not reported |
| Current Action Lead: | EPA Perf In-Hse |

Count: 10 records

ORPHAN SUMMARY

| City | EDR ID | Site Name | Site Address | Zip | Database(s) |
|---|---|---|---|---|---|
| MANASSAS | S126226098 | CONTRACTOR STORAGE LLC | 10305 10405 PIPER LN & 10236 10599 RESIDENCY RD | 20110 | VA LTANKS |
| MANASSAS | S106239963 | MANASSAS AIRPORT | 1/4 MILE OFF OBSERVATION ROAD | | VA SPILLS |
| MANASSAS | S106240124 | MANASSAS AIRPORT PUMP STATION | OBSERVATION DRIVE | | VA SPILLS |
| MANASSAS | S106240539 | HENRY'S WRECKER | WAKEMAN DR | | VA SPILLS |
| MANASSAS | S108929753 | HENRY'S AUCTION | WAKEMAN COURT | | VA SPILLS |
| MANASSAS | 1028119052 | MANASSAS CORPORATE CENTER DATA CENTER BUILDING 6 M | HARRY J PARRISH BLVD | 20110 | FINDS, ECHO |
| MANASSAS | 1031095701 | OBSERVATION ROAD RELOCATION AND DRAINAGE IMPROVEME | 10600 HARRY PARRISH BLVD | 20110 | ECHO |
| MANASSAS | S127391990 | TIRE KINGDOM WAREHOUSE #16 | 10292 HARRY J. PARISH BLVD | 20110 | VA TIER 2 |
| PRINCE WILLIAM | S103459715 | AT&T INDEPENDENT HILL | ROUTE 234 | 20112 | VA LUST |
| PRINCE WILLIAM | S104407645 | COLONIAL PIPELINE - BULL RUN | ROUTE 234 & SUDLEY MANOR DRIVE | 20109 | VA LUST |

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

**Number of Days to Update:** Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

**STANDARD ENVIRONMENTAL RECORDS**

***Lists of Federal NPL (Superfund) sites***

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 05/22/2024
Date Data Arrived at EDR: 06/03/2024
Date Made Active in Reports: 06/26/2024
Number of Days to Update: 23

Source: EPA
Telephone: N/A
Last EDR Contact: 08/01/2024
Next Scheduled EDR Contact: 10/07/2024
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 05/22/2024
Date Data Arrived at EDR: 06/03/2024
Date Made Active in Reports: 06/26/2024
Number of Days to Update: 23

Source: EPA
Telephone: N/A
Last EDR Contact: 08/01/2024
Next Scheduled EDR Contact: 10/07/2024
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

***Lists of Federal Delisted NPL sites***

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 05/22/2024
Date Data Arrived at EDR: 06/03/2024
Date Made Active in Reports: 06/26/2024
Number of Days to Update: 23

Source: EPA
Telephone: N/A
Last EDR Contact: 08/01/2024
Next Scheduled EDR Contact: 10/07/2024
Data Release Frequency: Quarterly

***Lists of Federal sites subject to CERCLA removals and CERCLA orders***

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 03/25/2024
Date Data Arrived at EDR: 03/26/2024
Date Made Active in Reports: 06/24/2024
Number of Days to Update: 90

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 06/25/2024
Next Scheduled EDR Contact: 10/07/2024
Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly know as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 04/22/2024
Date Data Arrived at EDR: 05/01/2024
Date Made Active in Reports: 05/24/2024
Number of Days to Update: 23

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 08/01/2024
Next Scheduled EDR Contact: 10/21/2024
Data Release Frequency: Quarterly

***Lists of Federal CERCLA sites with NFRAP***

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that. based upon available information, the location is not judged to be potential NPL site.

Date of Government Version: 04/22/2024
Date Data Arrived at EDR: 05/01/2024
Date Made Active in Reports: 05/24/2024
Number of Days to Update: 23

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 08/01/2024
Next Scheduled EDR Contact: 10/21/2024
Data Release Frequency: Quarterly

***Lists of Federal RCRA facilities undergoing Corrective Action***

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 06/03/2024
Date Data Arrived at EDR: 06/07/2024
Date Made Active in Reports: 06/20/2024
Number of Days to Update: 13

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 06/07/2024
Next Scheduled EDR Contact: 09/30/2024
Data Release Frequency: Quarterly

***Lists of Federal RCRA TSD facilities***

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 06/03/2024
Date Data Arrived at EDR: 06/07/2024
Date Made Active in Reports: 06/20/2024
Number of Days to Update: 13

Source: Environmental Protection Agency
Telephone: 800-438-2474
Last EDR Contact: 06/07/2024
Next Scheduled EDR Contact: 09/30/2024
Data Release Frequency: Quarterly

***Lists of Federal RCRA generators***

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 06/03/2024
Date Data Arrived at EDR: 06/07/2024
Date Made Active in Reports: 06/20/2024
Number of Days to Update: 13

Source: Environmental Protection Agency
Telephone: 800-438-2474
Last EDR Contact: 06/07/2024
Next Scheduled EDR Contact: 09/30/2024
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 06/03/2024
Date Data Arrived at EDR: 06/07/2024
Date Made Active in Reports: 06/20/2024
Number of Days to Update: 13

Source: Environmental Protection Agency
Telephone: 800-438-2474
Last EDR Contact: 06/07/2024
Next Scheduled EDR Contact: 09/30/2024
Data Release Frequency: Quarterly

RCRA-VSQG: RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Very small quantity generators (VSQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 06/03/2024
Date Data Arrived at EDR: 06/07/2024
Date Made Active in Reports: 06/20/2024
Number of Days to Update: 13

Source: Environmental Protection Agency
Telephone: 800-438-2474
Last EDR Contact: 06/07/2024
Next Scheduled EDR Contact: 09/30/2024
Data Release Frequency: Quarterly

***Federal institutional controls / engineering controls registries***

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 02/14/2024
Date Data Arrived at EDR: 02/16/2024
Date Made Active in Reports: 04/04/2024
Number of Days to Update: 48

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 07/31/2024
Next Scheduled EDR Contact: 11/18/2024
Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 02/13/2024
Date Data Arrived at EDR: 02/21/2024
Date Made Active in Reports: 04/04/2024
Number of Days to Update: 43

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 08/08/2024
Next Scheduled EDR Contact: 09/02/2024
Data Release Frequency: Varies

US INST CONTROLS: Institutional Controls Sites List

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 02/13/2024
Date Data Arrived at EDR: 02/21/2024
Date Made Active in Reports: 04/04/2024
Number of Days to Update: 43

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 08/08/2024
Next Scheduled EDR Contact: 09/02/2024
Data Release Frequency: Varies

***Federal ERNS list***

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 03/13/2024
Date Data Arrived at EDR: 03/19/2024
Date Made Active in Reports: 06/17/2024
Number of Days to Update: 90

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 06/17/2024
Next Scheduled EDR Contact: 09/30/2024
Data Release Frequency: Quarterly

***Lists of state- and tribal hazardous waste facilities***

SHWS: This state does not maintain a SHWS list. See the Federal CERCLIS list and Federal NPL list.

State Hazardous Waste Sites. State hazardous waste site records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. Available information varies by state.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: Department of Environmental Quality
Telephone: 804-698-4236
Last EDR Contact: 06/07/2024
Next Scheduled EDR Contact: 09/23/2024
Data Release Frequency: N/A

***Lists of state and tribal landfills and solid waste disposal facilities***

SWF/LF: Solid Waste Management Facilities

Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 02/29/2024
Date Data Arrived at EDR: 03/01/2024
Date Made Active in Reports: 03/19/2024
Number of Days to Update: 18

Source: Department of Environmental Quality
Telephone: 804-698-4238
Last EDR Contact: 06/21/2024
Next Scheduled EDR Contact: 09/09/2024
Data Release Frequency: Semi-Annually

***Lists of state and tribal leaking storage tanks***

LUST REG VA: Leaking Underground Storage Tank List

Leaking underground storage tank site locations. Includes: counties of Albemarle, Augusta, Bath, Clarke, Fluvanna, Frederick, Greene, Highland, Nelson, Page, Rockbridge, Rockingham, Shenandoah, Warren; cities of Buena Vista, Charlottesville, Harrisonburg, Lexington, Staunton, Waynesboro, Winchester.

Date of Government Version: 12/06/2011
Date Data Arrived at EDR: 12/08/2011
Date Made Active in Reports: 01/16/2012
Number of Days to Update: 39

Source: Department of Environmental Quality Valley Regional Office
Telephone: 540-574-7800
Last EDR Contact: 08/29/2016
Next Scheduled EDR Contact: 12/12/2016
Data Release Frequency: No Update Planned

LUST REG TD: Leaking Underground Storage Tank Sites

Leaking underground storage tank site locations. Includes: counties of Accomack, Isle of Wight, James City, Northampton, Southampton, York; cities of Chesapeake, Franklin, Hampton, Newport News, Norfolk, Poquoson, Portsmouth, Suffolk, Virginia Beach, Williamsburg.

Date of Government Version: 06/30/2013
Date Data Arrived at EDR: 07/05/2013
Date Made Active in Reports: 09/16/2013
Number of Days to Update: 73

Source: Department of Environmental Quality Tidewater Regional Office
Telephone: trofoia@deq.vir
Last EDR Contact: 09/26/2016
Next Scheduled EDR Contact: 01/09/2017
Data Release Frequency: Quarterly

LUST REG SW: Leaking Underground Storage Tank Database
Leaking underground storage tank site locations. Includes: counties of Bland, Buchanan, Carroll, Dickenson, Grayson, Lee, Russell, Scott, Smyth, Tazewell, Washington, Wise, Wythe; cities of Bristol, Galax, Norton.

Date of Government Version: 07/15/2013
Date Data Arrived at EDR: 07/18/2013
Date Made Active in Reports: 09/16/2013
Number of Days to Update: 60

Source: Department of Environmental Quality Southwest Regional Office
Telephone: 276-676-4800
Last EDR Contact: 10/11/2016
Next Scheduled EDR Contact: 01/23/2017
Data Release Frequency: No Update Planned

LUST REG SC: Leaking Underground Storage Tanks
Leaking underground storage tank site locations. Includes: counties of Amherst, Appomattox, Buckingham, Campbell, Charlotte, Cumberland, Halifax, Lunenburg, Mecklenburg, Nottoway, Pittsylvania, Prince Deward; cities of Danville, Lynchburg.

Date of Government Version: 09/06/2013
Date Data Arrived at EDR: 09/06/2013
Date Made Active in Reports: 09/17/2013
Number of Days to Update: 11

Source: Department of Environmental Quality, South Central Region
Telephone: 434-582-5120
Last EDR Contact: 08/29/2016
Next Scheduled EDR Contact: 12/12/2016
Data Release Frequency: Semi-Annually

LUST REG NO: Leaking Underground Storage Tank Tracking Database
Leaking underground storage tank site locations. Includes: counties of Arlington, Caroline, Culpeper, Fairfax, Fauquier, King George, Loudoun, Louisa, Madison, Orange, Prince William, Rappahannock, Spotsylvania, Stafford; cities of Alexandria, Fairfax, Falls Church, Fredericksburg, Manassas, Manassas Park.

Date of Government Version: 05/18/2004
Date Data Arrived at EDR: 05/22/2004
Date Made Active in Reports: 07/09/2004
Number of Days to Update: 48

Source: Department of Environmental Quality Northern Regional Office
Telephone: 703-583-3800
Last EDR Contact: 09/06/2011
Next Scheduled EDR Contact: 12/19/2011
Data Release Frequency: No Update Planned

LUST REG PD: Leaking Underground Storage Tank Sites
Leaking underground storage tank site locaitons. Includes: counties of Amelia, Brunswick, Charles City, Chesterfield, Dinwiddie, Essex, Gloucester, Goochland, Greensville, Hanover, Henrico, King and Queen, King William, Lancaster, Mathews, Middlesex, New Kent, Northumberland, Powhatan, Prince George, Richmond, Surry, Sussex, Westmoreland; cities of Colonial Heights, Emporia, Hopewell, Petersburg.

Date of Government Version: 12/02/2014
Date Data Arrived at EDR: 12/04/2014
Date Made Active in Reports: 01/16/2015
Number of Days to Update: 43

Source: Department of Environmental Quality Piedmont Regional Office
Telephone: 804-527-5020
Last EDR Contact: 08/29/2016
Next Scheduled EDR Contact: 12/12/2016
Data Release Frequency: Quarterly

LUST REG WC: Leaking Underground Storage Tank List
Leaking underground storage tank site locations. Includes: counties of Alleghany, Bedford, Botetourt, Craig, Floyd, Franklin, Giles, Henry, Montgomery, Patrick, Pulaski, Roanoke; cities of Bedford, Clifton Forge, Covington, Martinsville, Radford, Roanoke, Salem.

Date of Government Version: 06/04/2015
Date Data Arrived at EDR: 06/05/2015
Date Made Active in Reports: 07/07/2015
Number of Days to Update: 32

Source: Department of Environmental Quality West Central Regional Office
Telephone: 540-562-6700
Last EDR Contact: 08/29/2016
Next Scheduled EDR Contact: 12/12/2016
Data Release Frequency: No Update Planned

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 10/25/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 07/10/2024
Next Scheduled EDR Contact: 10/28/2024
Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 10/25/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56
Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 07/10/2024
Next Scheduled EDR Contact: 10/28/2024
Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 10/25/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56
Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 07/10/2024
Next Scheduled EDR Contact: 10/28/2024
Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 10/25/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56
Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 07/10/2024
Next Scheduled EDR Contact: 10/28/2024
Data Release Frequency: Varies

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 10/25/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56
Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 07/10/2024
Next Scheduled EDR Contact: 10/28/2024
Data Release Frequency: Varies

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land
Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 10/04/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56
Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 07/10/2024
Next Scheduled EDR Contact: 10/28/2024
Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 10/25/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56
Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 07/10/2024
Next Scheduled EDR Contact: 10/28/2024
Data Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 10/25/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56
Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 07/10/2024
Next Scheduled EDR Contact: 10/28/2024
Data Release Frequency: Varies

LTANKS: Leaking Petroleum Storage Tanks
Includes releases of petroleum from underground storage tanks and aboveground storage tanks.

Date of Government Version: 02/05/2024
Date Data Arrived at EDR: 02/23/2024
Date Made Active in Reports: 02/28/2024
Number of Days to Update: 5
Source: Department of Environmental Quality
Telephone: 804-698-4010
Last EDR Contact: 05/22/2024
Next Scheduled EDR Contact: 09/02/2024
Data Release Frequency: Quarterly

***Lists of state and tribal registered storage tanks***

FEMA UST: Underground Storage Tank Listing
A listing of all FEMA owned underground storage tanks.

Date of Government Version: 03/15/2024
Date Data Arrived at EDR: 03/19/2024
Date Made Active in Reports: 06/17/2024
Number of Days to Update: 90
Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 08/01/2024
Next Scheduled EDR Contact: 10/14/2024
Data Release Frequency: Varies

UST: Registered Petroleum Storage Tanks
Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.

Date of Government Version: 05/02/2024
Date Data Arrived at EDR: 05/09/2024
Date Made Active in Reports: 08/07/2024
Number of Days to Update: 90
Source: Department of Environmental Quality
Telephone: 804-698-4010
Last EDR Contact: 05/09/2024
Next Scheduled EDR Contact: 09/02/2024
Data Release Frequency: Quarterly

AST: Registered Petroleum Storage Tanks
Registered Aboveground Storage Tanks.

Date of Government Version: 05/02/2024
Date Data Arrived at EDR: 05/09/2024
Date Made Active in Reports: 08/06/2024
Number of Days to Update: 89
Source: Department of Environmental Quality
Telephone: 804-698-4010
Last EDR Contact: 05/09/2024
Next Scheduled EDR Contact: 09/02/2024
Data Release Frequency: Quarterly

INDIAN UST R9: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 10/24/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56
Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 07/10/2024
Next Scheduled EDR Contact: 10/28/2024
Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 10/24/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56
Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 07/10/2024
Next Scheduled EDR Contact: 10/28/2024
Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 10/24/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 07/10/2024
Next Scheduled EDR Contact: 10/28/2024
Data Release Frequency: Varies

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 10/24/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 07/10/2024
Next Scheduled EDR Contact: 10/28/2024
Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 10/24/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 07/10/2024
Next Scheduled EDR Contact: 10/28/2024
Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 10/17/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 07/10/2024
Next Scheduled EDR Contact: 10/28/2024
Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 10/24/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 07/10/2024
Next Scheduled EDR Contact: 10/28/2024
Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 10/24/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 07/10/2024
Next Scheduled EDR Contact: 10/28/2024
Data Release Frequency: Varies

***State and tribal institutional control / engineering control registries***

ENG CONTROLS: Engineering Controls Sites Listing

A listing of sites with Engineering Controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 06/26/2024
Date Data Arrived at EDR: 06/27/2024
Date Made Active in Reports: 07/17/2024
Number of Days to Update: 20

Source: Department of Environmental Quality
Telephone: 804-698-4228
Last EDR Contact: 06/27/2024
Next Scheduled EDR Contact: 10/14/2024
Data Release Frequency: Quarterly

INST CONTROL: Voluntary Remediation Program Database

Sites included in the Voluntary Remediation Program database that have deed restrictions.

Date of Government Version: 06/26/2024
Date Data Arrived at EDR: 06/27/2024
Date Made Active in Reports: 07/17/2024
Number of Days to Update: 20

Source: Department of Environmental Quality
Telephone: 804-698-4228
Last EDR Contact: 06/27/2024
Next Scheduled EDR Contact: 10/14/2024
Data Release Frequency: Quarterly

***Lists of state and tribal voluntary cleanup sites***

VRP: Voluntary Remediation Program

The Voluntary Cleanup Program encourages owners of elected contaminated sites to take the initiative and conduct voluntary cleanups that meet state environmental standards.

Date of Government Version: 06/26/2024
Date Data Arrived at EDR: 06/27/2024
Date Made Active in Reports: 07/17/2024
Number of Days to Update: 20

Source: Department of Environmental Quality
Telephone: 804-698-4228
Last EDR Contact: 06/27/2024
Next Scheduled EDR Contact: 10/14/2024
Data Release Frequency: Quarterly

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27

Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 07/08/2021
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 07/27/2015
Date Data Arrived at EDR: 09/29/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 142

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 06/14/2024
Next Scheduled EDR Contact: 09/30/2024
Data Release Frequency: Varies

***Lists of state and tribal brownfield sites***

BROWNFIELDS: Brownfields Site Specific Assessments

To qualify for Brownfields Assessment, the site must meet the Federal definition of a Brownfields and should have contaminant issues that need to be addressed and a redevelopment plan supported by the local government and community. Virginia's Department of Environmental Quality performs brownfields assessments under a cooperative agreement with the U.S. Environmental Protection Agency at no cost to communities, property owners or, prospective purchasers. The assessment is an evaluation of environmental impacts caused by previous site uses similar to a Phase II Environmental Assessment.

Date of Government Version: 04/16/2024
Date Data Arrived at EDR: 04/17/2024
Date Made Active in Reports: 07/16/2024
Number of Days to Update: 90

Source: Department of Environmental Quality
Telephone: 804-698-4207
Last EDR Contact: 07/17/2024
Next Scheduled EDR Contact: 10/28/2024
Data Release Frequency: Quarterly

**ADDITIONAL ENVIRONMENTAL RECORDS**

***Local Brownfield lists***

US BROWNFIELDS: A Listing of Brownfields Sites

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 03/11/2024
Date Data Arrived at EDR: 03/12/2024
Date Made Active in Reports: 05/10/2024
Number of Days to Update: 59

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 06/11/2024
Next Scheduled EDR Contact: 09/23/2024
Data Release Frequency: Semi-Annually

***Local Lists of Landfill / Solid Waste Disposal Sites***

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 07/22/2024
Next Scheduled EDR Contact: 11/04/2024
Data Release Frequency: Varies

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 07/10/2024
Next Scheduled EDR Contact: 10/28/2024
Data Release Frequency: No Update Planned

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

IHS OPEN DUMPS: Open Dumps on Indian Land

A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 04/01/2014
Date Data Arrived at EDR: 08/06/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 176

Source: Department of Health & Human Serivces, Indian Health Service
Telephone: 301-443-1452
Last EDR Contact: 07/18/2024
Next Scheduled EDR Contact: 11/04/2024
Data Release Frequency: Varies

***Local Lists of Hazardous waste / Contaminated Sites***

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 05/20/2024
Date Data Arrived at EDR: 05/21/2024
Date Made Active in Reports: 08/08/2024
Number of Days to Update: 79

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 05/21/2024
Next Scheduled EDR Contact: 09/02/2024
Data Release Frequency: No Update Planned

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 05/20/2024
Date Data Arrived at EDR: 05/21/2024
Date Made Active in Reports: 08/08/2024
Number of Days to Update: 79

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 05/21/2024
Next Scheduled EDR Contact: 09/02/2024
Data Release Frequency: Quarterly

***Local Land Records***

LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 05/22/2024
Date Data Arrived at EDR: 06/03/2024
Date Made Active in Reports: 06/26/2024
Number of Days to Update: 23

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 08/01/2024
Next Scheduled EDR Contact: 10/07/2024
Data Release Frequency: Semi-Annually

***Records of Emergency Release Reports***

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 06/14/2024
Date Data Arrived at EDR: 06/17/2024
Date Made Active in Reports: 06/24/2024
Number of Days to Update: 7

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 06/17/2024
Next Scheduled EDR Contact: 09/30/2024
Data Release Frequency: Quarterly

SPILLS PC: Pollution Complaint Database

Pollution Complaints Database. The pollution reports contained in the PC database include the initial release reporting of Leaking Underground Storage Tanks and all other releases of petroleum to the environment as well as releases to state waters. The database is current through 12/1/93. Since that time, all spill and pollution reporting information has been collected and tracked through the DEQ regional offices.

Date of Government Version: 06/01/1996
Date Data Arrived at EDR: 10/22/1996
Date Made Active in Reports: 11/21/1996
Number of Days to Update: 30

Source: Department of Environmental Quality
Telephone: 804-698-4287
Last EDR Contact: 03/08/2010
Next Scheduled EDR Contact: 06/21/2010
Data Release Frequency: No Update Planned

SPILLS NO: PREP Database

The Department of Environmental Quality's POLLUTION RESPONSE PROGRAM, known as PREP, provides for responses to air, water, and waste pollution incidents in order to protect human health and the environment.

Date of Government Version: 09/23/2009
Date Data Arrived at EDR: 09/29/2009
Date Made Active in Reports: 10/30/2009
Number of Days to Update: 31

Source: Department of Environmental Quality, Northern Region
Telephone: 703-583-3864
Last EDR Contact: 09/06/2011
Next Scheduled EDR Contact: 12/19/2011
Data Release Frequency: No Update Planned

SPILLS PD: PREP Database

The Department of Environmental Quality's POLLUTION RESPONSE PROGRAM, known as PREP, provides for responses to air, water, and waste pollution incidents in order to protect human health and the environment.

Date of Government Version: 10/20/2009
Date Data Arrived at EDR: 10/29/2009
Date Made Active in Reports: 12/03/2009
Number of Days to Update: 35

Source: Department of Environmental Quality, Piedmont Region
Telephone: 804-527-5020
Last EDR Contact: 02/06/2012
Next Scheduled EDR Contact: 05/21/2012
Data Release Frequency: Quarterly

SPILLS BRL: Prep/Spills Database Listing

A listing of spills locations located in the Blue Ridge Regional area, Lynchburg.

Date of Government Version: 09/18/2009
Date Data Arrived at EDR: 09/18/2009
Date Made Active in Reports: 10/06/2009
Number of Days to Update: 18

Source: DEQ, Blue Ridge Regional Office
Telephone: 434-582-6218
Last EDR Contact: 11/28/2011
Next Scheduled EDR Contact: 03/12/2012
Data Release Frequency: Varies

SPILLS TD: PREP Database

The Department of Environmental Quality's POLLUTION RESPONSE PROGRAM, known as PREP, provides for responses to air, water, and waste pollution incidents in order to protect human health and the environment.

Date of Government Version: 09/17/2009
Date Data Arrived at EDR: 09/23/2009
Date Made Active in Reports: 10/06/2009
Number of Days to Update: 13

Source: Department of Environmental Quality, Tidewater Region
Telephone: trofoia@deq.vir
Last EDR Contact: 09/06/2011
Next Scheduled EDR Contact: 12/19/2011
Data Release Frequency: Quarterly

SPILLS VA: PREP Database

The Department of Environmental Quality's POLLUTION RESPONSE PROGRAM, known as PREP, provides for responses to air, water, and waste pollution incidents in order to protect human health and the environment.

Date of Government Version: 08/08/2012
Date Data Arrived at EDR: 08/09/2012
Date Made Active in Reports: 10/05/2012
Number of Days to Update: 57

Source: Department of Environmental Quality, Valley Regional Office
Telephone: 540-574-7800
Last EDR Contact: 05/06/2013
Next Scheduled EDR Contact: 08/19/2013
Data Release Frequency: Quarterly

SPILLS WC: Prep Database

The Department of Environmental Quality's POLLUTION RESPONSE PROGRAM, known as PREP, provides for responses to air, water, and waste pollution incidents in order to protect human health and the environment.

Date of Government Version: 09/21/2009
Date Data Arrived at EDR: 09/29/2009
Date Made Active in Reports: 10/30/2009
Number of Days to Update: 31

Source: Department of Environmental Quality, West Central Region
Telephone: 540-562-6700
Last EDR Contact: 09/06/2011
Next Scheduled EDR Contact: 12/19/2011
Data Release Frequency: No Update Planned

SPILLS SW: Reportable Spills

The Department of Environmental Quality's POLLUTION RESPONSE PROGRAM, known as PREP, provides for responses to air, water, and waste pollution incidents in order to protect human health and the environment.

Date of Government Version: 01/21/2010
Date Data Arrived at EDR: 01/22/2010
Date Made Active in Reports: 02/16/2010
Number of Days to Update: 25

Source: Department of Environmental Quality, Southwest Region
Telephone: 276-676-4839
Last EDR Contact: 07/13/2012
Next Scheduled EDR Contact: 10/29/2012
Data Release Frequency: No Update Planned

SPILLS: Prep/Spills Database Listing

The Department of Environmental Quality's POLLUTION RESPONSE PROGRAM, known as PREP, provides for responses to air, water, and waste pollution incidents in order to protect human health and the environment. PREP staff often work to assist local emergency responders, other state agencies, federal agencies, and responsible parties, as may be needed, to manage pollution incidents. Oil spills, fish kills, and hazardous materials spills are examples of incidents that may involve the DEQ's PREP Program.

Date of Government Version: 02/21/2024
Date Data Arrived at EDR: 02/22/2024
Date Made Active in Reports: 02/29/2024
Number of Days to Update: 7

Source: Department of Environmental Quality
Telephone: 804-698-4287
Last EDR Contact: 05/22/2024
Next Scheduled EDR Contact: 09/02/2024
Data Release Frequency: Quarterly

SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 09/01/2012
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 02/15/2013
Number of Days to Update: 43

Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

***Other Ascertainable Records***

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 06/03/2024
Date Data Arrived at EDR: 06/07/2024
Date Made Active in Reports: 06/20/2024
Number of Days to Update: 13

Source: Environmental Protection Agency
Telephone: 800-438-2474
Last EDR Contact: 06/07/2024
Next Scheduled EDR Contact: 09/30/2024
Data Release Frequency: Quarterly

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 05/13/2024
Date Data Arrived at EDR: 05/14/2024
Date Made Active in Reports: 08/08/2024
Number of Days to Update: 86

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 05/14/2024
Next Scheduled EDR Contact: 08/26/2024
Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 06/07/2021
Date Data Arrived at EDR: 07/13/2021
Date Made Active in Reports: 03/09/2022
Number of Days to Update: 239

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 07/11/2024
Next Scheduled EDR Contact: 10/21/2024
Data Release Frequency: Varies

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 04/02/2018
Date Data Arrived at EDR: 04/11/2018
Date Made Active in Reports: 11/06/2019
Number of Days to Update: 574

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 07/02/2024
Next Scheduled EDR Contact: 10/14/2024
Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 07/30/2021
Date Data Arrived at EDR: 02/03/2023
Date Made Active in Reports: 02/10/2023
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 08/05/2024
Next Scheduled EDR Contact: 11/18/2024
Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 03/18/2024
Date Data Arrived at EDR: 03/19/2024
Date Made Active in Reports: 06/20/2024
Number of Days to Update: 93

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 06/17/2024
Next Scheduled EDR Contact: 09/30/2024
Data Release Frequency: Quarterly

EPA WATCH LIST: EPA Watch List

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 07/25/2024
Next Scheduled EDR Contact: 11/11/2024
Data Release Frequency: No Update Planned

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 09/30/2017
Date Data Arrived at EDR: 05/08/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 73

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 08/01/2024
Next Scheduled EDR Contact: 11/11/2024
Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 06/14/2022
Date Made Active in Reports: 03/24/2023
Number of Days to Update: 283

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 06/13/2024
Next Scheduled EDR Contact: 09/23/2024
Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2022
Date Data Arrived at EDR: 11/13/2023
Date Made Active in Reports: 02/07/2024
Number of Days to Update: 86

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 05/16/2024
Next Scheduled EDR Contact: 08/26/2024
Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 07/11/2024
Date Data Arrived at EDR: 07/11/2024
Date Made Active in Reports: 07/12/2024
Number of Days to Update: 1

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 07/11/2024
Next Scheduled EDR Contact: 10/28/2024
Data Release Frequency: Annually

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 05/22/2024
Date Data Arrived at EDR: 06/03/2024
Date Made Active in Reports: 06/26/2024
Number of Days to Update: 23

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 08/01/2024
Next Scheduled EDR Contact: 09/09/2024
Data Release Frequency: Annually

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 04/01/2024
Date Data Arrived at EDR: 04/17/2024
Date Made Active in Reports: 07/12/2024
Number of Days to Update: 86

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 07/11/2024
Next Scheduled EDR Contact: 10/28/2024
Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 09/19/2023
Date Data Arrived at EDR: 10/03/2023
Date Made Active in Reports: 10/19/2023
Number of Days to Update: 16

Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 08/01/2024
Next Scheduled EDR Contact: 11/11/2024
Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 03/20/2023
Date Data Arrived at EDR: 04/04/2023
Date Made Active in Reports: 06/09/2023
Number of Days to Update: 66

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 07/02/2024
Next Scheduled EDR Contact: 10/14/2024
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 11/18/2016
Date Data Arrived at EDR: 11/23/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 79

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 06/26/2024
Next Scheduled EDR Contact: 10/14/2024
Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25
Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25
Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

MLTS: Material Licensing Tracking System
MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 01/02/2024
Date Data Arrived at EDR: 01/16/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 57
Source: Nuclear Regulatory Commission
Telephone: 301-415-0717
Last EDR Contact: 07/11/2024
Next Scheduled EDR Contact: 10/28/2024
Data Release Frequency: Quarterly

COAL ASH DOE: Steam-Electric Plant Operation Data
A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2022
Date Data Arrived at EDR: 11/27/2023
Date Made Active in Reports: 02/22/2024
Number of Days to Update: 87
Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 05/28/2024
Next Scheduled EDR Contact: 09/09/2024
Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List
A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 01/12/2017
Date Data Arrived at EDR: 03/05/2019
Date Made Active in Reports: 11/11/2019
Number of Days to Update: 251
Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 05/28/2024
Next Scheduled EDR Contact: 09/09/2024
Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database
The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 09/13/2019
Date Data Arrived at EDR: 11/06/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 96
Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 08/01/2024
Next Scheduled EDR Contact: 11/11/2024
Data Release Frequency: Varies

RADINFO: Radiation Information Database
The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 07/01/2019
Date Data Arrived at EDR: 07/01/2019
Date Made Active in Reports: 09/23/2019
Number of Days to Update: 84

Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 06/21/2024
Next Scheduled EDR Contact: 10/07/2024
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data

Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 01/02/2020
Date Data Arrived at EDR: 01/28/2020
Date Made Active in Reports: 04/17/2020
Number of Days to Update: 80

Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 07/23/2024
Next Scheduled EDR Contact: 11/04/2024
Data Release Frequency: Quarterly

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 03/31/2024
Date Data Arrived at EDR: 04/19/2024
Date Made Active in Reports: 06/26/2024
Number of Days to Update: 68

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 06/26/2024
Next Scheduled EDR Contact: 10/14/2024
Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2021
Date Data Arrived at EDR: 03/09/2023
Date Made Active in Reports: 03/20/2023
Number of Days to Update: 11

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 06/07/2024
Next Scheduled EDR Contact: 09/30/2024
Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 07/14/2015
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 546

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 07/02/2024
Next Scheduled EDR Contact: 10/14/2024
Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 03/03/2023
Date Data Arrived at EDR: 03/03/2023
Date Made Active in Reports: 06/09/2023
Number of Days to Update: 98

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 07/24/2024
Next Scheduled EDR Contact: 11/11/2024
Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 08/30/2019
Date Data Arrived at EDR: 11/15/2019
Date Made Active in Reports: 01/28/2020
Number of Days to Update: 74

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 08/08/2024
Next Scheduled EDR Contact: 11/26/2024
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 05/22/2024
Date Data Arrived at EDR: 06/03/2024
Date Made Active in Reports: 06/24/2024
Number of Days to Update: 21

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 08/01/2024
Next Scheduled EDR Contact: 10/07/2024
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 36

Source: American Journal of Public Health
Telephone: 703-305-6451
Last EDR Contact: 12/02/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100
Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data
A listing of minor source facilities.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100
Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

MINES VIOLATIONS: MSHA Violation Assessment Data
Mines violation and assessment information. Department of Labor, Mine Safety & Health Administration.

Date of Government Version: 04/01/2024
Date Data Arrived at EDR: 04/04/2024
Date Made Active in Reports: 07/12/2024
Number of Days to Update: 99
Source: DOL, Mine Safety & Health Admi
Telephone: 202-693-9424
Last EDR Contact: 07/02/2024
Next Scheduled EDR Contact: 09/02/2024
Data Release Frequency: Quarterly

US MINES: Mines Master Index File
Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 02/05/2024
Date Data Arrived at EDR: 02/21/2024
Date Made Active in Reports: 04/04/2024
Number of Days to Update: 43
Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 05/21/2024
Next Scheduled EDR Contact: 09/02/2024
Data Release Frequency: Semi-Annually

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing
This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 01/07/2022
Date Data Arrived at EDR: 02/24/2023
Date Made Active in Reports: 05/17/2023
Number of Days to Update: 82
Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 05/22/2024
Next Scheduled EDR Contact: 09/02/2024
Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing
Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011
Date Data Arrived at EDR: 06/08/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 97
Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 05/23/2024
Next Scheduled EDR Contact: 09/02/2024
Data Release Frequency: Varies

MINES MRDS: Mineral Resources Data System
Mineral Resources Data System

Date of Government Version: 08/23/2022
Date Data Arrived at EDR: 11/22/2022
Date Made Active in Reports: 02/28/2023
Number of Days to Update: 98
Source: USGS
Telephone: 703-648-6533
Last EDR Contact: 05/22/2024
Next Scheduled EDR Contact: 09/02/2024
Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 03/18/2024
Date Data Arrived at EDR: 03/19/2024
Date Made Active in Reports: 06/06/2024
Number of Days to Update: 79

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 06/13/2024
Next Scheduled EDR Contact: 09/16/2024
Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 02/09/2024
Date Data Arrived at EDR: 02/27/2024
Date Made Active in Reports: 05/24/2024
Number of Days to Update: 87

Source: EPA
Telephone: (215) 814-5000
Last EDR Contact: 05/29/2024
Next Scheduled EDR Contact: 09/09/2024
Data Release Frequency: Quarterly

DOCKET HWC: Hazardous Waste Compliance Docket Listing

A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 05/06/2021
Date Data Arrived at EDR: 05/21/2021
Date Made Active in Reports: 08/11/2021
Number of Days to Update: 82

Source: Environmental Protection Agency
Telephone: 202-564-0527
Last EDR Contact: 05/17/2024
Next Scheduled EDR Contact: 09/02/2024
Data Release Frequency: Varies

ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 06/23/2024
Date Data Arrived at EDR: 06/28/2024
Date Made Active in Reports: 07/12/2024
Number of Days to Update: 14

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 06/28/2024
Next Scheduled EDR Contact: 10/14/2024
Data Release Frequency: Quarterly

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 09/06/2023
Date Data Arrived at EDR: 09/13/2023
Date Made Active in Reports: 12/11/2023
Number of Days to Update: 89

Source: Department of Defense
Telephone: 703-704-1564
Last EDR Contact: 07/08/2024
Next Scheduled EDR Contact: 10/21/2024
Data Release Frequency: Varies

FUELS PROGRAM: EPA Fuels Program Registered Listing

This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 05/13/2024
Date Data Arrived at EDR: 05/14/2024
Date Made Active in Reports: 08/08/2024
Number of Days to Update: 86

Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 05/14/2024
Next Scheduled EDR Contact: 08/26/2024
Data Release Frequency: Quarterly

PFAS NPL: Superfund Sites with PFAS Detections Information

EPA's Office of Land and Emergency Management and EPA Regional Offices maintain data describing what is known about site investigations, contamination, and remedial actions under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) where PFAS is present in the environment.

Date of Government Version: 07/01/2024
Date Data Arrived at EDR: 07/01/2024
Date Made Active in Reports: 07/12/2024
Number of Days to Update: 11

Source: Environmental Protection Agency
Telephone: 703-603-8895
Last EDR Contact: 07/01/2024
Next Scheduled EDR Contact: 10/14/2024
Data Release Frequency: Varies

PFAS FEDERAL SITES: Federal Sites PFAS Information

Several federal entities, such as the federal Superfund program, Department of Defense, National Aeronautics and Space Administration, Department of Transportation, and Department of Energy provided information for sites with known or suspected detections at federal facilities.

Date of Government Version: 07/01/2024
Date Data Arrived at EDR: 07/01/2024
Date Made Active in Reports: 07/12/2024
Number of Days to Update: 11

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 07/01/2024
Next Scheduled EDR Contact: 10/14/2024
Data Release Frequency: Varies

PFAS TRIS: List of PFAS Added to the TRI

Section 7321 of the National Defense Authorization Act for Fiscal Year 2020 (NDAA) immediately added certain per- and polyfluoroalkyl substances (PFAS) to the list of chemicals covered by the Toxics Release Inventory (TRI) under Section 313 of the Emergency Planning and Community Right-to-Know Act (EPCRA) and provided a framework for additional PFAS to be added to TRI on an annual basis.

Date of Government Version: 07/01/2024
Date Data Arrived at EDR: 07/01/2024
Date Made Active in Reports: 07/12/2024
Number of Days to Update: 11

Source: Environmental Protection Agency
Telephone: 202-566-0250
Last EDR Contact: 07/01/2024
Next Scheduled EDR Contact: 10/14/2024
Data Release Frequency: Varies

PFAS TSCA: PFAS Manufacture and Imports Information

EPA issued the Chemical Data Reporting (CDR) Rule under the Toxic Substances Control Act (TSCA) and requires chemical manufacturers and facilities that manufacture or import chemical substances to report data to EPA. EPA publishes non-confidential business information (non-CBI) and includes descriptive information about each site, corporate parent, production volume, other manufacturing information, and processing and use information.

Date of Government Version: 07/01/2024
Date Data Arrived at EDR: 07/01/2024
Date Made Active in Reports: 07/12/2024
Number of Days to Update: 11

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 07/01/2024
Next Scheduled EDR Contact: 10/14/2024
Data Release Frequency: Varies

PFAS RCRA MANIFEST: PFAS Transfers Identified In the RCRA Database Listing

To work around the lack of PFAS waste codes in the RCRA database, EPA developed the PFAS Transfers dataset by mining e-Manifest records containing at least one of these common PFAS keywords: PFAS, PFOA, PFOS, PERFL, AFFF, GENX, GEN-X (plus the VT waste codes). These keywords were searched for in the following text fields: Manifest handling instructions (MANIFEST_HANDLING_INSTR), Non-hazardous waste description (NON_HAZ_WASTE_DESCRIPTION), DOT printed information (DOT_PRINTED_INFORMATION), Waste line handling instructions (WASTE_LINE_HANDLING_INSTR), Waste residue comments (WASTE_RESIDUE_COMMENTS).

Date of Government Version: 07/01/2024
Date Data Arrived at EDR: 07/01/2024
Date Made Active in Reports: 07/12/2024
Number of Days to Update: 11

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 07/01/2024
Next Scheduled EDR Contact: 10/14/2024
Data Release Frequency: Varies

PFAS ATSDR: PFAS Contamination Site Location Listing

PFAS contamination site locations from the Department of Health & Human Services, Center for Disease Control & Prevention. ATSDR is involved at a number of PFAS-related sites, either directly or through assisting state and federal partners. As of now, most sites are related to drinking water contamination connected with PFAS production facilities or fire training areas where aqueous film-forming firefighting foam (AFFF) was regularly used.

Date of Government Version: 06/24/2020
Date Data Arrived at EDR: 03/17/2021
Date Made Active in Reports: 11/08/2022
Number of Days to Update: 601

Source: Department of Health & Human Services
Telephone: 202-741-5770
Last EDR Contact: 07/18/2024
Next Scheduled EDR Contact: 11/04/2024
Data Release Frequency: Varies

PFAS WQP: Ambient Environmental Sampling for PFAS

The Water Quality Portal (WQP) is a part of a modernized repository storing ambient sampling data for all environmental media and tissue samples. A wide range of federal, state, tribal and local governments, academic and non-governmental organizations and individuals submit project details and sampling results to this public repository. The information is commonly used for research and assessments of environmental quality.

Date of Government Version: 07/01/2024
Date Data Arrived at EDR: 07/01/2024
Date Made Active in Reports: 07/12/2024
Number of Days to Update: 11

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 07/01/2024
Next Scheduled EDR Contact: 10/14/2024
Data Release Frequency: Varies

PFAS PROJECT: NORTHEASTERN UNIVERSITY PFAS PROJECT

The PFAS Contamination Site Tracker records qualitative and quantitative data from each site in a chart, specifically examining discovery, contamination levels, government response, litigation, health impacts, media coverage, and community characteristics. All data presented in the chart were extracted from government websites, such as state health departments or the Environmental Protection Agency, and news articles.

Date of Government Version: 05/19/2023
Date Data Arrived at EDR: 04/05/2024
Date Made Active in Reports: 06/06/2024
Number of Days to Update: 62

Source: Social Science Environmental Health Research Institute
Telephone: N/A
Last EDR Contact: 06/04/2024
Next Scheduled EDR Contact: 09/16/2024
Data Release Frequency: Varies

PFAS NPDES: Clean Water Act Discharge Monitoring Information

Any discharger of pollutants to waters of the United States from a point source must have a National Pollutant Discharge Elimination System (NPDES) permit. The process for obtaining limits involves the regulated entity (permittee) disclosing releases in a NPDES permit application and the permitting authority (typically the state but sometimes EPA) deciding whether to require monitoring or monitoring with limits. Caveats and Limitations: Less than half of states have required PFAS monitoring for at least one of their permittees and fewer states have established PFAS effluent limits for permittees. New rulemakings have been initiated that may increase the number of facilities monitoring for PFAS in the future.

Date of Government Version: 07/01/2024
Date Data Arrived at EDR: 07/01/2024
Date Made Active in Reports: 07/12/2024
Number of Days to Update: 11

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 07/01/2024
Next Scheduled EDR Contact: 10/14/2024
Data Release Frequency: Varies

PFAS ECHO: Facilities in Industries that May Be Handling PFAS Listing

Regulators and the public have expressed interest in knowing which regulated entities may be using PFAS. EPA has developed a dataset from various sources that show which industries may be handling PFAS. Approximately 120,000 facilities subject to federal environmental programs have operated or currently operate in industry sectors with processes that may involve handling and/or release of PFAS.

Date of Government Version: 07/01/2024
Date Data Arrived at EDR: 07/01/2024
Date Made Active in Reports: 07/12/2024
Number of Days to Update: 11

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 07/01/2024
Next Scheduled EDR Contact: 10/14/2024
Data Release Frequency: Varies

PFAS ECHO FIRE TRAIN: Facilities in Industries that May Be Handling PFAS Listing

A list of fire training sites was added to the Industry Sectors dataset using a keyword search on the permitted facilitys name to identify sites where fire-fighting foam may have been used in training exercises. Additionally, you may view an example spreadsheet of the subset of fire training facility data, as well as the keywords used in selecting or deselecting a facility for the subset. as well as the keywords used in selecting or deselecting a facility for the subset. These keywords were tested to maximize accuracy in selecting facilities that may use fire-fighting foam in training exercises, however, due to the lack of a required reporting field in the data systems for designating fire training sites, this methodology may not identify all fire training sites or may potentially misidentify them.

Date of Government Version: 07/01/2024
Date Data Arrived at EDR: 07/01/2024
Date Made Active in Reports: 07/12/2024
Number of Days to Update: 11

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 07/01/2024
Next Scheduled EDR Contact: 10/14/2024
Data Release Frequency: Varies

PFAS PT 139 AIRPORT: All Certified Part 139 Airports PFAS Information Listing

Since July 1, 2006, all certified part 139 airports are required to have fire-fighting foam onsite that meet military specifications (MIL-F-24385) (14 CFR 139.317). To date, these military specification fire-fighting foams are fluorinated and have been historically used for training and extinguishing. The 2018 FAA Reauthorization Act has a provision stating that no later than October 2021, FAA shall not require the use of fluorinated AFFF. This provision does not prohibit the use of fluorinated AFFF at Part 139 civilian airports; it only prohibits FAA from mandating its use. The Federal Aviation Administration?s document AC 150/5210-6D - Aircraft Fire Extinguishing Agents provides guidance on Aircraft Fire Extinguishing Agents, which includes Aqueous Film Forming Foam (AFFF).

Date of Government Version: 07/01/2024
Date Data Arrived at EDR: 07/01/2024
Date Made Active in Reports: 07/12/2024
Number of Days to Update: 11

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 07/01/2024
Next Scheduled EDR Contact: 10/14/2024
Data Release Frequency: Varies

AQUEOUS FOAM NRC: Aqueous Foam Related Incidents Listing

The National Response Center (NRC) serves as an emergency call center that fields initial reports for pollution and railroad incidents and forwards that information to appropriate federal/state agencies for response. The spreadsheets posted to the NRC website contain initial incident data that has not been validated or investigated by a federal/state response agency. Response center calls from 1990 to the most recent complete calendar year where there was indication of Aqueous Film Forming Foam (AFFF) usage are included in this dataset. NRC calls may reference AFFF usage in the ?Material Involved? or ?Incident Description? fields.

Date of Government Version: 07/01/2024
Date Data Arrived at EDR: 07/01/2024
Date Made Active in Reports: 07/12/2024
Number of Days to Update: 11

Source: Environmental Protection Agency
Telephone: 202-267-2675
Last EDR Contact: 07/01/2024
Next Scheduled EDR Contact: 10/14/2024
Data Release Frequency: Varies

PCS: Permit Compliance System

PCS is a computerized management information system that contains data on National Pollutant Discharge Elimination System (NPDES) permit holding facilities. PCS tracks the permit, compliance, and enforcement status of NPDES facilities.

Date of Government Version: 12/16/2016
Date Data Arrived at EDR: 01/06/2017
Date Made Active in Reports: 03/10/2017
Number of Days to Update: 63

Source: EPA, Office of Water
Telephone: 202-564-2496
Last EDR Contact: 06/27/2024
Next Scheduled EDR Contact: 10/14/2024
Data Release Frequency: No Update Planned

PCS ENF: Enforcement data
No description is available for this data

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 02/05/2015
Date Made Active in Reports: 03/06/2015
Number of Days to Update: 29

Source: EPA
Telephone: 202-564-2497
Last EDR Contact: 06/27/2024
Next Scheduled EDR Contact: 10/14/2024
Data Release Frequency: Varies

BIOSOLIDS: ICIS-NPDES Biosolids Facility Data
The data reflects compliance information about facilities in the biosolids program.

Date of Government Version: 04/14/2024
Date Data Arrived at EDR: 04/16/2024
Date Made Active in Reports: 07/12/2024
Number of Days to Update: 87

Source: Environmental Protection Agency
Telephone: 202-564-4700
Last EDR Contact: 07/16/2024
Next Scheduled EDR Contact: 10/28/2024
Data Release Frequency: Varies

UST FINDER RELEASE: UST Finder Releases Database
US EPA's UST Finder data is a national composite of leaking underground storage tanks. This data contains information about, and locations of, leaking underground storage tanks. Data was collected from state sources and standardized into a national profile by EPA's Office of Underground Storage Tanks, Office of Research and Development, and the Association of State and Territorial Solid Waste Management Officials.

Date of Government Version: 06/08/2023
Date Data Arrived at EDR: 10/31/2023
Date Made Active in Reports: 01/18/2024
Number of Days to Update: 79

Source: Environmental Protecton Agency
Telephone: 202-564-0394
Last EDR Contact: 08/08/2024
Next Scheduled EDR Contact: 11/18/2024
Data Release Frequency: Semi-Annually

UST FINDER: UST Finder Database
EPA developed UST Finder, a web map application containing a comprehensive, state-sourced national map of underground storage tank (UST) and leaking UST (LUST) data. It provides the attributes and locations of active and closed USTs, UST facilities, and LUST sites from states and from Tribal lands and US territories . UST Finder contains information about proximity of UST facilities and LUST sites to: surface and groundwater public drinking water protection areas; estimated number of private domestic wells and number of people living nearby; and flooding and wildfires.

Date of Government Version: 06/08/2023
Date Data Arrived at EDR: 10/04/2023
Date Made Active in Reports: 01/18/2024
Number of Days to Update: 106

Source: Environmental Protection Agency
Telephone: 202-564-0394
Last EDR Contact: 08/08/2024
Next Scheduled EDR Contact: 11/18/2024
Data Release Frequency: Varies

E MANIFEST: Hazardous Waste Electronic Manifest System
EPA established a national system for tracking hazardous waste shipments electronically. This system, known as ?e-Manifest,? will modernize the nation?s cradle-to-grave hazardous waste tracking process while saving valuable time, resources, and dollars for industry and states.

Date of Government Version: 07/24/2023
Date Data Arrived at EDR: 04/18/2024
Date Made Active in Reports: 06/06/2024
Number of Days to Update: 49

Source: Environmental Protection Agency
Telephone: 833-501-6826
Last EDR Contact: 06/07/2024
Next Scheduled EDR Contact: 09/30/2024
Data Release Frequency: Varies

PFAS: Per- and Polyfluoroalkyl Substances
PFOS and PFOA stand for perfluorooctane sulfonate and perfluorooctanoic acid, respectively. Both are fluorinated organic chemicals, part of a larger family of compounds referred to as perfluoroalkyl substances (PFASs).

Date of Government Version: 04/01/2024
Date Data Arrived at EDR: 04/17/2024
Date Made Active in Reports: 05/01/2024
Number of Days to Update: 14

Source: Department of Environmental Quality
Telephone: 804-698-4336
Last EDR Contact: 06/27/2024
Next Scheduled EDR Contact: 10/14/2024
Data Release Frequency: Varies

AIRS: Permitted Airs Facility List
A listing of permitted Airs facilities.

Date of Government Version: 03/12/2024
Date Data Arrived at EDR: 03/13/2024
Date Made Active in Reports: 06/07/2024
Number of Days to Update: 86

Source: Department of Environmental Quality
Telephone: 804-698-4000
Last EDR Contact: 06/07/2024
Next Scheduled EDR Contact: 09/23/2024
Data Release Frequency: Annually

CEDS: Comprehensive Environmental Data System
Virginia Water Protection Permits, Virginia Pollution Discharge System (point discharge) permits and Virginia Pollution Abatement (no point discharge) permits.

Date of Government Version: 06/24/2024
Date Data Arrived at EDR: 07/08/2024
Date Made Active in Reports: 07/16/2024
Number of Days to Update: 8

Source: Department of Environmental Quality
Telephone: 804-698-4077
Last EDR Contact: 07/08/2024
Next Scheduled EDR Contact: 09/09/2024
Data Release Frequency: Quarterly

COAL ASH: Coal Ash Disposal Sites
A listing of facilities with coal ash impoundments.

Date of Government Version: 03/25/2024
Date Data Arrived at EDR: 03/26/2024
Date Made Active in Reports: 06/20/2024
Number of Days to Update: 86

Source: Department of Environmental Protection
Telephone: 804-698-4285
Last EDR Contact: 06/21/2024
Next Scheduled EDR Contact: 09/09/2024
Data Release Frequency: Varies

DRYCLEANERS: Drycleaner List
A listing of registered drycleaners.

Date of Government Version: 04/02/2024
Date Data Arrived at EDR: 04/04/2024
Date Made Active in Reports: 04/08/2024
Number of Days to Update: 4

Source: Department of Environmental Quality
Telephone: 804-698-4407
Last EDR Contact: 06/27/2024
Next Scheduled EDR Contact: 10/14/2024
Data Release Frequency: Varies

ENFORCEMENT: Enforcement Actions Data
A listing of enforcement actions.

Date of Government Version: 09/26/2023
Date Data Arrived at EDR: 09/28/2023
Date Made Active in Reports: 10/24/2023
Number of Days to Update: 26

Source: Department of Environmental Quality
Telephone: 804-698-4031
Last EDR Contact: 06/21/2024
Next Scheduled EDR Contact: 10/07/2024
Data Release Frequency: Quarterly

FIN ASSURANCE 1: Financial Assurance Information Listing
A listing of financial assurance information for underground storage tank facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 04/23/2024
Date Data Arrived at EDR: 04/24/2024
Date Made Active in Reports: 07/16/2024
Number of Days to Update: 83

Source: Department of Environmental Quality
Telephone: 804-698-4205
Last EDR Contact: 07/19/2024
Next Scheduled EDR Contact: 11/04/2024
Data Release Frequency: Varies

FIN ASSURANCE 2: Financial Assurance Information listing
Solid waste financial assurance information.

Date of Government Version: 07/22/2024
Date Data Arrived at EDR: 07/22/2024
Date Made Active in Reports: 07/24/2024
Number of Days to Update: 2

Source: Department of Environmental Quality
Telephone: 804-698-4123
Last EDR Contact: 07/19/2024
Next Scheduled EDR Contact: 11/04/2024
Data Release Frequency: Varies

TIER 2: Tier 2 Information Listing
A listing of facilities which store or manufacture hazardous materials and submit a chemical inventory report.

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 09/15/2023
Date Made Active in Reports: 12/07/2023
Number of Days to Update: 83

Source: Department of Environmental Quality
Telephone: 804-698-4159
Last EDR Contact: 06/07/2024
Next Scheduled EDR Contact: 09/23/2024
Data Release Frequency: No Update Planned

UIC: Underground Injection Control Wells
A listing of underground injection controls wells.

Date of Government Version: 04/23/2024
Date Data Arrived at EDR: 04/24/2024
Date Made Active in Reports: 07/16/2024
Number of Days to Update: 83

Source: Department of Mines, Minerals and Energy
Telephone: 276-415-9700
Last EDR Contact: 07/23/2024
Next Scheduled EDR Contact: 11/04/2024
Data Release Frequency: Quarterly

**EDR HIGH RISK HISTORICAL RECORDS**

***EDR Exclusive Records***

EDR MGP: EDR Proprietary Manufactured Gas Plants
The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historical Auto Stations
EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historical Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

**EDR RECOVERED GOVERNMENT ARCHIVES**

***Exclusive Recovered Govt. Archives***

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environmental Quality in Virgina.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/20/2014
Number of Days to Update: 203

Source: Department of Environmental Quality
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environmental Quality in Virgina and at the Regional VA Levels.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/15/2014
Number of Days to Update: 198

Source: Department of Environmental Quality
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

**OTHER DATABASE(S)**

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 05/05/2024
Date Data Arrived at EDR: 05/07/2024
Date Made Active in Reports: 08/01/2024
Number of Days to Update: 86

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 08/06/2024
Next Scheduled EDR Contact: 11/18/2024
Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 04/10/2019
Date Made Active in Reports: 05/16/2019
Number of Days to Update: 36

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 06/26/2024
Next Scheduled EDR Contact: 10/14/2024
Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data
Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 11/30/2023
Date Made Active in Reports: 12/01/2023
Number of Days to Update: 1

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 07/25/2024
Next Scheduled EDR Contact: 11/04/2024
Data Release Frequency: Quarterly

PA MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 06/30/2018
Date Data Arrived at EDR: 07/19/2019
Date Made Active in Reports: 09/10/2019
Number of Days to Update: 53

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 07/03/2024
Next Scheduled EDR Contact: 10/21/2024
Data Release Frequency: Annually

RI MANIFEST: Manifest information
Hazardous waste manifest information

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 11/30/2021
Date Made Active in Reports: 02/18/2022
Number of Days to Update: 80

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 08/08/2024
Next Scheduled EDR Contact: 11/26/2024
Data Release Frequency: Annually

WI MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 05/31/2018
Date Data Arrived at EDR: 06/19/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 76

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 06/03/2024
Next Scheduled EDR Contact: 09/16/2024
Data Release Frequency: Annually

Oil/Gas Pipelines
Source: Endeavor Business Media
Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by Endeavor Business Media. This information is provided on a best effort basis and Endeavor Business Media does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of Endeavor Business Media.

Electric Power Transmission Line Data
Source: Endeavor Business Media
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Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

AHA Hospitals:
Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing
Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Licensed Facilities
Source: Department of Social Services
Telephone: 804-692-1900

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005, 2010 and 2015 from the U.S. Fish and Wildlife Service.

**STREET AND ADDRESS INFORMATION**

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# APPENDIX G
# LOCAL RECORDS/PRIOR REPORTS

PRINCE WILLIAM COUNTY
DEPARTMENT OF FIRE AND RESCUE
HAZARDOUS MATERIALS INCIDENT RESPONSE REPORT

| INCIDENT INFORMATION | |
|---|---|
| Incident #: MNSS200000684 | Date/Time: 2/7/2020 02:29 |
| Location: 10661 Frank Marshall Ln Manassas Va 20110 | |
| Report Completed by: Hoffman | Incident Commander: Nary |

| HAZMAT PERSONNEL ON SCENE |
|---|
| HM506 Unit personnel: Hoffman, Kolbas, Berstresser |
| HS516 Unit personnel: Click to enter text. |
| Other HM Personnel: Captain Adams |

| INCIDENT NARRATIVE |
|---|
| RE521 requested phone consult for foam after system activation in airport hanger. After speaking with RE521 the DHM decided to go enroute to the scene to assess situation and document event. The magnitude of the foam activation was unknown until arrival. Due to the amount of foam and the positioning of it all there was no way to tell if it made it into any storm drains. There was approximately a 500 ft x 500 ft area of foam, at some areas as much as 15 ft deep. HMO 502 arrived on scene and spoke with the responsible party. The repsosible party stated that the clean up would be performed by the installing company but he was unable to get intouch with them. The responsible party was given an LEPC form and told to contact contact a contractor. HMO 502 advised that he would take care of notifing DEQ, EPA, and PWC watershed. As such he would enter the contacts and notification into the report once done. HMO 502 released HM506 and R506 from scene advising that he would remain on scene until a clean up company got there. |

| NOTIFICATIONS/CONTACTS |
|---|
| Notification/Contact Type:Responsible Party |
| Date/Time: Click or tap here to enter text. |
| Name: Ron Flemming |
| Company/Agency: Leidos |
| Address: Click to enter text. |
| Phone/Email: 7034793420 ronnie.flemming@leidos.com |
| Notes: Click to enter text. |

Repeating Section Click + to add additional entries:

| NOTIFICATIONS/CONTACTS |
|---|
| Notification/Contact Type:Other |
| Date/Time: Click or tap here to enter text. |
| Name: Chris Way |
| Company/Agency: Hepaco Environmental |
| Address: Click to enter text. |

| |
|---|
| Phone/Email: 8044001057 |
| Notes: Click to enter text. |

Repeating Section Click + to add additional entries:

| NOTIFICATIONS/CONTACTS |
|---|
| Notification/Contact Type:Agency Notification |
| Date/Time: 02-02-2020 0332 |
| Name: Alan Lacy |
| Company/Agency: Virginia DEQ |
| Address: Click to enter text. |
| Phone/Email: Click to enter text. |
| Notes: Click to enter text. |

Repeating Section Click + to add additional entries:

| NOTIFICATIONS/CONTACTS |
|---|
| Notification/Contact Type:Agency Notification |
| Date/Time: 0330 |
| Name: Brian Miser |
| Company/Agency: PWC Emergency Management |
| Address: Click to enter text. |
| Phone/Email: Click to enter text. |
| Notes: Click to enter text. |

Repeating Section Click + to add additional entries:

| NOTIFICATIONS/CONTACTS |
|---|
| Notification/Contact Type:Agency Notification |
| Date/Time: 0445 |
| Name: David Ungar/Clay Morris |
| Company/Agency: PWC Watershed |
| Address: Click to enter text. |
| Phone/Email: Click to enter text. |
| Notes: Click to enter text. |

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| NOTIFICATIONS/CONTACTS |
|---|
| Notification/Contact Type:Agency Represenative |
| Date/Time: 0400 |
| Name: Jim Hartnett |
| Company/Agency: City of Manassas Fire Marshal |
| Address: Click to enter text. |
| Phone/Email: Click to enter text. |
| Notes: Click to enter text. |

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| |
|---|
| Additional Notes/Information:<br>**Additional Note – 02/07/2020 – 12:09 – at approximately 0900 a representative from the fire suppression company confirmed that only the C2 foam was released with this event. The C2 SDS will be attached to this report.** |
| HAZMAT Officer Comments:<br>HMO502 arrived on the scene proximity 0330 hrs. HMO502 received a situation update from HAZMAT 506. Captain Adams spoke with the responsible party on the scene, Ron Fleming, and advised of the importance of contracting a company to perform clean up of the released product. It was unclear at this time what type of foam was released as two types were housed on site, CHEMGUARD 3% AFFF and CHEMGUARD C2. After some delay Mr. Fleming contacted a known contractor on the Department's Discharge Paperwork. This contractor did not feel their services were necessary and provided incorrect information to the responsible party. This added to delay clean up efforts. HAZMAT 506 performed run off conservation efforts, by creating a Dam to collect product in a near by drainage ditch. Other drains in the area were not addressed as they were inaccessible due to the large covering of Foam. At proximity 0500hrs, Mr. Fleming contacted Another known contractor, HEPACO. HEPACO quoted the responsible party a 1 hour time frame for contract paperwork, and an additional two plus hour until units would be on the scene. I deemed this response to be unacceptable and reached out to HEPACO representative Chris Way. I advised him of the size of the spill and its importance. He was not given the proper information from the responsible party, and as a result had to change this company's response. This added to another delay. HMO502 made notifications to Virginia Department of Environmental Quality, Alan Lacy at 0440hrs. Manassas FMO was notified at 0400 hrs. David Ungar of PWC Storm Water Management was contacted at 0445. HMO502 and Manassas City BC Nary turned the scene over to Manassas Airport Management and Manassas PD, after the HEPACO acknowledged they were in route. HMO502 Follow up actions. At 0600 a large storm entered the area with heavy rain and high winds. HMO502 returned to the scene to receive a update on clean efforts. Captains found a majority of the foam product had been washed and was now in the form of runoff into local streams. PW Emergency Management was notified prior to the storms and took the lead on addressing environmental impact outreach to neighboring Counties. 0900hrs HEPACO arrived on the scene to address clean up. Virginia Department of Emergency Management was giving a courtesy notification at 1030hrs. |
| Fire Marshal Assigned: YES Lead Officer: Manassas FM |
| Discharge/LEPC Form Provided: ☒ Date/Time: 02/07/2020 0345hrs<br>Provided to Name: Ron Flemings |

| | |
|---|---|
| VA EOC Notified Date/Time: 2/7/2020 10:30 | Name: unknown |

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photos:



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photos:



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photos:



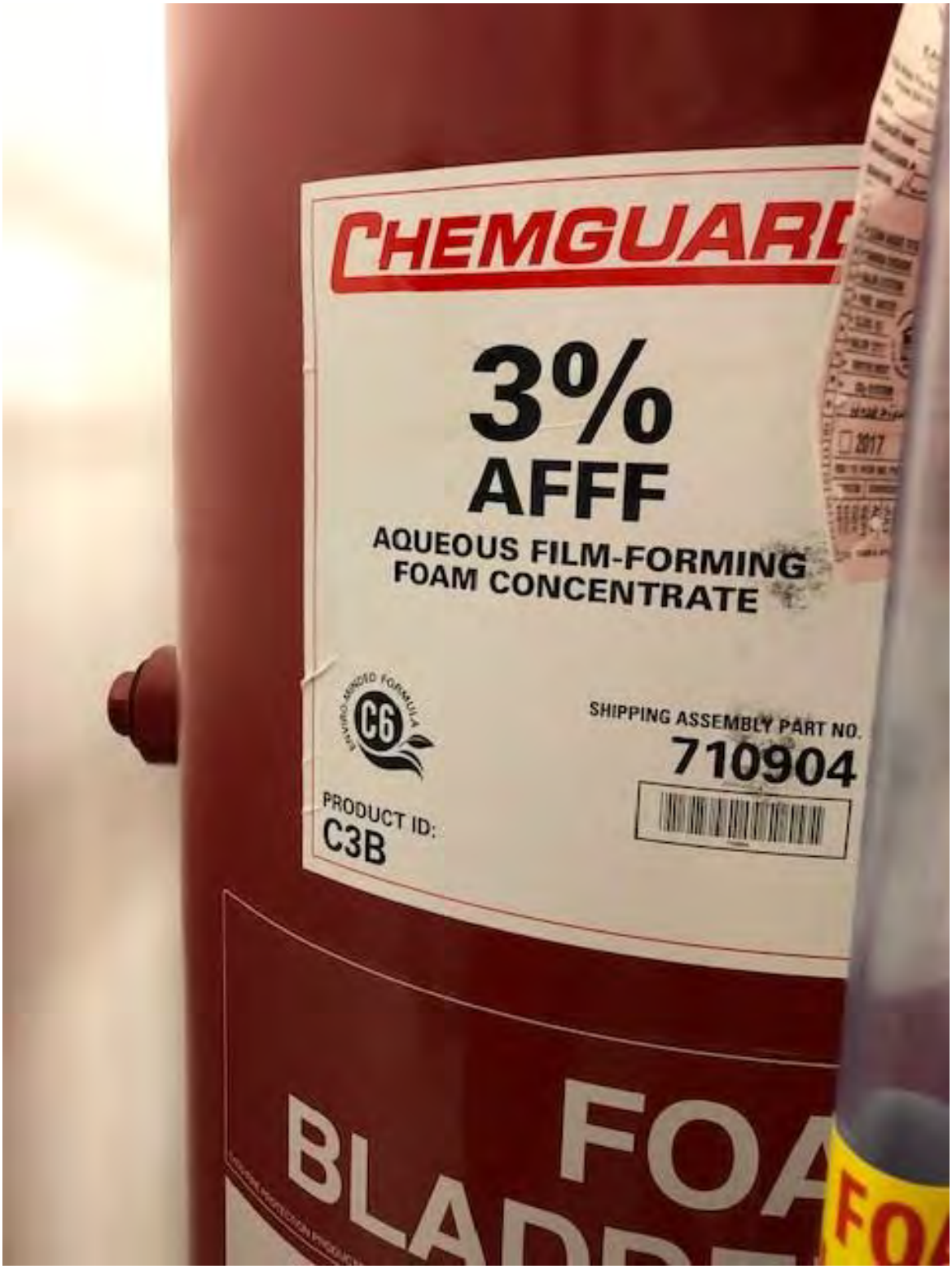
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CHEMGUARD

## Safety Data Sheet

This safety data sheet complies with the requirements of: 2012 OSHA Hazard Communication Standard ( 29CFR 1910.1200)

**Product name** CHEMGUARD C2

### 1. Identification

**1.1. Product Identifier**
**Product name** CHEMGUARD C2

**1.2. Other means of identification**
**Product code** 770184
**Synonyms** None
**Chemical Family** No information available

**1.3. Recommended use of the chemical and restrictions on use**
**Recommended use** Fire extinguishing agent.
**Uses advised against** Consumer use.

**1.4. Details of the Supplier of the Safety Data Sheet**
**Company Name** Tyco Fire Protection Products
One Stanton Street
Marinette, WI 54143-2542
Telephone: 715-735-7411
**Contact point** Product Stewardship at 1-715-735-7411
**E-mail address** psra@tycofp.com

**1.5. Emergency Telephone Number**
**Emergency telephone** CHEMTREC 001-800-424-9300 or 001-703-527-3887

### 2. Hazards Identification

**Classification**

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Acute toxicity - Oral - Category 4
Serious eye damage/eye irritation - Category 1

**2.2. Label Elements**

**Signal Word**
DANGER

**Hazard Statements**
Harmful if swallowed
Causes serious eye damage



**Precautionary Statements**

**Revision date** 29-Nov-2017 **Version** 3

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photos:

**Prevention**
Wash face, hands and any exposed skin thoroughly after handling. Do not eat, drink or smoke when using this product. Wear protective gloves/protective clothing/eye protection/face protection.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.
IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth.

**Disposal**
Dispose of contents/container to an approved waste disposal plant.

### 2.3. Hazards Not Otherwise Classified (HNOC)
Not Applicable.

### 2.4. Other Information
Harmful to aquatic life with long lasting effects. Harmful to aquatic life.

Unknown Acute Toxicity 1.914% of the mixture consists of ingredient(s) of unknown toxicity

## 3. Composition/information on Ingredients

### 3.1. Mixture
The following component(s) in this product are considered hazardous under applicable OSHA(USA)

| Chemical name | CAS No. | weight-% |
|---|---|---|
| Ammonium Lauryl Sulfate | 2235-54-3 | 10 - 30 |
| Ethylene Glycol | 107-21-1 | 10 - 30 |
| 2-(2-Butoxyethoxy)ethanol | 112-34-5 | 3 - 7 |
| n-Propanol | 71-23-8 | 1 - 5 |
| Lauryl Alcohol | 112-53-8 | 1 - 5 |
| 1-Tetradecanol | 112-72-1 | 0.1 - 1 |

## 4. First aid measures

### 4.1. Description of first aid measures
**General Advice** If symptoms persist, call a physician.

**Eye Contact** Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.

**Skin contact** Wash skin with soap and water. Get medical attention if irritation develops and persists.

**Inhalation** Remove to fresh air. If breathing is difficult, give oxygen. (Get medical attention immediately if symptoms occur.).

**Ingestion** Rinse mouth. Do not induce vomiting without medical advice. If swallowed, call a poison control center or physician immediately.

### 4.2. Most Important Symptoms and Effects, Both Acute and Delayed
**Symptoms** No information available.

### 4.3. Indication of Any Immediate Medical Attention and Special Treatment Needed
**Note to physicians** Treat symptomatically.

## 5. Fire-fighting measures

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CHEMGUARD

**Product code** 770184 / **Product name** CHEMGUARD C2 / **PAGE** 3 / 9

**5.1. Suitable Extinguishing Media**
Product is extinguishing agent. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**5.2. Unsuitable Extinguishing Media**
None.

**5.3. Specific Hazards Arising from the Chemical**
None known.

| | |
|---|---|
| **Hazardous Combustion Products** | Carbon oxides, Nitrogen oxides (NOx), Oxides of sulfur |

**5.4. Explosion Data**

| | |
|---|---|
| **Sensitivity to Mechanical Impact** | None. |
| **Sensitivity to Static Discharge** | None. |

**5.5. Protective Equipment and Precautions for Firefighters**
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## 6. Accidental release measures

**6.1. Personal precautions, protective equipment and emergency procedures**

| | |
|---|---|
| **Personal Precautions** | Ensure adequate ventilation, especially in confined areas. |
| **For emergency responders** | Use personal protection recommended in Section 8. |

**6.2. Environmental Precautions**

| | |
|---|---|
| **Environmental Precautions** | Prevent further leakage or spillage if safe to do so. Prevent entry into waterways, sewers, basements or confined areas. See Section 12 for additional Ecological Information. |

**6.3. Methods and material for containment and cleaning up**

| | |
|---|---|
| **Methods for Containment** | Prevent further leakage or spillage if safe to do so. |
| **Methods for Cleaning Up** | Pick up and transfer to properly labeled containers. |

## 7. Handling and Storage

**7.1. Precautions for Safe Handling**

| | |
|---|---|
| **Advice on safe handling** | Avoid contact with skin and eyes. Handle in accordance with good industrial hygiene and safety practice. |

**7.2. Conditions for safe storage, including any incompatibilities**

| | |
|---|---|
| **Storage Conditions** | Keep containers tightly closed in a dry, cool and well-ventilated place. |
| **Incompatible Materials** | Strong oxidizing agents. Strong acids. Strong bases. |

## 8. Exposure Controls/Personal Protection

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**8.1. Control Parameters**

**Exposure guidelines**

| Chemical name | ACGIH TLV | OSHA PEL | NIOSH IDLH | Mexico OEL |
|---|---|---|---|---|
| Ethylene Glycol<br>107-21-1 | STEL: 50 ppm vapor fraction<br>STEL: 10 mg/m³ inhalable particulate matter, aerosol only<br>TWA: 25 ppm vapor fraction | - | - | 100 mg/m³ (Ceiling) |
| 2-(2-Butoxyethoxy)ethanol<br>112-34-5 | TWA: 10 ppm inhalable fraction and vapor | - | - | - |
| n-Propanol<br>71-23-8 | TWA: 100 ppm | - | IDLH: 800 ppm<br>TWA: 200 ppm<br>TWA: 500 mg/m³<br>STEL: 250 ppm<br>STEL: 625 mg/m³ | TWA 200 ppm (VLE-PPT)<br>TWA 500 mg/m³ (VLE-PPT)<br>STEL 250 ppm(PPT-CT)<br>STEL 625 mg/m³(PPT-CT) |

*ACGIH (American Conference of Governmental Industrial Hygienists) OSHA (Occupational Safety and Health Administration of the US Department of Labor) NIOSH IDLH Immediately Dangerous to Life or Health*

**8.2. Appropriate Engineering Controls**

**Engineering controls** Ensure adequate ventilation, especially in confined areas.

**8.3. Individual protection measures, such as personal protective equipment**

**Eye/Face Protection** Avoid contact with eyes. Tight sealing safety goggles.

**Skin and Body Protection** Wear protective gloves and protective clothing.

**Respiratory Protection** If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

**Ventilation** Use local exhaust or general dilution ventilation to control exposure with applicable limits.

**8.4. General hygiene considerations**

Do not eat, drink or smoke when using this product. Handle in accordance with good industrial hygiene and safety practice.

## 9. Physical and Chemical Properties

**9.1. Information on basic physical and chemical properties**

| | | | |
|---|---|---|---|
| **Physical State** | Liquid | | |
| **Odor** | No data available | **Color** | No data available |
| **Odor Threshold** | No data available | | |

| Property | Values | Remarks • Method |
|---|---|---|
| **pH** | No data available | |
| **Melting point/freezing point** | No data available | |
| **Boiling point / boiling range** | No data available | |
| **Flash Point** | No data available | |
| **Evaporation Rate** | No data available | |
| **Flammability (solid, gas)** | No data available | |
| **Flammability limit in air** | | |
| **Upper flammability limit:** | No data available | |

**Revision date** 29-Nov-2017 **Version** 3

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| | |
|---|---|
| **Lower flammability limit:** | No data available |
| **Vapor Pressure** | No data available |
| **Vapor Density** | No data available |
| **Specific gravity** | No data available |
| **Water Solubility** | No data available |
| **Solubility in Other Solvents** | No data available |
| **Partition coefficient** | No data available |
| **Autoignition Temperature** | No data available |
| **Decomposition Temperature** | No data available |
| **Kinematic viscosity** | No data available |

## 10. Stability and Reactivity

**10.1. Chemical Stability**

Stable under recommended storage conditions.

**10.2. Reactivity**
No data available

**10.3. Possibility of hazardous reactions**

None under normal processing.

**Hazardous Polymerization** Hazardous polymerization does not occur.

**10.4. Conditions to Avoid**

Extremes of temperature and direct sunlight.

**10.5. Incompatible Materials**

Strong oxidizing agents. Strong acids. Strong bases.

**10.6. Hazardous decomposition products**

Carbon oxides. Nitrogen oxides (NOx). Oxides of sulfur.

## 11. Toxicological Information

**11.1. Information on Likely Routes of Exposure**

| | |
|---|---|
| **Product information** | No data available |
| **Inhalation** | No data available. |
| **Eye Contact** | No data available. |
| **Skin contact** | No data available. |
| **Ingestion** | No data available. |

**Acute Toxicity**

| Chemical name | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|---|---|---|---|
| Ammonium Lauryl Sulfate<br>2235-54-3 | = 4700 mg/kg ( Rat ) | - | - |
| Ethylene Glycol<br>107-21-1 | = 4700 mg/kg ( Rat ) | = 10600 mg/kg ( Rat ) = 9530 µL/kg ( Rabbit ) | - |

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| | | | |
|---|---|---|---|
| 2-(2-Butoxyethoxy)ethanol 112-34-5 | = 5660 mg/kg ( Rat ) | = 2700 mg/kg ( Rabbit ) | - |
| n-Propanol 71-23-8 | = 1870 mg/kg ( Rat ) | = 4049 mg/kg ( Rabbit ) | > 13548 ppm ( Rat ) 4 h |
| Lauryl Alcohol 112-53-8 | > 12800 mg/kg ( Rat ) | - | - |
| 1-Tetradecanol 112-72-1 | > 20 g/kg ( Rat ) | = 8 g/kg ( Rabbit ) | - |

**11.2. Information on Toxicological Effects**

**Symptoms** No information available.

**11.3. Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Skin Corrosion/Irritation** No information available.
**Serious eye damage/eye irritation** No information available.
**Sensitization** No information available.
**Germ Cell Mutagenicity** No information available.
**Carcinogenicity** No information available.
**Reproductive Toxicity** No information available.
**STOT - Single Exposure** No information available.
**STOT - Repeated Exposure** No information available.
**Chronic Toxicity** Avoid repeated exposure.
**Target organ effects** Central Nervous System, Eyes, Gastrointestinal tract (GI), Respiratory System, Skin.
**Aspiration Hazard** No information available.

**11.4. Numerical Measures of Toxicity - Product information**

**The following values are calculated based on chapter 3.1 of the GHS document** mg/kg

## 12. Ecological Information

**12.1. Ecotoxicity**

Harmful to aquatic life with long lasting effects.

0% of the mixture consists of components(s) of unknown hazards to the aquatic environment

| Chemical name | Algae/aquatic plants | Fish | Crustacea |
|---|---|---|---|
| Ethylene Glycol 107-21-1 | EC50 (96h) 6500 - 13000 mg/L Pseudokirchneriella subcapitata | LC50 (96h) static 40000 - 60000 mg/L Pimephales promelas LC50 (96h) static = 27540 mg/L Lepomis macrochirus LC50 (96h) = 41000 mg/L Oncorhynchus mykiss LC50 (96h) static 14 - 18 mL/L Oncorhynchus mykiss LC50 (96h) static = 16000 mg/L Poecilia reticulata LC50 (96h) static = 40761 mg/L Oncorhynchus mykiss | EC50 (48h) = 46300 mg/L Daphnia magna |
| 2-(2-Butoxyethoxy)ethanol 112-34-5 | EC50 (96h) > 100 mg/L Desmodesmus subspicatus | LC50 (96h) static = 1300 mg/L Lepomis macrochirus | EC50 (48h) > 100 mg/L Daphnia magna EC50 (24h) = 2850 mg/L Daphnia magna |
| n-Propanol 71-23-8 | - | LC50 (96h) flow-through = 4480 mg/L Pimephales promelas | EC50 (48h) = 3642 mg/L Daphnia magna EC50 (48h) Static 3339 - 3977 mg/L Daphnia magna |
| Lauryl Alcohol 112-53-8 | EC50 (96h) = 0.62 mg/L Desmodesmus subspicatus | LC50 (96h) = 0.1855 mg/L Pimephales promelas LC50 (96h) flow-through = 1.01 mg/L Pimephales promelas | EC50 (48h) = 320 mg/L Daphnia magna |
| 1-Tetradecanol 112-72-1 | EC50 (96h) > 10 mg/L Desmodesmus subspicatus | LC50 (96h) > 10000 mg/L Brachydanio rerio | - |

**Revision date** 29-Nov-2017 **Version** 3

Repeating Section Click + to add additional entries:

photos:

**12.2. Persistence and Degradability**
No information available.

**12.3. Bioaccumulation**
No information available.

| Chemical name | Partition coefficient |
|---|---|
| Ethylene Glycol<br>107-21-1 | -1.93 |
| n-Propanol<br>71-23-8 | 0.25 - 0.34 |
| Lauryl Alcohol<br>112-53-8 | 5.36 |
| 1-Tetradecanol<br>112-72-1 | 5.5 |

**12.4. Other Adverse Effects**
No information available

## 13. Disposal Considerations

**13.1. Waste Treatment Methods**

**Disposal of wastes** Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Contaminated Packaging** Do not reuse container.

## 14. Transport Information

**DOT** NOT REGULATED

**TDG** NOT REGULATED

**MEX** NOT REGULATED

**ICAO (air)** NOT REGULATED

**IATA** NOT REGULATED

**IMDG** NOT REGULATED

## 15. Regulatory Information

**15.1. International Inventories**

| | |
|---|---|
| **TSCA** | Complies |
| **DSL/NDSL** | Complies |
| **ENCS** | Does not comply |
| **IECSC** | Complies |
| **KECL** | Complies |
| **PICCS** | Complies |
| **AICS** | Complies |

**Legend:**
**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory
**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List



Repeating Section Click + to add additional entries:

photos:

**ENCS** - Japan Existing and New Chemical Substances
**IECSC** - China Inventory of Existing Chemical Substances
**KECL** - Korean Existing and Evaluated Chemical Substances
**PICCS** - Philippines Inventory of Chemicals and Chemical Substances
**AICS** - Australian Inventory of Chemical Substances

### 15.2. US Federal Regulations

**SARA 313**
Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

| Chemical name | SARA 313 - Threshold Values % |
|---|---|
| Ethylene Glycol - 107-21-1 | 1.0 |
| 2-(2-Butoxyethoxy)ethanol - 112-34-5 | 1.0 |

**SARA 311/312 Hazard Categories**

| | |
|---|---|
| **Acute Health Hazard** | Yes |
| **Chronic health hazard** | No |
| **Fire Hazard** | No |
| **Sudden Release of Pressure Hazard** | No |
| **Reactive Hazard** | No |

**CWA (Clean Water Act)**
This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

**CERCLA**
This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

| Chemical name | Hazardous Substances RQs | CERCLA/SARA RQ | Reportable Quantity (RQ) |
|---|---|---|---|
| Ethylene Glycol<br>107-21-1 | 5000 lb | - | RQ 5000 lb final RQ<br>RQ 2270 kg final RQ |

### 15.3. US State Regulations

| Chemical name | California Proposition 65 |
|---|---|
| Ethylene Glycol - 107-21-1 | Developmental |

**U.S. State Right-to-Know Regulations**

| Chemical name | New Jersey | Massachusetts | Pennsylvania |
|---|---|---|---|
| Ethylene Glycol<br>107-21-1 | X | X | X |
| 2-(2-Butoxyethoxy)ethanol<br>112-34-5 | X | - | X |
| n-Propanol<br>71-23-8 | X | X | X |

### 16. Other information, including date of preparation of the last revision

| | | | | |
|---|---|---|---|---|
| **NFPA** | **Health Hazards** 2 | **Flammability** 0 | **Instability** 0 | **Physical and chemical properties** - |
| **HMIS** | **Health Hazards** 2 | **Flammability** 0 | **Physical Hazards** 0 | **Personal Protection** X |

**Revision date** 29-Nov-2017
**Revision note** No information available.



Repeating Section Click + to add additional entries:

photos:

**Disclaimer**
**The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.**

**End of Safety Data Sheet**



Repeating Section Click + to add additional entries:

# APPENDIX B
# CITY OF MANASSAS SPILL REPORT FORM

DATE AND TIME OF HAZARDOUS RELEASE

7/25/2022 9:59 am

EXACT LOCATION OF SPILL (Street address, Lat Lon, Description of location, etc be very specific)

10661 Frank Marshall Lane Manassas, VA 20110

CHEMICAL SPILLED AND APPROXIMATE AMOUNT

COMPOSITION / INFORMATION ON INGREDIENTS
ACGIH/PPM OSHA/PPM
CAS NO. Common Name TWA STEL PEL % by wt
7732-18-5 water 25 - 35%
112-34-5 diethylene glycol monobutyl ether 3% - 6%
107-21-1 ethylene glycol 12-17%
proprietary mixture of alkyl sulfates, ethoxylates
and solvents
1/2 gallon approximately was released onto the parking lot

CIRCUMSTANCES CAUSING RELEASE

Had an Annual inspection of the foam suppression system, and they need to retreive chemical from tanks to provide samples for labs.

METHOD OF RELEASE

samples of foam concentrate was being removed from containers for the annual foam suppression systems sample of product for labs.

LOCATION OF DISPOSAL (Where stored, contractor who removed, manifest or invoice number, etc.)

Was hosed down into the drain.

ACTIONS TAKEN TO PREVENT SIMILAR INCIDENT

In the future I've asked the vendor/contractor to bring in some type of container to catch the over spill during the retrieval of the samples for the lab, then we will discard into the oil water separator.

NAME AND DEPARTMENT OF PERSON COMPLETING REPORT

Susan Moore JLL/Leidos

**SUBMIT**

# APPENDIX B
# CITY OF MANASSAS SPILL REPORT FORM

DATE AND TIME OF HAZARDOUS RELEASE

7/25/2022 9:59 am

EXACT LOCATION OF SPILL (Street address, Lat Lon, Description of location, etc be very specific)

10661 Frank Marshall Lane Manassas, VA 20110

CHEMICAL SPILLED AND APPROXIMATE AMOUNT

COMPOSITION / INFORMATION ON INGREDIENTS
ACGIH/PPM OSHA/PPM
CAS NO. Common Name TWA STEL PEL % by wt
7732-18-5 water 25 - 35%
112-34-5 diethylene glycol monobutyl ether 3% - 6%
107-21-1 ethylene glycol 12-17%
proprietary mixture of alkyl sulfates, ethoxylates
and solvents
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In the future I've asked the vendor/contractor to bring in some type of container to catch the over spill during the retrieval of the samples for the lab, then we will discard into the oil water separator.

NAME AND DEPARTMENT OF PERSON COMPLETING REPORT

Susan Moore JLL/Leidos

**SUBMIT**

Clearfield MMG
resourceful waste management

# Waste Profile Form

## Applicant / Agent Information

| | |
|---|---|
| **Company Name:** | First Call Environmental |
| **Address:** | 11008 Richardson Rd |
| **City / State / Zip:** | Ashland, Virginia 23005 |
| **Contact:** | Josh Dix |
| **Phone:** | 804-489-7421 |
| **e-mail:** | JDix@firstcallenvironmental.com |

## Generator Information

| | |
|---|---|
| **Company Name:** | Leidos |
| **Address:** | 10660 Frank Marshall Lane |
| **City / State / Zip:** | Manassas, Va |
| **Contact:** | Taylor Kickler |
| **Phone:** | 804-801-4668 |
| **e-mail:** | tkickler@firstcallenvironmental.com |

**Site Name:** Leidos

**Site Address:** 10660 Frank Marshall Lane, Manassas Va

**Source of Contamination:** ☐ UST ☐ AST ☑ Spill ☐ Historical / Other: _____

**Waste Generating Activity:** Spill Cleanup

## Waste Characterization

Applicant must complete the following information and attach all supporting laboratory analyses and / or SDS utilized to characterize the material as non-hazardous and acceptable for receipt by Clearfield MMG.

**Common Waste Name:** C2 High expansion Foam concentrate impacted water

**Type of Waste:** ☐ Soil ☐ Sludge ☑ Liquid ☐ Absorbents ☐ Other: _____

**Type of Contamination:** ☐ Unused Petroleum ☐ Used Petroleum ☐ No Petroleum ☑ Other

*(list all contaminants & include type of petroleum, if any)* : C2 High Expansion Foam Concentrate Impacted water

**Flash Point Range:** >200 **pH Range:** 5-9 **Reactive:** ☐ YES ☑ NO

**Quantity:** 700 **Units:** Gallons **Lab Analysis / SDS Attached:** ☑ YES ☐ NO

## Generator Certification

I hereby certify, based upon my diligent inquiry into the activities and processes generating the waste described on this form, that these materials are not classified as listed or characteristic hazardous waste as regulated by the Commonwealth of Virginia or the state of origin of this waste; that the materials do not contain 50.0 parts per million or more of polychlorinated biphenyls (PCB's); that the analytical results, completed *Waste Profile Form* and attached documentation are a representative, true, and accurate description of these materials; that no deliberate or willful omissions have been made in the preparation of this form; and that all known or suspect hazards have been disclosed herein. I further acknowledge that I am aware it is the duty of all persons to dispose of their solid waste in a legal manner (Va.Code ' 10.1-1418.1.A).

8/30/21

*Generator or Agent Signature / Date*

Taylor Kickler-on behalf of the Generator

*Generator or Agent Printed Name*

**If I am an agent signing on behalf of the generator, I have confirmed with the generator that the information contained in this profile is accurate and complete.**

## For Facility Use Only

Approved By: _____ Approval Code: _____

Approval Date: _____ Comments: _____

CHEMGUARD

# Safety Data Sheet

This safety data sheet complies with the requirements of: 2012 OSHA Hazard Communication Standard ( 29CFR 1910.1200)

**Product name** CHEMGUARD C2

## 1. Identification

### 1.1. Product Identifier

**Product name** CHEMGUARD C2

### 1.2. Other means of identification

**Product code** 711020
**Synonyms** None
**Chemical Family** No information available

### 1.3. Recommended use of the chemical and restrictions on use

**Recommended use** Fire extinguishing agent.
**Uses advised against** Consumer use.

### 1.4. Details of the Supplier of the Safety Data Sheet

**Company Name** Tyco Fire Protection Products
One Stanton Street
Marinette, WI 54143-2542
Telephone: 715-735-7411
**Contact point** Product Stewardship at 1-715-735-7411
**E-mail address** psra@tycofp.com

### 1.5. Emergency Telephone Number

**Emergency telephone** CHEMTREC 001-800-424-9300 or 001-703-527-3887

## 2. Hazards Identification

### Classification

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Acute toxicity - Oral - Category 4
Serious eye damage/eye irritation - Category 1

### 2.2. Label Elements

**Signal Word**
DANGER

**Hazard Statements**
Harmful if swallowed
Causes serious eye damage



**Precautionary Statements**

### 5.1. Suitable Extinguishing Media
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

### 5.2. Unsuitable Extinguishing Media
None.

### 5.3. Specific Hazards Arising from the Chemical
None known.

| | |
|---|---|
| **Hazardous Combustion Products** | Carbon oxides, Nitrogen oxides (NOx), Oxides of sulfur |

### 5.4. Explosion Data
**Sensitivity to Mechanical Impact** None.
**Sensitivity to Static Discharge** None.

### 5.5. Protective Equipment and Precautions for Firefighters
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## 6. Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

| | |
|---|---|
| **Personal Precautions** | Ensure adequate ventilation, especially in confined areas. |
| **For emergency responders** | Use personal protection recommended in Section 8. |

### 6.2. Environmental Precautions

| | |
|---|---|
| **Environmental Precautions** | Prevent further leakage or spillage if safe to do so. Prevent entry into waterways, sewers, basements or confined areas. See Section 12 for additional Ecological Information. |

### 6.3. Methods and material for containment and cleaning up

| | |
|---|---|
| **Methods for Containment** | Prevent further leakage or spillage if safe to do so. |
| **Methods for Cleaning Up** | Pick up and transfer to properly labeled containers. |

## 7. Handling and Storage

### 7.1. Precautions for Safe Handling

| | |
|---|---|
| **Advice on safe handling** | Avoid contact with skin and eyes. Handle in accordance with good industrial hygiene and safety practice. |

### 7.2. Conditions for safe storage, including any incompatibilities

| | |
|---|---|
| **Storage Conditions** | Keep containers tightly closed in a dry, cool and well-ventilated place. |
| **Incompatible Materials** | Strong oxidizing agents. Strong acids. Strong bases. |

## 8. Exposure Controls/Personal Protection

| | |
|---|---|
| **Vapor Pressure** | No data available |
| **Vapor Density** | No data available |
| **Specific gravity** | No data available |
| **Water Solubility** | No data available |
| **Solubility in Other Solvents** | No data available |
| **Partition coefficient** | No data available |
| **Autoignition Temperature** | No data available |
| **Decomposition Temperature** | No data available |
| **Kinematic viscosity** | No data available |
| **VOC content (%)** | 26.508 |

## 10. Stability and Reactivity

### 10.1. Chemical Stability

Stable under recommended storage conditions.

### 10.2. Reactivity

No data available

### 10.3. Possibility of hazardous reactions

None under normal processing.

**Hazardous Polymerization** Hazardous polymerization does not occur.

### 10.4. Conditions to Avoid

Extremes of temperature and direct sunlight.

### 10.5. Incompatible Materials

Strong oxidizing agents. Strong acids. Strong bases.

### 10.6. Hazardous decomposition products

Carbon oxides. Nitrogen oxides (NOx). Oxides of sulfur.

## 11. Toxicological Information

### 11.1. Information on Likely Routes of Exposure

**Product information** No data available

**Inhalation** No data available.

**Eye Contact** Corrosive to the eyes and may cause severe damage including blindness.

**Skin contact** No data available.

**Ingestion** Harmful if swallowed.

**Component Information**

**Acute Toxicity**

| Chemical name | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|---|---|---|---|
| Ammonium Lauryl Sulfate 2235-54-3 | = 4700 mg/kg ( Rat ) | - | - |
| Ethylene Glycol | = 4700 mg/kg ( Rat ) | = 10600 mg/kg ( Rat ) = 9530 µL/kg | - |

### 12.2. Persistence and Degradability
No information available.

### 12.3. Bioaccumulation
No information available.

| Chemical name | Partition coefficient |
|---|---|
| Ethylene Glycol<br>107-21-1 | -1.93 |
| n-Propanol<br>71-23-8 | 0.25 - 0.34 |
| Lauryl Alcohol<br>112-53-8 | 5.36 |
| 1-Tetradecanol<br>112-72-1 | 5.5 |

### 12.4. Other Adverse Effects
No information available

## 13. Disposal Considerations

### 13.1. Waste Treatment Methods
**Disposal of wastes** Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Contaminated Packaging** Do not reuse container.

## 14. Transport Information

**DOT** NOT REGULATED

**TDG** NOT REGULATED

**MEX** NOT REGULATED

**ICAO (air)** NOT REGULATED

**IATA** NOT REGULATED

**IMDG** NOT REGULATED

## 15. Regulatory Information

### 15.1. International Inventories
**TSCA** Complies
**DSL/NDSL** Complies
**ENCS** Complies
**IECSC** Complies
**KECL** Complies
**PICCS** Complies
**AICS** Complies

**Legend:**

| | | | | |
|---|---|---|---|---|
| **NFPA** | **Health Hazards** 2 | **Flammability** 0 | **Instability** 0 | **Physical and chemical properties** - |
| **HMIS** | **Health Hazards** 2 | **Flammability** 0 | **Physical Hazards** 0 | **Personal Protection** X |

**Revision date** 10-Feb-2020
**Revision note** No information available.

**Disclaimer**

**The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.**

**End of Safety Data Sheet**

**City Of Manassas Fire and Rescue Department**
**Office Of The Fire Marshal**
**9324 West Street – Suite 103**
**Manassas, Virginia 20110**
**703-257-8233**

# INCIDENT INVESTIGATION NARRATIVE

**Date: February 7, 2020**
**Alarm Time: 1:22:41**
**Fire Incident #: 2000684**
**Address: 10661 Frank Marshall Lane**
**Subject: High Expansion Foam System Activation**

## SUMMARY:

On the date and time above, Manassas City Fire Rescue and Prince William County Fire Rescue units responded to report of a fire alarm and fire suppression system activation. First arriving fire company found an aircraft hanger in alarm and the high expansion foam supersession system actively flowing foam from the hanger. The bay door was open and the foam product was spilling outside of the hanger into the surrounding area. Prince William County Hazardous Material Team was called in to assist with the mitigation of the event. FM 581 Jim Harnett, Water Compliance Officer Ivy Ozmon, City Safety Officer Victor Martino, Airport Operations Jolene Berry, and DEQ were all notified.

Leidos is the company occupying the building and aircraft hangar. Leidos representatives called Hepaco LLC for the foam clean up. William Dodd was the supervisor on site for Hepaco.

## ON SCENE IVESTIGATION:

I arrived on scene at 10:30 am to conducted a follow up investigation. I met with Leidos representatives and Eagle Fire Protection Company representatives. The investigation revealed at approximately 01:08 am, a flame sensor from inside the hanger detected a flame source and activated the high expansion foam system inside the aircraft hangar. An aircraft was operating outside of the hanger with the bay door open. It appears the flame sensor inside the hanger detected the engine running outside and activated the foam system. We looked at the data on the fire alarm panel to confirm the sequence of events.
While on scene, the clean up operation was on going and Eagle Fire was working on placing all detection and suppression systems back in service.

**CONCLUSION:**

Based on the information developed through the investigation, it is this investigators opinion that the system activated because the detection system inside the hanger activated the foam system.

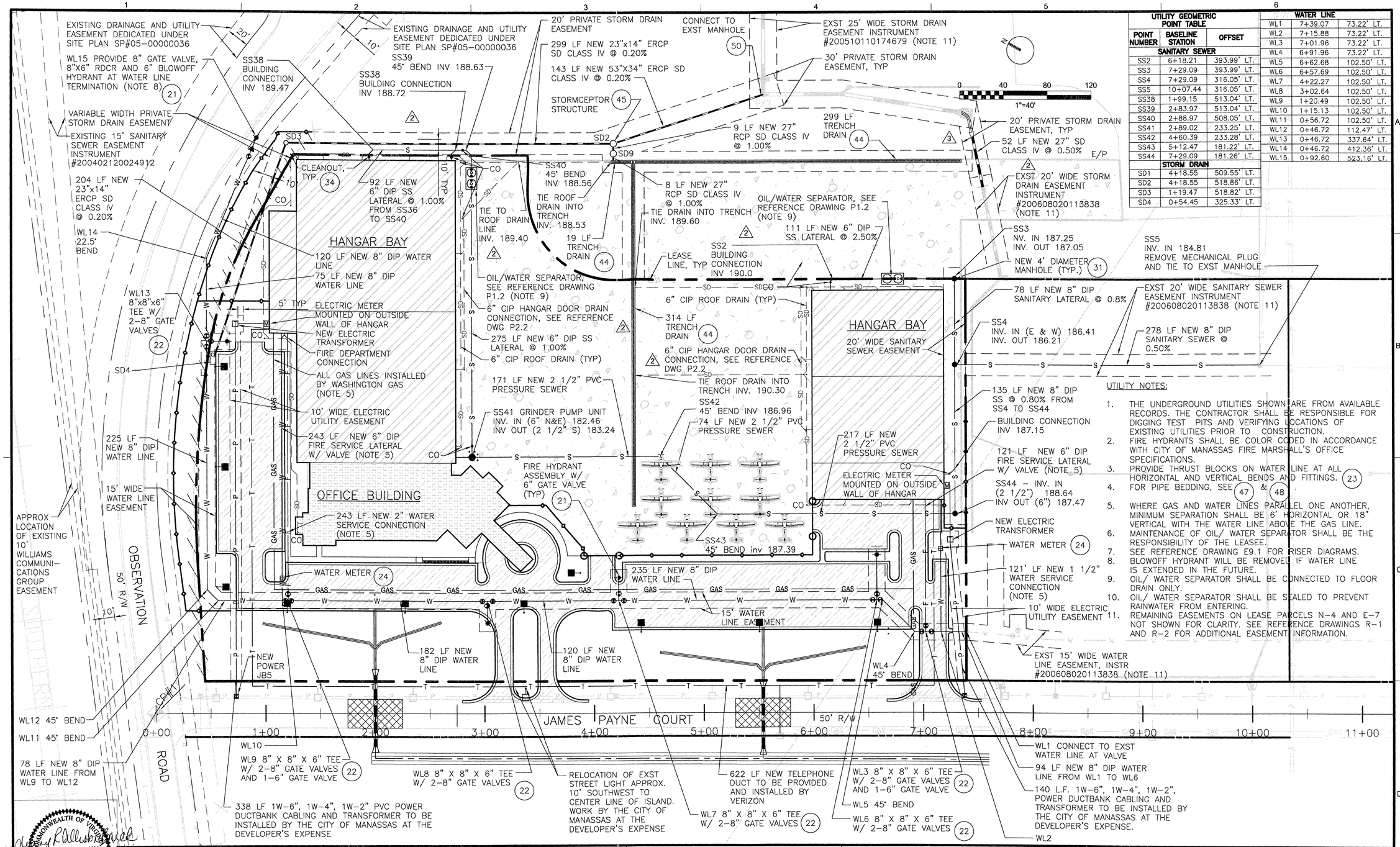
The classification of this event is accidental.

The above opinions are held to a reasonable degree of certainty and are based on a site visit, evidence, collected data and interviews. Should additional information change our understanding of the evidence, the City of Manassas Fire Marshals' Office reserves the right to amend our opinions.

**RECOMMENDATIONS:**

FM 582 Deputy Fire Marshal Mark Joyner respectfully recommends that this case be closed.

Mark H Joyner Mark H Joyner
Manassas Fire Marshal's Office
mjoyner@manassasva.gov
703-257-8455




| UTILITY GEOMETRIC POINT TABLE | | |
|---|---|---|
| POINT NUMBER | BASELINE STATION | OFFSET |
| **SANITARY SEWER** | | |
| SS2 | 6+18.21 | 393.99' LT. |
| SS3 | 7+29.09 | 393.99' LT. |
| SS4 | 7+29.09 | 316.05' LT. |
| SS5 | 10+07.44 | 316.05' LT. |
| SS38 | 1+99.15 | 513.04' LT. |
| SS39 | 2+83.97 | 513.04' LT. |
| SS40 | 2+88.97 | 508.05' LT. |
| SS41 | 2+89.02 | 233.25' LT. |
| SS42 | 4+60.39 | 233.28' LT. |
| SS43 | 5+12.47 | 181.22' LT. |
| SS44 | 7+29.09 | 181.26' LT. |
| **STORM DRAIN** | | |
| SD1 | 4+18.55 | 509.55' LT. |
| SD2 | 4+18.55 | 518.86' LT. |
| SD3 | 1+19.47 | 518.82' LT. |
| SD4 | 0+54.45 | 325.33' LT. |

| WATER LINE | | |
|---|---|---|
| WL1 | 7+39.07 | 73.22' LT. |
| WL2 | 7+15.88 | 73.22' LT. |
| WL3 | 7+01.96 | 73.22' LT. |
| WL4 | 6+91.96 | 73.22' LT. |
| WL5 | 6+62.68 | 102.50' LT. |
| WL6 | 6+57.69 | 102.50' LT. |
| WL7 | 4+22.27 | 102.50' LT. |
| WL8 | 3+02.64 | 102.50' LT. |
| WL9 | 1+20.49 | 102.50' LT. |
| WL10 | 1+15.13 | 102.50' LT. |
| WL11 | 0+56.72 | 102.50' LT. |
| WL12 | 0+46.72 | 112.47' LT. |
| WL13 | 0+46.72 | 337.64' LT. |
| WL14 | 0+46.72 | 412.36' LT. |
| WL15 | 0+92.60 | 523.16' LT. |

UTILITY NOTES:

1. THE UNDERGROUND UTILITIES SHOWN ARE FROM AVAILABLE RECORDS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DIGGING TEST PITS AND VERIFYING LOCATIONS OF EXISTING UTILITIES PRIOR TO CONSTRUCTION.
2. FIRE HYDRANTS SHALL BE COLOR CODED IN ACCORDANCE WITH CITY OF MANASSAS FIRE MARSHALL'S OFFICE SPECIFICATIONS.
3. PROVIDE THRUST BLOCKS ON WATER LINE AT ALL HORIZONTAL AND VERTICAL BENDS AND FITTINGS. 23
4. FOR PIPE BEDDING, SEE 47 & 48 .
5. WHERE GAS AND WATER LINES PARALLEL ONE ANOTHER, MINIMUM SEPARATION SHALL BE 6' HORIZONTAL OR 18" VERTICAL WITH THE WATER LINE ABOVE THE GAS LINE.
6. MAINTENANCE OF OIL/ WATER SEPARATOR SHALL BE THE RESPONSIBILITY OF THE LEASEE.
7. SEE REFERENCE DRAWING E9.1 FOR RISER DIAGRAMS.
8. BLOWOFF HYDRANT WILL BE REMOVED IF WATER LINE IS EXTENDED IN THE FUTURE.
9. OIL/ WATER SEPARATOR SHALL BE CONNECTED TO FLOOR DRAIN ONLY.
10. OIL/ WATER SEPARATOR SHALL BE SEALED TO PREVENT RAINWATER FROM ENTERING.
11. REMAINING EASEMENTS ON LEASE PARCELS N-4 AND E-7 NOT SHOWN FOR CLARITY. SEE REFERENCE DRAWINGS R-1 AND R-2 FOR ADDITIONAL EASEMENT INFORMATION.

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REUSE OF DOCUMENTS:

FINAL SITE PLAN SUBMISSION

COMMONWEALTH OF VIRGINIA
MELANY R. ALLISTON
No. 041103
PROFESSIONAL ENGINEER
6/11/07

| | |
|---|---|
| DSGN | MRAB |
| DR | MRAB |
| CHK | JR |
| APVD | DBS |

| NO. | DATE | REVISION | BY | APVD |
|---|---|---|---|---|
| 3 | 5/24/07 | REVISED PER CITY COMMENTS | MRAB | MRAB |
| 2 | 4/30/07 | REVISED PER CITY COMMENTS | MRAB | MRAB |
| 1 | 3/16/07 | REVISED PER CITY COMMENTS | MRAB | MRAB |

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING. 0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

CH2MHILL

NEXTFLIGHT HANGAR
CITY OF MANASSAS LEASE PARCEL N-5
MANASSAS REGIONAL AIRPORT
EAST COMPLEX
CITY OF MANASSAS, VIRGINIA

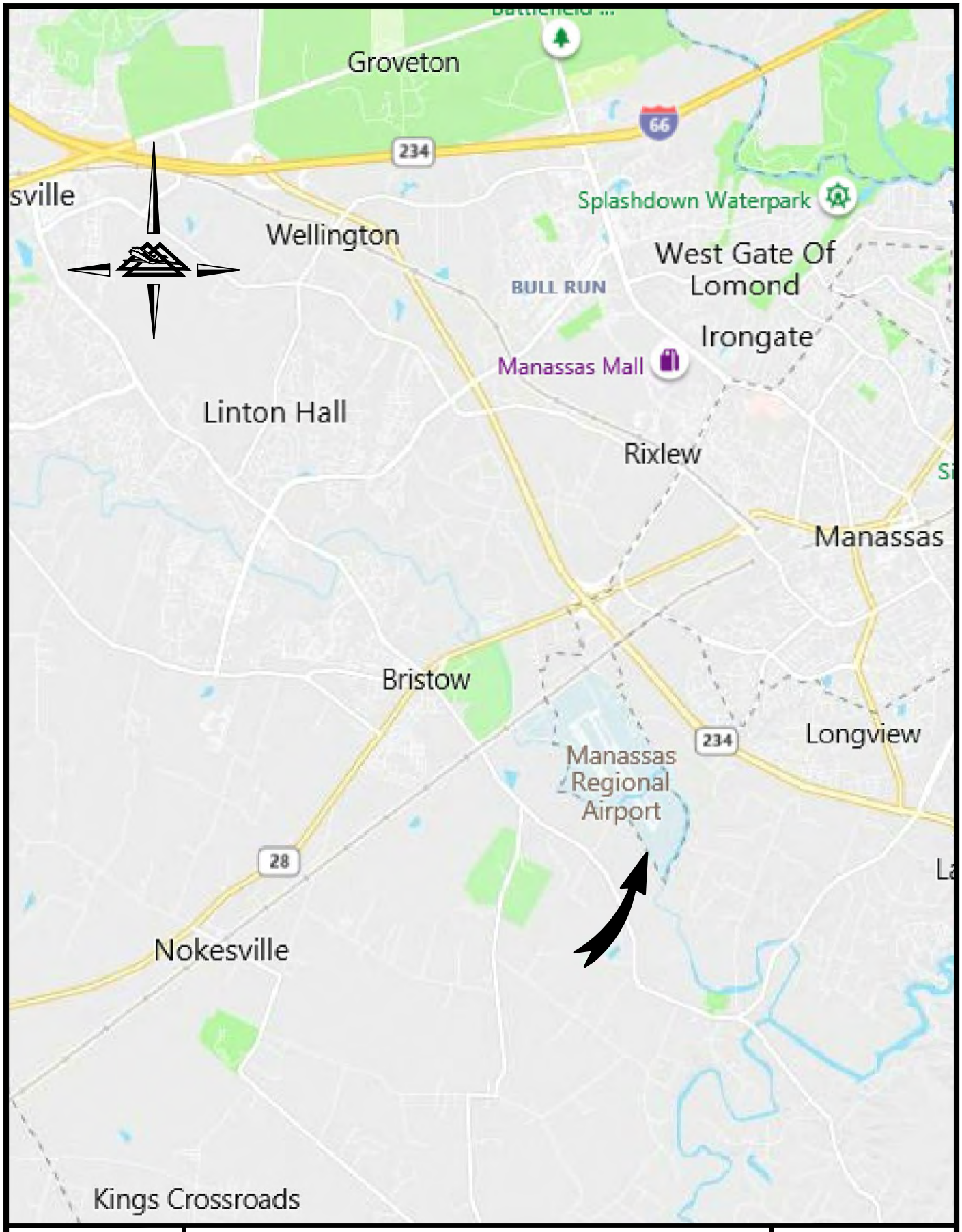
UTILITY PLAN 1

| | |
|---|---|
| SHEET | 8 |
| DWG | C-4 |
| DATE | JUNE 2007 |
| PROJ | 328001.NF.FD |

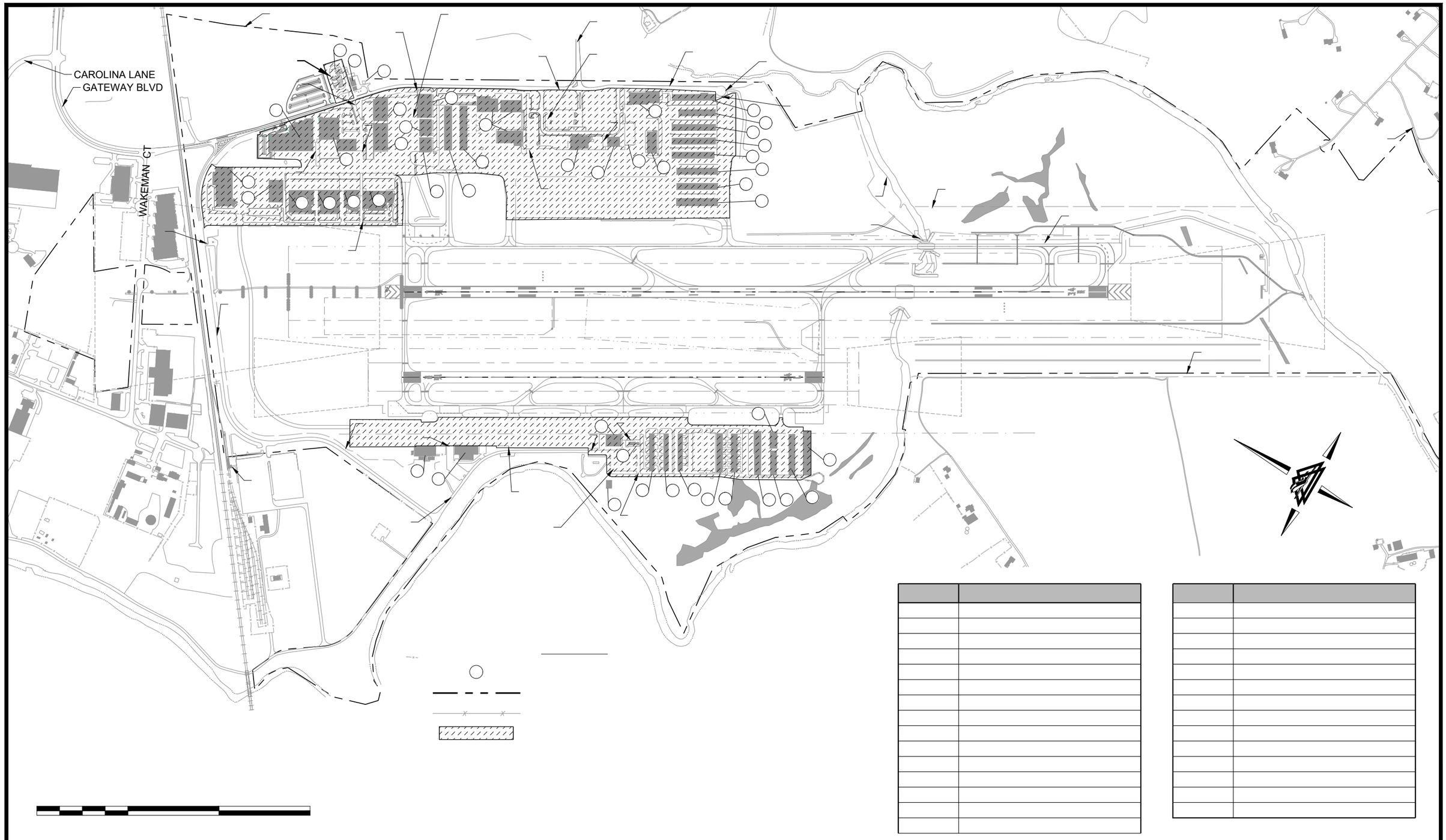
# APPENDIX A

# LOCATION MAP AND GENERAL SITE MAP

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Groveton
66
234
sville
Wellington
Splashdown Waterpark
West Gate Of
Lomond
BULL RUN
Irongate
Manassas Mall
Linton Hall
Rixlew
Manassas
Bristow
Longview
234
Manassas
Regional
Airport
28
Nokesville
Kings Crossroads

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CAROLINA LANE
GATEWAY BLVD
WAKEMAN CT

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# APPENDIX B

# CENTRAL FUEL FARM MAP AND PHOTOGARPHS

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CITY OF MANASSAS SUBSTATION
NOT PART OF AIRPORTS
SPCC/SWPPP PROGRAM

BARBED WIRE FENCE

TO WAKEMAN DRIVE

PRIMARY ENTRANCE GATE
(AUTOMATIC)

N

EMERGENCY
SHUT-OFF

PLASTIC SPILL
KIT DRUMS (2)

TANK G, 275 GAL SUMP

TANK F, 275 GAL SUMP

TANK E, 55 GAL DRUM

TANK H, 275 GAL SUMP

TANK I, 275 GAL SUMP

EMERGENCY
SHUT-OFF

TANK J, 250 GAL GASOLINE

TANK K, 250 GAL DIESEL

PUMPS
(TYP, 1 PER TANK)

TANK A, 550 GAL DIESEL

SPILL KIT

Dulles Aviation
UL Gasoline
1,000 GAL

TANK 11

TRENCH
DRAIN

TANK 1

TANK 2

TANK 3

TANK 5

TANK 6

6" CONCRETE BLOCK WALL

TANK 7

TANK 8

TANK 9

TANK 10

TANK B, 100 GAL
GASOLINE

TANK L,
250 GAL
GASOLINE

RELEASE
VALVE

OIL-WATER
SEPARATOR

Chantilly Air
12,000 GAL Jet-A

APP Jet Center
20,000 GAL Jet-A

APP Jet Center
20,000 GAL AvGas

Chantilly Air
20,000 GAL Jet-A

Chantilly Air
15,000 GAL AvGas

FlightWorks Aviation
20,000 GAL Jet-A

APP Jet Center
15,000 GAL AvGas

APP Jet Center
20,000 GAL Jet-A

Colgan Air/Metropolitian
Aviaton - 20,000 GAL Jet-A

JERSEY
BARRIERS

ODC & SPCC
PLAN BOX

PEDESTRIAN
GATE

TRENCH
DRAIN

CONTAINMENT DRAIN TO
OIL-WATER SEPARATOR

PCC CONTAINMENT BERM

STORAGE
UNITS

TANK C,
550 GAL
DIESEL

TANK D, 55 GAL SUMP DRUM

JERSEY
BARRIERS

JERSEY
BARRIERS

GRAVEL

EMERGENCY SHUT-OFF

GUARDRAIL

EMERGENCY SHUT-OFF

MANUAL GATE

CONCRETE PERIMETER ROAD

www.deltaairport.com

# STORM WATER POLLUTION PREVENTION PLAN - CENTRAL FUEL FARM MAP
## MANASSAS REGIONAL AIRPORT

| DRAWN BY: | MJH | CHECKED BY: | JCL | SCALE: | 1" = 30' | DATE: | JUNE 2020 |
|---|---|---|---|---|---|---|---|

**EXHIBIT**
**B-1**

DRAWING: HEF - Fuel Farm.dwg LAYOUT: L1

N:\GK\HEF\04 CAD\Airport Maps\HEF - Fuel Farm.dwg, L1, 6/18/2020 4:31:30 PM, mrm

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Photograph 1. View of the access gate to the Central Fuel Farm. The gate is motorized and is connected to an access card system.



Photograph 2. An emergency pedestrian gate is located on the east side of the Central Fuel Farm that can be manually opened from the inside but is always locked to the outside to prevent unauthorized access to the area.




Photograph 3. View of the overall Central Fuel Farm (Tank #10 is shown in the foreground).



Photograph 4. Jersey barriers are located within the gravel portion of the Central Fuel Farm to the southwest. Several of the secondary tanks are shown in the foreground.




Photograph 5. A 2-foot high concrete wall surrounds the tanks.



Photograph 6. View of the concrete block wall in the center, which contains holes to allow liquids to drain to the northeast towards the containment drain and oil/water separator.



Photograph 7. View of the containment drain, which is located within the bermed area.



Photograph 8. A trench drain and oil/water separator are located outside the bermed area to the northeast. The oil/water separator can accept up to 400 gallons.



Photograph 9. A sluice gate is located near the northeastern border of the Central Fuel Farm, near the emergency pedestrian gate.




Photograph 10. Four emergency fuel shutoff switches are located within the Central Fuel Farm.




Photograph 11. Several portable fire extinguishers are located within the Central Fuel Farm.




Photograph 12. Numerous spill kits are strategically located throughout the Central Fuel Farm to address unintentional spills.



Photograph 13. Dead man controls are located at each of the 10 large capacity tanks.




Photograph 14. Sump fuel containers are located within the bermed area of the Central Fuel Farm. Two 240-gallon capacity tanks are shown here near Tanks 2 and 3.



Photograph 15. There are also 55-gallon drum sump fuel drums.




Photograph 16. A chain-linked fence with barbed wire surrounds the Central Fuel Farm.

# APPENDIX C

# SWPPP/SPCC FACILITIES MAP AND OUTFALL PHOTOGRAPHS

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CAROLINA LANE
GATEWAY BLVD
WAKEMAN CT

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Outfall Sampling Location 01 (formerly E-1)



Outfall Sampling Location 02 (formerly E-2)



Outfall Sampling Location 03 (formerly E-3)



Outfall Sampling Location 04 (formerly E-4)



Outfall Sampling Location 05 (formerly E-5)



Outfall Sampling Location 06 (formerly E-6)



Outfall Sampling Location 07 (formerly W-1)



Outfall Sampling Location 08 (formerly W-2)

# APPENDIX D

# SPILL REPORT FORM

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# Spill Report Form

Reporter's Name:_____

Contact Information (Address and Telephone Number): _____

_____

**Incident Information**

Date and Time of Incident:_____

Location of Incident:_____

Material Released:_____

Source and cause of release: _____

_____

_____

Total quantity discharged:_____

Medium into which the substance was discharged: _____

Amount spilled into surface waters: _____

Weather conditions: _____

Number and type of injuries or fatalities: _____

Did an evacuation has occur?: _____

Estimate (dollar amount) of property damage: _____

Description of current and future cleanup actions (include actions taken to correct, control and/or mitigate the spill) _____

_____

_____

Agencies Contacted:_____

Caller and Responsible Party:_____

Date Called:_____ Time Called:_____

Other Pertinent Information: _____

_____

_____

_____

_____

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# APPENDIX E

# FUEL FARM INSPECTION REPORT AND AST INSPECTION CHECKLIST

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# Manassas Regional Airport
# Weekly Fuel Farm Inspection Log

| | Month: | | | | |
|---|---|---|---|---|---|
| Day: | | | | | |
| **1. Loading Stations** | | | | | |
| Deadman Control | | | | | |
| Bonding Cables | | | | | |
| Emergency Shutoff | | | | | |
| Condition of Hoses | | | | | |
| **2. General Condition of Fuel Farm** | | | | | |
| Fencing/Gates | | | | | |
| Signs | | | | | |
| Fire Extinguishers | | | | | |
| Fuel Leaks | | | | | |
| Condition of Piping | | | | | |
| Camera | | | | | |
| Lighting | | | | | |
| Evidence of Smoking | | | | | |
| Ignition Sources | | | | | |
| Tenant Storage Containers | | | | | |
| Trash/Weeds | | | | | |
| Spill Kits | | | | | |
| Oil/Water Separator | | | | | |
| **3. Condition of Containment Area** | | | | | |
| Inside Dike | | | | | |
| Outside Dike | | | | | |
| | | | | | |
| Monthly Emergency Shutoff Test | | | | | |
| Initials of Inspector: | | | | | |

√ = Satisfactory, X= Unsatisfactory, N/S= Not in Service, N/A= Applicable

REMARKS: _____

_____

_____

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# AST Inspection Checklist

Instructions: This inspection record should be completed for the oil storage tank every month. Visually inspect the tank, placing a check or an X in the appropriate box for each item. If any item needs elaboration do so in the Descriptions and Comments space provided.

DATE_____INSPECTOR_____TANK NUMBER_____

LOCATION_____TANK CONTENTS_____

Further descriptions and comments should be attached on a separate sheet of paper.

| | Yes | No | N/A | Comments |
|---|---|---|---|---|
| Exterior surfaces show signs of leakage | | | | |
| External coatings are bubbles, cracked, or damaged | | | | |
| Tanks are rusted, pitted, or deteriorated | | | | |
| Bolts, rivets, or seams are damaged, cracked, or rusted | | | | |
| Welds are cracked or non-uniform | | | | |
| Tank foundation has eroded or settled | | | | |
| Tank supports are deteriorated or buckled | | | | |
| Tank insulation is damaged, worn, or swelling | | | | |
| Monitoring equipment is non-functional | | | | |
| Valves are leaking, deteriorated, or damaged | | | | |
| Vents and pressure release devices are obstructed | | | | |
| Tank bottoms have accumulated rust, scale, microorganisms, or foreign material | | | | |
| Concrete containment is cracked | | | | |
| Containment area has excess standing water or oil | | | | |

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# APPENDIX F

# STORMWATER QUARTERLY VISUAL MONITORING REPORTS

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## QUARTERLY VISUAL MONITORING CHECKLIST – STORMWATER OUTFALLS

**FACILITY NAME: Manassas Regional Airport**

**OUTFALL ID: _____**

*Visual outfall monitoring shall be conducted on a quarterly basis. After collecting and examining your stormwater runoff, complete the following checklist and verify that no noticeable pollutants are present in the stormwater discharge. Indicate whether no discharge is present in the space provided.*

*Date/Time:* _____ *Inspected by:* _____

*Type (runoff or snowmelt):* _____ *No Discharge (Check Box):* ☐

| Description | Observation | Potential Source | Corrective Action |
|---|---|---|---|
| Material floating on the surface of the water | | | |
| Solids settling to bottom of container | | | |
| Solids suspended in the water | | | |
| Oil sheen or grease | | | |
| Color/discoloration of the water | | | |
| Clarity/Turbidity (i.e. cloudy or clear) | | | |
| Foam or suds | | | |
| Odor (i.e. gasoline, antifreeze, etc.) | | | |
| Other unusual observations | | | |
| Snow Runoff | | | |
| Dry | | | |

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# STORMWATER DISCHARGE
# QUARTERLY VISUAL MONTIORING EVALUATION

## Storm Event Data

**Date(s) of Storm:**_____

**Duration (Hours) of Storm:** _____

**Rainfall Total (Inches) of Storm:** _____

**Duration (Hours) Between Storm and End of Previous Measurable Storm:** _____

**If Snowmelt Monitoring, Date of Sampling Event:** _____

**Explanation of inability to obtain a sample, of no rain event, or of deviation from "measurable" storm even requirements:** _____
_____
_____
_____
_____
_____

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations." [Part II.K.4, VPDES General Permit for Stormwater Discharges Associated with Industrial Activity]

*By Authorized Representative for Manassas Regional Airport per Part II.K, VPDES General Permit for Stormwater Discharges Associated with Industrial Activity:*

_____

**Signature**

_____

**Name and Title**

_____

**Date**

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# APPENDIX G

# ROUTINE FACILITY INSPECTIONS

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## ROUTINE FACILITY INSPECTION CHECKLIST

## FACILITY NAME: Manassas Regional Airport

*This Routine Facility Inspection is to be conducted on a quarterly basis, and at least once a month during deicing season (November – March), and at least once each calendar year during a period when a stormwater discharge is occurring. Visually inspect all areas potentially contributing to stormwater discharges. Add any comments at the bottom of the page and describe any recommended modification and corrective actions.*

*Date/Time:* _____ *Inspected by:* _____

*Weather Conditions:* _____

*Stormwater Discharge Present (Check Box): Yes* ☐ *No* ☐

| Description | Yes | No | Observation | Recommended Modifications and Corrective Actions |
|---|---|---|---|---|
| Observe all outfalls – does there appear to be any discharges of concern, including unauthorized, nonstormwater discharges? | | | | |
| Any previously unidentified discharges of pollutants from the site? | | | | |
| Are the BMPs observed functioning correctly? | | | | |
| Any control measures need maintenance or repairs? | | | | |
| Any failed control measures need replacement? | | | | |
| Any incidents of noncompliance observed? | | | | |
| Any additional control measures needed to comply with Permit requirements? | | | | |

| Description | Yes | No | Observation | Recommended Modifications and Corrective Actions |
|---|---|---|---|---|
| Is the inventory of pollutants and exposed materials accurate? | | | | |
| Is there evidence of pollutants entering the drainage system? | | | | |
| Are stormwater management structures free from obstruction and functioning properly? | | | | |
| Is general good housekeeping maintained? | | | | |
| Is there adequate spill response equipment available? | | | | |
| Were there any leaks/spills during the past period? | | | | |
| Are fuel tanks stored outside rusting or showing other signs of deterioration? | | | | |
| Are the Central Fuel Farm and tank storage areas properly maintained? | | | | |
| Are waste disposal dumpsters and containers leaking or showing other signs of deterioration? | | | | |
| Are materials storage areas in good condition and well maintained? | | | | |
| Are scrap metal or other rusty/deteriorating equipment, drums, barrels, etc. present and uncovered, or providing a source of exposure of stormwater to pollutants? | | | | |
| Is the retention pond in good condition, well maintained, and clear of debris? | | | | |
| Are loading and unloading areas in good condition? | | | | |
| Are facility grounds in good condition, being mowed and maintained and with no trash? | | | | |

**ADDITIONAL COMMENTS:** _____

_____

_____

_____

_____

# ROUTINE FACILITY INSPECTION

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations." [Part II.K.4, VPDES General Permit for Stormwater Discharges Associated with Industrial Activity]

*By Authorized Representative for Manassas Regional Airport per Part II.K.1, VPDES General Permit for Stormwater Discharges Associated with Industrial Activity:*

**Signature**

**Name and Title**

**Date**

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# APPENDIX H

# REGULATORY CROSS-REFERENCE MATRIX

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| Citation | Description | Location in this Plan |
|---|---|---|
| Title 40, Code of Federal Regulations, Part 112 (40 CFR 112) | | |
| 112.3 | Requirement to prepare SPCC | Section 1 |
| 112.3(d) | Requirement for P.E. certification of SPCC | Section 1.3 |
| 112.4(a) | Report discharges of more than 1,000 gallons of oil in single discharge or more than 42 gallons of oil in each of two discharges, occurring in any twelve-month period | Section 6.5 |
| 112.5(a) | Amendments by owners required whenever there is a change in facility design, construction, operation or maintenance that materially affects its potential for discharge. An amendment made under this section must be prepared within six months, and implemented as soon as possible, but not later than six months following preparation of the amendment. | Sections 1.1 & 1.4 |
| 112.5(b) | Complete a review and evaluation of SPCC Plan at least once every five years. You must document your completion of the review and evaluation, and must sign a statement as to whether you will amend the Plan. | Section 1.1 |
| 112.5(c) | Have a Professional Engineer verify any technical amendments to your Plan. | Sections 1.1 & 1.4 |
| 112.7(a)(3) | Describe in your plan the physical layout of the facility and include a facility diagram, which must mark the location and contents of each container. | Section 2, Appendices A&B |
| 112.7(a)(3)(i) | Address the type of oil in each container and its storage capacity. | Section 4.2, Tables 4-1&4-2 |
| 112.7(a)(3)(ii) | Address discharge prevention measures including procedures for routine handling of products (loading, unloading, and facility transfers). | Section 2 |
| 112.7(a)(3)(iii) | Address discharge or drainage controls such as secondary containment around containers and other structures, equipment, and procedures for the control of a discharge. | Sections 1, 2, 4.3, 6.1, 6.2, 6.3 |
| 112.7(a)(3)(iv) | Countermeasures for discharge discovery, response and cleanup. | Section 6.4 |
| 112.7(a)(3)(v) | Methods of disposal of recovered materials | Section 4.6 |
| 112.7(a)(3)(vi) | Contact list for notification of discharges | Section 6.4 |
| 112.7(a)(4) | Reporting information | Table 6-1, Section 6.4 |
| 112.7(a)(5)(b) | Where experience indicates a reasonable potential for equipment failure (such as rupture, leakage, etc.), include in Plan a prediction of direction, rate of flow, and total quantity of oil that could be discharged from the facility. | Section 4.3 |
| 112.7(a)(5)(c) | Provide appropriate containment and/or diversionary structures or equipment to prevent a discharge. | Section 4.3 |
| 112.7(a)(5)(d) | Document if such measures are not practicable | N/A |
| 112.7(a)(5)(e) | Inspections, tests, and records – keep written procedures and record of inspections and tests for a period of three years. | Sections 6.6 & 6..7 |
| 112.7(a)(5)(f) | Train oil-handling personnel in the operation and maintenance of equipment to prevent discharges; discharge procedure protocols; applicable pollution control laws; rules and regulations; general facility operations; and the content of the SPCC Plan. Designate a person who is accountable for discharge prevention and who reports to facility management. Schedule and conduct discharge briefings. | Sections 6.1 & 6.7 |

| Citation | Description | Location in this Plan |
|---|---|---|
| 112.7(a)(5)(g) | Fully fence each facility handling, processing, or storing oil and lock and/or guard entrances gates when the facility is not in production or is unattended. | Section 9 |
| 112.7(a)(5)(g)(2) | Ensure that the master flow and drain valves and any other valves permitting direct outward flow of the container's contents to the surface have adequate security measures so that they remain in a closed position when in non-operating or standby status. | Sections 6.1 & 6.2 |
| 112.7(a)(5)(g)(3) | Lock the starter control on each oil pump in the "off" position and locate it at a site accessible only to authorized personnel when the pump is in non-operating status. | Section 2 |
| 112.7(a)(5)(g)(4) | Securely cap or blank-flange the loading/unloading connections of oil pipelines or facility piping when not in service. | Section 2 |
| 112.7(a)(5)(g)(5) | Provide facility lighting commensurate with type and location of the facility to (1) discover discharges during hours of darkness and to (2) prevent discharges occurring through acts of vandalism. | Section 9 |
| 112.7(a)(5)(h) | Where loading/unloading area drainage does not flow into a catchment basin or treatment facility designed to handle discharges, use a quick drainage system for tank car or tank truck loading/unloading areas. You must design any containment system to hold at least the maximum capacity of any single compartment of a tank car or tank truck loaded or unloaded at the facility. | Section 2 |
| 112.7(a)(5)(h)(2) | Provide an interlocked warning light or physical barrier system, warning signs…. To prevent vehicles from departing before complete disconnection of oil transfer lines. | Section2 |
| 112.7(a)(5)(h)(3) | Prior to filling and departure of any tank car or tank truck, closely inspect for discharges the lowermost drain and all outlets of such vehicles and adjust/tighten/replace as necessary to prevent liquid discharge while in transit. | Section 2 |
| 112.7(a)(5)(i) | Brittle fracture analysis of field-constructed AST | N/A |
| 112.8(b) | Restrain drainage from diked storage areas by valves to prevent discharge. Use valves of manual, open-and-closed design for drainage of diked areas. If your facility does not drain to an onsite wastewater treatment plant, you must inspect and may drain uncontaminated retained stormwater. | Section 6.2 |
| 112.8(c)(1) | Only use containers for storage of oil if the material and construction are compatible with the material stored and conditions of storage such as pressure and temperature. | Section 6.2 |
| 112.8(c)(2) | Provide secondary containment for the entire capacity of the largest single container and sufficient freeboard to contain precipitation. | Section 4.3 |
| 112.8(c)(3) | Do not allow drainage of uncontaminated rainwater from the diked area bypass facility treatment system. | Section 6.2 |
| 112.8(c)(4) | Protect completely buried metallic storage tanks from corrosion by coatings or cathodic protection. | N/A |
| 112.8(c)(5) | Do not use partially buried or bunkered metallic tanks for the storage of oil unless you protect the buried section of the tank from corrosion. | N/A |
| 112.8(c)(6) | Test each aboveground container for integrity on a regular schedule. You must combine visual inspection with another testing technique such as hydrostatic testing, radiographic testing, ultrasonic testing, acoustic emissions testing, or another system of non-destructive shell testing. | Section 6.6 |

| Citation | Description | Location in this Plan |
|---|---|---|
| 112.8(c)(7) | Control leakage through defective internal heating coils. | N/A |
| 112.8(c)(8) | Good engineering practice: high level alarms, high liquid level pump cutoff, direct audible or code signal communication between gauger and pumping station, fast response system for determining liquid level of each bulk storage container, regularly test liquid level sensing devices. | Section 6.1 |
| 112.8(c)(9) | Observe effluent treatment facilities frequently enough to detect possible system upsets that could cause a discharge. | Section 5.2 |
| 112.8(c)(10) | Promptly correct visible discharges which result in loss of oil from the container. Promptly remove any accumulations of oil in diked areas. | Section 6.1, 6.3 |
| 112.8(c)(11) | Position or locate mobile or portable oil storage containers to prevent a discharge. Must furnish secondary means of containment sufficient to contain the capacity of the largest single compartment or container with sufficient freeboard to contain precipitation. | Section 4.2 |
| 112.8(d) | Buried piping. | N/A |
| **Virginia State Regulation 9 VAC 25-151** | | |
| 9 VAC 25-151-70 A.1.a | Quarterly visual inspections. | Section 5.2 |
| 9 VAC 25-151-70 A.1.b | Benchmark monitoring | Section 5.3 – N/A |
| 9 VAC 25-151-70 A.1.c(1) | Compliance monitoring with effluent limitations | Section 5.4 – N/A |
| 9 VAC 25-151-70 A.1.c(2) | Coal storage pile runoff monitoring | N/A |
| 9 VAC 25-151-70 A.1.c(3) | Facilities discharging to an impaired water with approved TMDL wasteload allocation | Section 5.5 |
| 9 VAC 25-151-70 B.1. | Allowable non stormwater discharges | Section 8 |
| 9VAC 25-151-70 B.2. | Prevention or minimization of releases of hazardous substances or oil in excess of reportable quantities and notification of such releases. | Section 6.3 |
| 9 VAC 25-151-70 B.3. | Co-located industrial activity | N/A |
| 9 VAC 25-151-70 B.4. | Combining of other unregulated sources of stormwater with discharges authorized by this permit. | N/A |
| 9 VAC 25-151-70 B.5. | No discharge of waste, garbage or floating debris | Section 8 |
| 9 VAC 25-151-70 B.6. | Additional requirements for salt storage | N/A |
| 9 VAC 25-151-70 B.10 | Water quality protection – requirement to select, install, implement and maintain BMPs as necessary to meet applicable water quality standards. | Section 8.1 |
| 9 VAC 25-151-70 G | Reports of unauthorized discharges. | Section 8.1 |
| 9 VAC 25-151-80 B.1. | Pollution Prevention Team | Section 3 |

| Citation | Description | Location in this Plan |
|---|---|---|
| 9 VAC 25-151-80 B.2.a | Site Description – Activities at the facility. | Sections 1 and 2 |
| 9 VAC 25-151-80 B.2.b | General Location Map | Exhibit A-1, Appendix A |
| 9 VAC 25-151-80 B.2.b | A site map identifying directions of stormwater flow, locations of existing CMPs, locations of all surface water bodies, locations of potential pollutant sources, locations of major spills or leaks, locations of fueling stations; vehicle and equipment maintenance areas, locations and description of nonstormwater discharges, location and source of runoff from adjacent property containing significant quantities of pollutants of concern to the facility. | Exhibit A-1, Appendix A and Exhibits B-1 & B-2, Appendix B |
| 9 VAC 25-151-80 B.2.c | Receiving waters and wetlands. | Section 5.1 |
| 9 VAC 25-151-80 B.3 | Summary of potential pollutant sources. | Section 4 |
| 9 VAC 25-151-80 B.3.c | Spills and leaks | Section 6 |
| 9 VAC 25-151-80 B.3.d | Sampling data | Section 5 and Appendix F |
| 9 VAC 25-151-80 B.4.b(1) | Good housekeeping | Section 6.1 |
| 9 VAC 25-151-80 B.4.b(2) | Minimizing exposure | Section 6.2 |
| 9 VAC 25-151-80 B.4.b(3) | Preventive Maintenance | Section 6.3 |
| 9 VAC 25-151-80 B.4.b(1) | Spill prevention and response procedures | Section 6.3, Appendix D and E |
| 9 VAC 25-151-80 B.4.b(6) | Employee training | Section 6.7 |
| 9 VAC 25-151-80 B.4.b(5) | Sediment and erosion control | Section 6.8 |
| 9 VAC 25-151-80 B.4.b(8) | Management of runoff | Section 6.9 |
| 9 VAC 25-151-80 B.5 | Routine facility inspections | Section 6.6 |
| 9 VAC 25-151-80 C | SWPPP maintenance | Section 10 |
| 9 VAC 25-151-80 D | Nonstormwater discharges certification | Section 11, Appendix G |
| 9 VAC 25-151-80 E | Signature; Requirement to keep SWPPP, annual site compliance inspection reports, etc. available to DEQ upon request; Required modifications by DEQ | Appendix G |
| 9 VAC 25-151-80 F | Maintaining an updated SWPPP | Section 1.1 |

# APPENDIX I

# TRAINING RECORDS

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# APPENDIX J

# SPILL HISTORY

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# APPENDIX K

# 2019 VPDES INDUSTRIAL STORMWATER GENERAL PERMIT NO. VAR050985

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# COMMONWEALTH of VIRGINIA

*DEPARTMENT OF ENVIRONMENTAL QUALITY*
NORTHERN REGIONAL OFFICE
13901 Crown Court, Woodbridge, Virginia 22193
(703) 583-3800
www.deq.virginia.gov

Matthew J. Strickler
Secretary of Natural Resources

David K. Paylor
Director

Thomas A. Faha
Regional Director

September 6, 2019

Via Email: jberry@manassasva.gov

Ms. Jolene Berry
Sr. Airport Operations
Manassas Regional Airport
10600 Harry J. Parrish Blvd.
Manassas, VA 20110

READ RECEIPT REQUESTED

RE: Coverage under the Virginia Pollutant Discharge Elimination System (VPDES) General Permit Regulation for Discharges of Stormwater Associated with Industrial Activity – Registration # **VAR050985**

Dear Ms. Berry:

We have reviewed your Registration Statement received on May 1, 2019, and have determined that stormwater discharges from the above facility are hereby covered under the referenced VPDES general permit. The general permit regulation was effective as of July 1, 2019, and your coverage under this permit is effective as of the date of this transmittal letter. The enclosed copy of the general permit contains the applicable stormwater pollution prevention plan (SWPPP) requirements, sector specific requirements, monitoring requirements, and other conditions of coverage. The general permit requires that you update your Stormwater Pollution Prevention Plan (SWPPP) within 90-days of the date on this transmittal letter to incorporate updates this permit requires into the SWPPP.

Based on the Standard Industrial Classification Code (SIC Code) provided on your registration statement, your facility has been assigned to Sector AE for this reissuance. Sector AE requires no analytical benchmark monitoring.

Your facility monitored stormwater discharges during the 2014 industrial stormwater general permit term in support of the Chesapeake Bay TMDL. Our records indicate that your facility completed the four sampling events as required at each outfall for each of the following parameters: Total Suspended Solids (TSS), Total Nitrogen (TN), and Total Phosphorus (TP). In accordance with the 2019 permit (Part I.B.8.c.2), your facility is again required to calculate stormwater nutrient loads. Calculations are to be completed using the data collected during the 2014 permit term and those acreages provided on the registration statement for the 2019 permit term. Information to assist with performing the calculations, including a Chesapeake Bay TMDL Calculation Spreadsheet is available at the following:
https://www.deq.virginia.gov/Programs/Water/PermittingCompliance/PollutionDischargeElimination/PermitsFees.aspx#isw

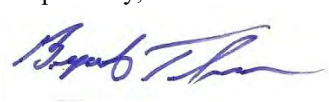
If the calculations indicate the facility loading rate for any of the parameters (e.g. TSS, TN, or TP) is above the loading rates identified in the permit (Part I.B.8.c.1), a Chesapeake Bay TMDL action plan shall be developed and submitted to the DEQ – Northern Regional Office. The Chesapeake Bay TMDL Action Plan Form for submitting your Plan may be found at the same link noted above.

The calculations, and Chesapeake Bay TMDL action plan (Plan) if required, shall be submitted to the DEQ – Northern Regional office within 60 days of the date on this transmittal letter (November 6, 2019) and copies shall also be maintained with the facility's SWPPP. Please note that facilities that submitted a Plan that was approved during the 2014 permit term shall continue to implement the approved Plan during this permit term. There is no requirement to resubmit the Plan on the form provided by the Department. However, you are required to provide updated loading calculations for TSS, TN and TP as described above.

This general permit will expire on June 30, 2024. The permit requires that you submit a new registration statement at least 60 days prior to that date if you wish continued coverage under the general permit, unless permission for a later date has been granted by the Board. Permission cannot be granted to submit the registration statement after the expiration date of the permit.

Should you have any questions, please do not hesitate to contact Susan Mackert at (703) 583-3853 or susan.mackert@deq.virginia.gov.

Respectfully,



Bryant Thomas
Regional Water Permits & Planning Manager

# *COMMONWEALTH of VIRGINIA*

## ***DEPARTMENT OF ENVIRONMENTAL QUALITY***

General Permit Registration No.: VAR050985
Effective Date: July 1, 2019
Expiration Date: June 30, 2024

VPDES GENERAL PERMIT FOR STORMWATER DISCHARGES
ASSOCIATED WITH INDUSTRIAL ACTIVITY

AUTHORIZATION TO DISCHARGE UNDER THE VIRGINIA POLLUTANT DISCHARGE ELIMINATION SYSTEM AND THE VIRGINIA STATE WATER CONTROL LAW

In compliance with the provisions of the Clean Water Act, as amended, and pursuant to the State Water Control Law and regulations adopted pursuant thereto, owners of facilities with stormwater discharges associated with industrial activity are authorized to discharge to surface waters within the boundaries of the Commonwealth of Virginia, except those waters specifically named in board regulation that prohibit such discharges.

The authorized discharge shall be in accordance with this cover page, the registration statement, Part I-Effluent Limitations, Monitoring Requirements and Special Conditions, Part II-Conditions Applicable to All VPDES Permits, Part III-Stormwater Pollution Prevention Plan, and Part IV-Sector-Specific Permit Requirements, as set forth in this general permit.

# Part I. Effluent Limitations, Monitoring Requirements and Special Conditions

A. Effluent limitations and monitoring requirements.

There are four individual and separate categories of monitoring requirements that a facility may be subject to under this permit: (i) quarterly visual monitoring; (ii) benchmark monitoring of discharges associated with specific industrial activities; (iii) compliance monitoring for discharges subject to numerical effluent limitations; and (iv) monitoring of discharges to impaired waters, both those with an approved TMDL and those without an approved TMDL. The monitoring requirements and numeric effluent limitations applicable to a facility depend on the types of industrial activities generating stormwater runoff from the facility, and for TMDL monitoring, the location of the facility's discharge or discharges. Part IV of the permit (9VAC25-151-90 et seq.) identifies monitoring requirements applicable to specific sectors of industrial activity. The permittee shall review Part I A 1 and Part IV of the permit to determine which monitoring requirements and numeric limitations apply to his facility. Unless otherwise specified, limitations and monitoring requirements under Part I A 1 and Part IV are additive.

Sector-specific monitoring requirements and limitations are applied discharge by discharge at facilities with colocated activities. Where stormwater from the colocated activities are commingled, the monitoring requirements and limitations are additive. Where more than one numeric limitation for a specific parameter applies to a discharge, compliance with the more restrictive limitation is required. Where benchmark, numerical effluent limitations, or TMDL monitoring requirements for a monitoring period overlap, the permittee may use a single sample to satisfy monitoring requirements.

1. Types of monitoring requirements and limitations.
   a. Quarterly visual monitoring. The requirements and procedures for quarterly visual monitoring are applicable to all facilities covered under this permit, regardless of the facility's sector of industrial activity.
      (1) The permittee shall perform and document a quarterly visual examination of a stormwater discharge associated with industrial activity from each outfall, except discharges exempted in Part I A 3 or Part I A 4. The examinations shall be made at least once in each of the following three-month periods: January through March, April through June, July through September, and October through December. The visual examination shall be made during normal working hours, where practicable, and when considerations for safety and feasibility allow. If no storm event resulted in runoff from the facility during a monitoring quarter, the permittee is excused from visual monitoring for that quarter provided that documentation is included with the monitoring records indicating that no runoff occurred. The documentation shall be signed and certified in accordance with Part II K of this permit.
      (2) Samples shall be collected in accordance with Part I A 2. Sample examination shall document observations of color, odor, clarity, floating solids, settled solids, suspended solids, foam, oil sheen, and other obvious indicators of stormwater pollution. The visual examination of the sample shall be conducted in a well-lit area. No analytical tests are required to be performed on the samples.
      (3) The visual examination reports shall be maintained on-site with the SWPPP. The report shall include the outfall location, the examination date and time, examination personnel, the nature of the discharge (i.e., runoff or snow melt), visual quality of the stormwater discharge (including observations of color, odor, clarity, floating solids, settled solids, suspended solids, foam, oil sheen, and other obvious indicators of stormwater pollution), and probable sources of any observed stormwater contamination.

b. Benchmark monitoring of discharges associated with specific industrial activities.

Table 70-1 identifies the specific industrial sectors subject to the benchmark monitoring requirements of this permit and the industry-specific pollutants of concern. The permittee shall refer to the tables found in the individual sectors in Part IV (9VAC25-151-90 et seq.) for benchmark monitoring concentration values. Colocated industrial activities at the facility that are described in more than one sector in Part IV shall comply with all applicable benchmark monitoring requirements from each sector.

The results of benchmark monitoring are primarily for the permittee to use to determine the overall effectiveness of the SWPPP in controlling the discharge of pollutants to receiving waters. Benchmark concentration values, included in Part IV of this permit, are not effluent limitations. Exceedance of a benchmark concentration does not constitute a violation of this permit and does not indicate that violation of a water quality standard has occurred; however, it does signal that modifications to the SWPPP are necessary, unless justification is provided in a routine facility inspection. In addition, exceedance of benchmark concentrations may identify facilities that would be more appropriately covered under an individual, or alternative general permit where more specific pollution prevention controls could be required.

TABLE 70-1
INDUSTRIAL SECTORS SUBJECT TO BENCHMARK MONITORING

| Industry Sector[1] | SIC Code or Activity Code | Benchmark Monitoring Parameters |
|---|---|---|
| AE | 2611, 2621, 2652-2657, 2671-2679, 2833-2836, 2851, 2861-2869, 2891-2899, 3952, 3211, 3221, 3229, 3231, 3241, 3281, 3291-3299, 3331-3339, 3398, 3399, 3341, 1311, 1321, 1381-1389, 2911, 4512-4581, (TW) Treatment Works, 2011-2015, 2032-2038, 2051-2053, 2061-2068, 2082-2087, 2091-2099, 2111-2141, 2211-2299, 2311-2399, 3131-3199, 2434, 2511-2599, 2711-2796, 3081-3089, 3931, 3942-3949, 3951-3955 (except 3952), 3961, 3965, 3991-3999, 3111, 3711-3799 (except 3731, 3732 see Sector Q), 3571-3579, 3612-3699, 3812-3873 | Facilities in Sector AE are not subject to benchmark monitoring requirements. |

[1] Table does not include parameters for compliance monitoring under effluent limitations guidelines.

(1) Benchmark monitoring shall be performed for all benchmark parameters specified for the industrial sector or sectors applicable to a facility's discharge. Monitoring shall be performed at least once during each of the first four, and potentially all, monitoring periods after coverage under the permit begins. Monitoring commences with the first full monitoring period after the owner is granted coverage under the permit. Monitoring periods are specified in Part I A 2.

Depending on the results of four consecutive monitoring periods, benchmark monitoring may not be required to be conducted in subsequent monitoring periods (see Part I A 1 b (2)).

(2) Benchmark monitoring waivers for facilities testing below benchmark concentration values. Waivers from benchmark monitoring are available to facilities whose discharges are below benchmark concentration values on an outfall by outfall basis. Sector-specific benchmark monitoring is not required to be conducted in subsequent monitoring periods during the term of this permit provided:

(a) Samples were collected in four consecutive monitoring periods, and the average of the four samples for all parameters at the outfall is below the applicable benchmark concentration value in Part IV. Facilities that were covered under the 2014 industrial stormwater general permit may use sampling data from the last two monitoring periods of that permit and the first two monitoring periods of this permit to satisfy the four consecutive monitoring periods requirement;

(b) The facility is not subject to a numeric effluent limitation established in Part I A 1 c (1) (stormwater effluent limitations), Part I A 1 c (2) (coal pile runoff), or Part IV (Sector Specific Permit Requirements) for any of the parameters at that outfall; and

(c) A waiver request is submitted to and approved by the board. The waiver request shall be sent to the appropriate DEQ regional office, along with the supporting monitoring data for four consecutive monitoring periods, and a certification that, based on current potential pollutant sources and control measures used, discharges from the facility are reasonably expected to be essentially the same (or cleaner) compared to when the benchmark monitoring for the four consecutive monitoring periods was done.

Waiver requests will be evaluated by the board based upon (i) benchmark monitoring results below the benchmark concentration values; (ii) a favorable compliance history (including inspection results); and (iii) no outstanding enforcement actions.

The monitoring waiver may be revoked by the board for cause. The permittee will be notified in writing that the monitoring waiver is revoked, and that the benchmark monitoring requirements are again in force and will remain in effect until the permit's expiration date.

(3) Samples shall be collected and analyzed in accordance with Part I A 2. Monitoring results shall be reported in accordance with Part I A 5 and Part II C and retained in accordance with Part II B.

c. Compliance monitoring for discharges subject to numerical effluent limitations or discharges to impaired waters.

(1) Facilities subject to stormwater effluent limitation guidelines.

(a) Facilities subject to stormwater effluent limitation guidelines (see Table 70-2) are required to monitor such discharges to evaluate compliance with numerical effluent limitations. Industry-specific numerical limitations and compliance monitoring requirements are described in Part IV of the permit (9VAC25-151-90 et seq.). Permittees with colocated industrial activities at the facility that are described in more than one sector in Part IV shall comply on a discharge-by-discharge basis with all applicable effluent limitations from each sector.

(b) Permittees shall monitor the discharges for the presence of the pollutant subject to the effluent limitation at least once during each of the monitoring periods after coverage under the permit begins. Monitoring commences with the first full monitoring period after the owner is granted coverage under the permit. Monitoring periods are specified in Part I A 2. The substantially identical outfall monitoring provisions (Part I A 2 f) are not available for numeric effluent limits monitoring.
(c) Samples shall be collected and analyzed in accordance with Part I A 2. Monitoring results shall be reported in accordance with Part I A 5 and Part II C, and retained in accordance with Part II B.

| TABLE 70-2<br>STORMWATER-SPECIFIC EFFLUENT LIMITATION GUIDELINES |
|---|
| Effluent Limitation Guidelines Are Not Applicable to Sector AE |

(2) Facilities subject to coal pile runoff monitoring.
(a) Facilities with discharges of stormwater from coal storage piles shall comply with the limitations and monitoring requirements of Table 70-3 for all discharges containing the coal pile runoff, regardless of the facility's sector of industrial activity.
(b) Permittees shall monitor such stormwater discharges at least once during each of the monitoring periods after coverage under the permit begins. Monitoring commences with the first full monitoring period after the owner is granted coverage under the permit. Monitoring periods are specified in Part I A 2. The substantially identical outfall monitoring provisions (Part I A 2 f) are not available for coal pile numeric effluent limits monitoring.
(c) The coal pile runoff shall not be diluted with other stormwater or other flows in order to meet this limitation.
(d) If a facility is designed, constructed and operated to treat the volume of coal pile runoff that is associated with a 10-year, 24-hour rainfall event, any untreated overflow of coal pile runoff from the treatment unit is not subject to the 50 mg/L limitation for total suspended solids.
(e) Samples shall be collected and analyzed in accordance with Part I A 2. Monitoring results shall be reported in accordance with Part I A 5 and Part II C, and retained in accordance with Part II B.

TABLE 70-3
NUMERIC LIMITATIONS FOR COAL PILE RUNOFF

| Parameter | Limit | Monitoring Frequency | Sample Type |
|---|---|---|---|
| Total Suspended Solids (TSS) | 50 mg/l, max. | 1/6 months | Grab |
| pH | 6.0 min. - 9.0 max. | 1/6 months | Grab |

(3) Facilities discharging to an impaired water with an approved TMDL wasteload allocation. Owners of facilities that are a source of the specified pollutant of concern to waters for which a TMDL wasteload allocation has been approved prior to the term of this permit will be notified as such by the department when they are approved for coverage under the general permit.
(a) Upon written notification from the department, facilities subject to TMDL wasteload allocations shall be required to monitor such discharges to evaluate compliance with the TMDL requirements.

(b) Permittees shall monitor the discharges for the pollutant subject to the TMDL wasteload allocation once every six months after coverage under the permit begins, unless otherwise determined by the department for polychlorinated biphenyls (PCBs). Monitoring commences with the first full monitoring period after the owner is granted coverage under the permit. Monitoring periods are specified in Part I A 2.

(c) Samples shall be collected and analyzed in accordance with Part I A 2. Monitoring results shall be reported in accordance with Part I A 5 and Part II C, and retained in accordance with Part II B.

(d) If the pollutant subject to the TMDL wasteload allocation is below the quantitation level in all of the samples from the first four monitoring periods (i.e., the first two years of coverage under the permit), the permittee may request to the board in writing that further sampling be discontinued, unless the TMDL has specific instructions to the contrary (in which case those instructions shall be followed). The laboratory certificate of analysis shall be submitted with the request. If approved, documentation of this shall be kept with the SWPPP.

If the pollutant subject to the TMDL wasteload allocation is above the quantitation level in any of the samples from the first four monitoring periods, the permittee shall continue the scheduled TMDL monitoring throughout the term of the permit.

(4) Facilities discharging to an impaired water without an approved TMDL wasteload allocation.

Owners of facilities that discharge to waters listed as impaired in the 2016 Final 305(b)/303(d) Water Quality Assessment Integrated Report, and for which a TMDL wasteload allocation has not been approved prior to the term of this permit, will be notified as such by the department when they are approved for coverage under the general permit.

(a) Upon written notification from the department, facilities discharging to an impaired water without an approved TMDL wasteload allocation shall be required to monitor such discharges for the pollutants that caused the impairment.

(b) Permittees shall monitor the discharges for all pollutants for which the waterbody is impaired, and for which a standard analytical method exists, at least once during each of the monitoring periods after coverage under the permit begins. Monitoring commences with the first full monitoring period after the owner is granted coverage under the permit. Monitoring periods are specified in Part I A 2.

(c) If the pollutant for which the waterbody is impaired is suspended solids, turbidity, or sediment, or sedimentation, monitor for total suspended solids (TSS). If the pollutant for which the waterbody is impaired is expressed in the form of an indicator or surrogate pollutant, monitor for that indicator or surrogate pollutant. No monitoring is required when a waterbody's biological communities are impaired but no pollutant, including indicator or surrogate pollutants, is specified as causing the impairment, or when a waterbody's impairment is related to hydrologic modifications, impaired hydrology, or temperature.

Samples shall be collected and analyzed in accordance with Part I A 2. Monitoring results shall be reported in accordance with Part I A 5 and Part II C, and retained in accordance with Part II B.

(d) If the pollutant for which the water is impaired is below the quantitation level in the discharges from the facility, or it is above the quantitation level but its presence is caused solely by natural background sources, the permittee may request to the board in writing that further impaired water monitoring be discontinued. The laboratory certificate of analysis shall be submitted with the request. If approved, documentation of this shall be kept with the SWPPP.

To support a determination that the pollutant's presence is caused solely by natural background sources, the following documentation shall be submitted with the request and kept with the SWPPP: (i) an explanation of why it is believed that the presence of the impairment pollutant in the facility's discharge is not related to the activities at the facility; and (ii) data or studies that tie the presence of the impairment pollutant in the facility's discharge to natural background sources in the watershed. Natural background pollutants include those substances that are naturally occurring in soils or groundwater. Natural background pollutants do not include legacy pollutants from earlier activity at the facility's site, or pollutants in run-on from neighboring sources that are not naturally occurring.

2. Monitoring instructions.
   a. Collection and analysis of samples. Sampling requirements shall be assessed on an outfall by outfall basis. Samples shall be collected and analyzed in accordance with the requirements of Part II A.
   b. When and how to sample. A minimum of one grab sample shall be taken from the discharge associated with industrial activity resulting from a storm event that results in a discharge from the site (defined as a "measurable storm event"), providing the interval from the preceding measurable storm event is at least 72 hours. The 72-hour storm interval is waived if the permittee is able to document that less than a 72-hour interval is representative for local storm events during the sampling period. In the case of snowmelt, the monitoring shall be performed at a time when a measurable discharge occurs at the site. For discharges from a stormwater management structure, the monitoring shall be performed at a time when a measurable discharge occurs from the structure.

      The grab sample shall be taken during the first 30 minutes of the discharge. If it is not practicable to take the sample during the first 30 minutes, the sample may be taken during the first three hours of the discharge, provided that the permittee explains why a grab sample during the first 30 minutes was impracticable. This information shall be submitted in the department's electronic discharge monitoring report (e-DMR) system, and maintained with the SWPPP. If the sampled discharge commingles with process or nonprocess water, the permittee shall attempt to sample the stormwater discharge before it mixes with the nonstormwater.

   c. Storm event data. For each monitoring event (except snowmelt monitoring), along with the monitoring results, the permittee shall identify the date and duration (in hours) of the storm events sampled; rainfall total (in inches) of the storm event that generated the sampled runoff; and the duration between the storm event sampled and the end of the previous measurable storm event. For snowmelt monitoring, the permittee shall identify the date of the sampling event.
   d. Monitoring periods.
      (1) Quarterly visual monitoring. The quarterly visual examinations shall be made at least once in each of the following three-month periods each year of permit coverage: January through March, April through June, July through September, and October through December.
      (2) Benchmark monitoring, effluent limitation monitoring, and impaired waters monitoring (for waters both with and without an approved TMDL). Monitoring shall be conducted at least once in each of the following semiannual periods each year of permit coverage: January through June, and July through December.
   e. Documentation explaining a facility's inability to obtain a sample (including dates and times the outfalls were viewed or sampling was attempted), of no rain event, or of deviation from the "measurable" storm event requirements shall be maintained with the SWPPP. Acceptable documentation includes National Climatic Data Center (NCDC) weather station data, local weather station data, facility rainfall logs, and other appropriate supporting data.

f. Representative outfalls - substantially identical discharges. If the facility has two or more outfalls that discharge substantially identical effluents, based on similarities of the industrial activities, significant materials, size of drainage areas, and stormwater management practices occurring within the drainage areas of the outfalls, frequency of discharges, and stormwater management practices occurring within the drainage areas of the outfalls, the permittee may conduct monitoring on the effluent of just one of the outfalls and report that the observations also apply to the substantially identical outfall or outfalls. The substantially identical outfall monitoring provisions apply to quarterly visual monitoring, benchmark monitoring, and impaired waters monitoring (both those with and without an approved TMDL). The substantially identical outfall monitoring provisions are not available for numeric effluent limits monitoring.

The permittee shall include the following information in the SWPPP:
(1) The locations of the outfalls;
(2) An evaluation, including available monitoring data, indicating the outfalls are expected to discharge substantially identical effluents, including evaluation of monitoring data where available; and
(3) An estimate of the size of each outfall's drainage area in acres.

3. Adverse climatic conditions waiver. When adverse weather conditions prevent the collection of samples, a substitute sample may be taken during a qualifying storm event in the next monitoring period. Adverse weather conditions are those that are dangerous or create inaccessibility for personnel, and may include such things as local flooding, high winds, electrical storms, or situations that otherwise make sampling impracticable, such as drought or extended frozen conditions. Unless specifically stated otherwise, this waiver may be applied to any monitoring required under this permit. Narrative documentation of conditions necessitating the use of the waiver shall be kept with the SWPPP.

4. Inactive and unstaffed sites (including temporarily inactive sites).
   a. A waiver of the quarterly visual monitoring, routine facility inspections, and monitoring requirements (including benchmark, effluent limitation, and impaired waters monitoring) may be granted by the board at a facility that is both inactive and unstaffed, as long as the facility remains inactive and unstaffed and there are no industrial materials or activities exposed to stormwater. The owner of such a facility is only required to conduct an annual routine site inspection in accordance with the requirements in Part III B 5.
   b. An inactive and unstaffed sites waiver request shall be submitted to the board for approval and shall include the name of the facility; the facility's VPDES general permit registration number; a contact person, phone number and email address; the reason for the request; and the date the facility became or will become inactive and unstaffed. The waiver request shall be signed and certified in accordance with Part II K. If this waiver is granted, a copy of the request and the board's written approval of the waiver shall be maintained with the SWPPP.
   c. If circumstances change and industrial materials or activities become exposed to stormwater, or the facility becomes either active or staffed, the permittee shall notify the department within 30 days, and all quarterly visual monitoring, routine facility inspections, and monitoring requirements shall be resumed immediately.
   d. The board retains the right to revoke this waiver when it is determined that the discharge is causing, has a reasonable potential to cause, or contributes to a water quality standards violation.
   e. Inactive and unstaffed facilities covered under Sector G (Metal Mining) and Sector H (Coal Mines and Coal Mining-Related Facilities) are not required to meet the "no industrial materials or activities exposed to stormwater" standard to be eligible for this waiver, consistent with the conditional exemption requirements established in Part IV Sector G and Part IV Sector H.

5. Reporting monitoring results.
   a. Reporting to the department. The permittee shall follow the reporting requirements and deadlines below for the types of monitoring that apply to the facility:

| TABLE 70-4<br>MONITORING REPORTING REQUIREMENTS | |
|---|---|
| Quarterly Visual Monitoring | Retain results with SWPPP - do not submit unless requested to do so by the department. |

   Permittees shall submit results for each outfall associated with industrial activity according to the requirements of Part II C.
   b. Significant digits. The permittee shall report at least the same number of significant digits as a numeric effluent limitation or TMDL wasteload allocation for a given parameter; otherwise, at least two significant digits shall be reported for a given parameter. Regardless of the rounding convention used by the permittee (i.e., five always rounding up or to the nearest even number), the permittee shall use the convention consistently and shall ensure that consulting laboratories employed by the permittee use the same convention.

6. Corrective actions.
   a. Data exceeding benchmark concentration values.
      (1) If the benchmark monitoring result exceeds the benchmark concentration value for that parameter, the permittee shall review the SWPPP and modify it as necessary to address any deficiencies that caused the exceedance. Revisions to the SWPPP shall be completed within 60 days after an exceedance is discovered. When control measures need to be modified or added (distinct from regular preventive maintenance of existing control measures described in Part III C), implementation shall be completed before the next anticipated storm event if possible, but no later than 60 days after the exceedance is discovered, or as otherwise provided or approved by the department. In cases where construction is necessary to implement control measures, the permittee shall include a schedule in the SWPPP that provides for the completion of the control measures as expeditiously as practicable, but no later than three years after the exceedance is discovered. Where a construction compliance schedule is included in the SWPPP, the SWPPP shall include appropriate nonstructural and temporary controls to be implemented in the affected portions of the facility prior to completion of the permanent control measure. Any control measure modifications shall be documented and dated, and retained with the SWPPP, along with the amount of time taken to modify the applicable control measures or implement additional control measures.
      (2) Natural background pollutant levels. If the concentration of a pollutant exceeds a benchmark concentration value, and the permittee determines that exceedance of the benchmark is attributable solely to the presence of that pollutant in the natural background, corrective action is not required provided that:
         (a) The concentration of the benchmark monitoring result is less than or equal to the concentration of that pollutant in the natural background;
         (b) The permittee documents and maintains with the SWPPP the supporting rationale for concluding that benchmark exceedances are in fact attributable solely to natural background pollutant levels. The supporting rationale shall include any data previously collected by the facility or others (including literature studies) that describe the levels of natural background pollutants in the facility's stormwater discharges; and

(c) The permittee notifies the department on the benchmark monitoring DMR that the benchmark exceedances are attributable solely to natural background pollutant levels.

Natural background pollutants include those substances that are naturally occurring in soils or groundwater. Natural background pollutants do not include legacy pollutants from earlier activity on the facility's site, or pollutants in run-on from neighboring sources that are not naturally occurring.

b. Corrective actions. The permittee shall take corrective action whenever:
(1) Routine facility inspections, inspections by local, state or federal officials, or any other process, observation or event result in a determination that modifications to the stormwater control measures are necessary to meet the permit requirements;
(2) There is any exceedance of an effluent limitation (including coal pile runoff), TMDL wasteload allocation, or a reduction required by a local ordinance established by a municipality to meet Chesapeake Bay TMDL requirements; or
(3) The department determines, or the permittee becomes aware, that the stormwater control measures are not stringent enough for the discharge to meet applicable water quality standards.

The permittee shall review the SWPPP and modify it as necessary to address any deficiencies. Revisions to the SWPPP shall be completed within 60 days following the discovery of the deficiency. When control measures need to be modified or added (distinct from regular preventive maintenance of existing control measures described in Part III C), implementation shall be completed before the next anticipated storm event if possible, but no later than 60 days after the deficiency is discovered, or as otherwise provided or approved by the department. In cases where construction is necessary to implement control measures, the permittee shall include a schedule in the SWPPP that provides for the completion of the control measures as expeditiously as practicable, but no later than three years after the deficiency is discovered. Where a construction compliance schedule is included in the SWPPP, the SWPPP shall include appropriate nonstructural and temporary controls to be implemented in the affected portion of the facility prior to completion of the permanent control measure. The amount of time taken to modify a control measure or implement additional control measures shall be documented in the SWPPP.

Any corrective actions taken shall be documented and retained with the SWPPP. Reports of corrective actions shall be signed in accordance with Part II K.

c. Follow-up reporting. If at any time monitoring results indicate that discharges from the facility exceed an effluent limitation or a TMDL wasteload allocation, or the department determines that discharges from the facility are causing or contributing to an exceedance of a water quality standard, immediate steps shall be taken to eliminate the exceedances in accordance with the above Part I A 6 b (Corrective actions). Within 30 calendar days of implementing the relevant corrective action, an exceedance report shall be submitted to the department. The following information shall be included in the report:
(1) General permit registration number;
(2) Facility name and address;
(3) Receiving water for each outfall exceeding an effluent limitation of TMDL wasteload allocation;
(4) Monitoring data from the event being reported;
(5) A narrative description of the situation;
(6) A description of actions taken since the event was discovered and steps taken to minimize to the extent feasible pollutants in the discharge; and
(7) A local facility contact name, email address, and phone number.

B. Special conditions.

1. Authorized nonstormwater discharges. Except as provided in this section or in Part IV (9VAC25-151-90 et seq.), all discharges covered by this permit shall be composed entirely of stormwater. The following nonstormwater discharges are authorized by this permit:
   a. Discharges from emergency firefighting activities;
   b. Fire hydrant flushings, managed in a manner to avoid an instream impact;
   c. Potable water, including water line flushings, managed in a manner to avoid an instream impact;
   d. Uncontaminated condensate from air conditioners, coolers, and other compressors and from the outside storage of refrigerated gases or liquids;
   e. Irrigation drainage;
   f. Landscape watering provided all pesticides, herbicides, and fertilizer have been applied in accordance with the approved labeling;
   g. Routine external building washdown that does not use detergents or hazardous cleaning products;
   h. Pavement wash waters where no detergents or hazardous cleaning products are used and no spills or leaks of toxic or hazardous materials have occurred (unless all spilled material has been removed). Pavement wash waters shall be managed in a manner to avoid an instream impact;
   i. Uncontaminated groundwater or spring water;
   j. Foundation or footing drains where flows are not contaminated with process materials; and
   k. Incidental windblown mist from cooling towers that collects on rooftops or adjacent portions of the facility, but not intentional discharges from the cooling tower (e.g., "piped" cooling tower blowdown or drains).

   All other nonstormwater discharges are not authorized and shall either be eliminated or covered under a separate VPDES permit.

2. Releases of hazardous substances or oil in excess of reportable quantities. The discharge of hazardous substances or oil in the stormwater discharges from the facility shall be prevented or minimized in accordance with the SWPPP for the facility. This permit does not authorize the discharge of hazardous substances or oil resulting from an on-site spill. This permit does not relieve the permittee of the reporting requirements of 40 CFR Part 110, 40 CFR Part 117, and 40 CFR Part 302 or § 62.1-44.34:19 of the Code of Virginia.

   Where a release containing a hazardous substance or oil in an amount equal to or in excess of a reportable quantity established under either 40 CFR Part 110, 40 CFR Part 117, or 40 CFR Part 302 occurs during a 24-hour period:
   a. The permittee is required to notify the department in accordance with the requirements of Part II G as soon as he has knowledge of the discharge;
   b. Where a release enters an MS4, the permittee shall also notify the owner of the MS4; and
   c. The SWPPP required under Part III shall be reviewed to identify measures to prevent the reoccurrence of such releases and to respond to such releases, and the SWPPP shall be modified where appropriate.

3. Colocated industrial activity. If the facility has industrial activities occurring on-site which are described by any of the activities in Part IV of the permit (9VAC25-151-90 et seq.), those industrial activities are considered to be colocated industrial activities. Stormwater discharges from colocated industrial activities are authorized by this permit, provided that the permittee complies with any and all additional SWPPP and monitoring requirements from Part IV applicable to that particular colocated industrial activity. The permittee shall be responsible for additional SWPPP and monitoring requirements applicable to the colocated industrial activity by examining the narrative descriptions of all discharges covered under this section.

4. The stormwater discharges authorized by this permit may be combined with other sources of stormwater which are not required to be covered under a VPDES permit, so long as the combined discharge is in compliance with this permit.

5. There shall be no discharge of waste, garbage, or floating debris in other than trace amounts.

6. Approval for coverage under this general permit does not relieve the permittee of the responsibility to comply with any other applicable federal, state, or local statute, ordinance, or regulation.

7. Discharges to waters subject to TMDL wasteload allocations. Owners of facilities that are a source of the specified pollutant of concern to waters for which a TMDL wasteload allocation has been approved prior to the term of this permit shall incorporate measures and controls into the SWPPP required by Part III that are consistent with the assumptions and requirements of the TMDL. The department will provide written notification to the owner that a facility is subject to the TMDL requirements. The facility's SWPPP shall specifically address any conditions or requirements included in the TMDL that are applicable to discharges from the facility. If the TMDL establishes a specific numeric wasteload allocation that applies to discharges from the facility, the owner shall perform any required monitoring in accordance with Part I A 1 c (3), and implement control measures designed to meet that allocation.

8. Discharges to waters subject to the Chesapeake Bay TMDL.
   a. Owners of facilities in the Chesapeake Bay watershed shall monitor their discharges for total suspended solids (TSS), total nitrogen (TN), and total phosphorus (TP) to characterize the contributions from their facility's specific industrial sector for these parameters. Total nitrogen is the sum of total Kjeldahl nitrogen (TKN) and nitrite + nitrate and shall be derived from the results of those tests. After the facility is granted coverage under the permit, samples shall be collected during each of the first four monitoring periods (i.e., the first two years of permit coverage). Monitoring periods are specified in Part I A 2. Samples shall be collected and analyzed in accordance with Part I A 2. Monitoring results shall be reported in accordance with Part I A 5 and Part II C, and retained in accordance with Part II B.
   b. Facilities that were covered under the 2014 industrial stormwater general permit shall comply with the following:
      (1) Facilities that submitted a Chesapeake Bay TMDL action plan that was approved by the board during the 2014 industrial stormwater general permit term shall continue to implement the approved Chesapeake Bay TMDL action plan during this permit term. An annual report shall be submitted to the department by June 30 of each year describing the progress in meeting the required reductions unless this reporting requirement is waived by the department in accordance with Part I B 8 g. Monitoring in accordance with Part I B 8 a is not required for these facilities during this permit term.

(2) Facilities that completed four samples for TSS, TN, and TP during the 2014 industrial stormwater general permit term shall utilize the procedures in Part I B 8 c (2) to calculate their facility stormwater loads. The permittee shall submit a copy of the calculations and Chesapeake Bay TMDL action plan if required under Part I B 8 f to the department within 60 days of coverage under this general permit.

(3) Facilities that did not complete four samples for TSS, TN, and TP during the 2014 industrial stormwater general permit term shall be subject to completing the monitoring requirements in Part I B 8 a beginning with the first full monitoring period after receiving permit coverage. Calculations and a Chesapeake Bay TMDL action plan if required under Part I B 8 f shall be submitted no later than 90 days following the completion of the fourth monitoring period to the DEQ regional office serving the area where the industrial facility is located on a form provided by the department and maintained with the facility's SWPPP.

(4) Facilities that monitored for TSS, TN, or TP may use the applicable sampling data collected during the 2014 industrial stormwater general permit term to satisfy all or part of the four monitoring periods requirement in accordance with Part I B 8 a.

c. Chesapeake Bay TMDL wasteload allocations and Chesapeake Bay TMDL action plans.

(1) EPA's Chesapeake Bay TMDL (December 29, 2010) includes wasteload allocations for VPDES permitted industrial stormwater facilities as part of the regulated stormwater aggregate load. EPA used data submitted by Virginia with the Phase I Chesapeake Bay TMDL Watershed Implementation Plan, including the number of industrial stormwater permits per county and the number of urban acres regulated by industrial stormwater permits, as part of their development of the aggregate load. Aggregate loads for industrial stormwater facilities were appropriate because actual facility loading data were not available to develop individual facility wasteload allocations.

Virginia estimated the loadings from industrial stormwater facilities using actual and estimated facility acreage information and TP, TN, and TSS loading rates from the Northern Virginia Planning District Commission (NVPDC) Guidebook for Screening Urban Nonpoint Pollution Management Strategies (Annandale, VA November 1979), prepared for the Metropolitan Washington Council of Governments. The loading rates used were as follows:

TP - High (80%) imperviousness industrial; 1.5 lb/ac/yr
TN - High (80%) imperviousness industrial; 12.3 lb/ac/yr
TSS - High (80%) imperviousness industrial; 440 lb/ac/yr

The actual facility area information and the TP, TN, and TSS data collected for this permit will be used by the board to quantify the nutrient and sediment loads from VPDES permitted industrial stormwater facilities.

(2) Calculation of facility loads. The permittee shall analyze the nutrient and sediment data collected in accordance with Part I B 8 a and 8 b to determine if pollution reductions are required for this permit term. The permittee shall average the data collected at the facility for each of the pollutants of concern (POC) (e.g., TP, TN, and TSS) and compare the results to the loading rates for TP, TN, and TSS presented in Part I B 8 c (1).

The following formula may be used to determine the loading rate:
$L = 0.226 \times P \times Pj \times (0.05 + (0.9 \times Ia)) \times C$

where:
L = the POC loading rate (lb/acre/year)
P = the annual rainfall (inches/year) - The permittee may use either actual annual average rainfall data for the facility location (in inches/year), the Virginia annual average rainfall of 44.3 inches/year, or another method approved by the board.
Pj = the fraction of annual events that produce runoff - The permittee shall use 0.9 unless the board approves another rate.
Ia = the impervious fraction of the facility impervious area of industrial activity to the facility industrial activity area
C = the POC average concentration of all facility samples (mg/L) - Facilities with multiple outfalls shall calculate a weighted average concentration for each outfall using the drainage area of each outfall.

For total phosphorus and total suspended solids, all daily concentration data below the quantitation level (QL) for the analytical method used shall be treated as half the QL. All daily concentration data equal to or above the QL for the analytical method used shall be treated as it is reported.

For total nitrogen, if none of the daily concentration data for the respective species (i.e., TKN, nitrate, or nitrite) are equal to or above the QL for the respective analytical methods used, the daily TN concentration value reported shall equal one half of the largest QL used for the respective species. If one of the data is equal to or above the QL, the daily TN concentration value shall be treated as that data point is reported. If more than one of the data is above the QL, the daily TN concentration value shall equal the sum of the data points as reported.

d. The permittee shall submit a copy of the calculations to the department within 90 days from the end of the last monitoring period that satisfies the monitoring requirement in Part I B 8 a. Calculations shall be submitted to the DEQ regional office serving the area where the industrial facility is located, on a form provided by the department, and maintained with the facility's SWPPP.
e. Any modification to the facility's industrial acreage or impervious industrial acreage shall require the facility to recalculate facility loading rates. This may require the facility to modify the facility's Chesapeake Bay TMDL action plan or submit a Chesapeake Bay TMDL action plan as appropriate. Any recalculation of facility loading rates or modifications to a Chesapeake Bay TMDL action plan shall be submitted to the department within 90 days of the date on which the permittee completes a site modification. If previous monitoring is no longer representative of the modified facility, monitoring in accordance with Part I B 8 a shall commence within 90 days of the modification and the revised calculations and Chesapeake Bay TMDL action plan if required under Part I B 8 f shall be submitted no later than 90 days following completion of the fourth monitoring period.
f. Chesapeake Bay TMDL action plan requirements. If the calculated facility loading rate for TP, TN, or TSS is above the loading rates for TP, TN, or TSS presented in Part I B 8 c (1), then the permittee shall develop and submit a Chesapeake Bay TMDL action plan to the department.

The Chesapeake Bay TMDL action plan shall be submitted on a form provided by the department to the regional office serving the area where the industrial facility is located within 90 days following the completion of the fourth monitoring period. A copy of the current Chesapeake Bay TMDL action plan and all facility loading rate calculations shall be maintained with the facility's SWPPP. The Chesapeake Bay TMDL action plan shall include:

(1) A determination of the total pollutant load reductions for TP, TN, and TSS (as appropriate) necessary to reduce the annual loads from industrial activities. This shall be determined by multiplying the industrial average times the difference between the TMDL loading rates listed in Part I B 8 c (1) and the actual facility loading rates calculated in accordance with Part I B 8 c (2). The reduction applies to the total difference calculated for each pollutant of concern;
(2) The means and methods, such as management practices and retrofit programs, that will be utilized to meet the required reductions determined in Part I B 8 f (1) and a schedule to achieve those reductions by June 30, 2024. The schedule should include annual milestones to demonstrate the ongoing progress in meeting those reductions; and
(3) The permittee may consider utilization of any pollutant trading or offset program in accordance with §§ 62.1-44.19:20 through 62.1-44.19:23 of the Code of Virginia, governing trading and offsetting, to meet the required reductions.

g. A permittee required to develop and implement a Chesapeake Bay TMDL Action Plan shall submit an annual report to the department by June 30 of each year describing the progress in meeting the required reductions.
h. Chesapeake Bay TMDL action plan annual reporting waiver. Upon implementation of the facility's Chesapeake Bay TMDL action plan, permittees may submit a waiver for the annual reporting requirements. The waiver request shall be submitted for board approval to the DEQ regional office serving the area where the industrial facility is located on a form provided by the department. Annual reporting requirements will be in effect until the permittee receives notice from the department that the waiver has been approved. A copy of the waiver approval shall be maintained with the SWPPP. The waiver may be revoked for cause by the board. A waiver request may be approved by the board once the permittee demonstrates that they have achieved all of the required pollutant reductions calculated under Part I B 8 f (1). Pollutant reductions may be achieved using a combination of the following alternatives:
(1) Reductions provided by one or more of the BMPs from the Virginia Stormwater BMP Clearinghouse listed in 9VAC25-870-65, approved BMPs found on the Virginia Stormwater Clearinghouse website, or BMPs approved by the Chesapeake Bay Program. Any BMPs implemented to provide the required pollutant reductions shall be incorporated in the SWPPP and be permanently maintained by the permittee;
(2) Implementation of site-specific BMPs followed by a minimum of four stormwater samples collected in accordance with sampling requirements in Part I B 8 a that demonstrate pollutant loadings have been reduced below those calculated under Part I B 8 c. Any BMPs implemented to provide the required pollutant reductions shall be incorporated in the SWPPP and be permanently maintained by the permittee; or
(3) Acquisition of nonpoint source credits certified by the board as perpetual in accordance with § 62.1-44.19:20 of the Code of Virginia.

9. Discharges through a regulated MS4 to waters subject to the Chesapeake Bay TMDL. In addition to the requirements of this permit, any facility with industrial activity stormwater discharges through a regulated MS4 that is notified by the MS4 operator that the locality has adopted ordinances to meet the Chesapeake Bay TMDL shall incorporate measures and controls into its SWPPP to comply with applicable local TMDL ordinance requirements.

10. Expansion of facilities that discharge to waters subject to the Chesapeake Bay TMDL. Virginia's Phase I Chesapeake Bay TMDL Watershed Implementation Plan (November 29, 2010), states that the wasteloads from any expansion of an existing permitted facility discharging stormwater in the Chesapeake Bay watershed cannot exceed the nutrient and sediment loadings that were discharged from the expanded portion of the land prior to the land being developed for the expanded industrial activity.

a. For any industrial activity area expansions (i.e., construction activities, including clearing, grading, and excavation activities) that commence on or after July 1, 2019, (the effective date of this permit), the permittee shall document in the SWPPP the information and calculations used to determine the nutrient and sediment loadings discharged from the expanded land area prior to the land being developed, and the measures and controls that were employed to meet the no net increase of stormwater nutrient and sediment load as a result of the expansion of the industrial activity. Any land disturbance that is exempt from permitting under the VPDES construction stormwater general permit regulation (9VAC25-880) is exempt from this requirement.
b. The permittee may use the VSMP water quality design criteria to meet the requirements of Part I B 10 a. Under this criteria, the total phosphorus load shall not exceed the greater of (i) the total phosphorus load that was discharged from the expanded portion of the land prior to the land being developed for the industrial activity or (ii) 0.41 pounds per acre per year. Compliance with the water quality design criteria may be determined utilizing the Virginia Runoff Reduction Method or another equivalent methodology approved by the board. Design specifications and pollutant removal efficiencies for specific BMPs can be found on the Virginia Stormwater BMP Clearinghouse website.
c. The permittee may consider utilization of any pollutant trading or offset program in accordance with §§ 62.1-44.19:20 through 62.1-44.19:23 of the Code of Virginia, governing trading and offsetting, to meet the no net increase requirement.

10. Water quality protection. The discharges authorized by this permit shall be controlled as necessary to meet applicable water quality standards. The board expects that compliance with the conditions in this permit will control discharges as necessary to meet applicable water quality standards.

11. Adding or deleting stormwater outfalls. The permittee may add new or delete existing stormwater outfalls at the facility as necessary and appropriate. The permittee shall update the SWPPP and notify the department of all outfall changes within 30 days of the change. The permittee shall submit a copy of the updated SWPPP site map with this notification.

12. Antidegradation requirements for new or increased discharges to high quality waters. Facilities that add new outfalls, or increase their discharges from existing outfalls that discharge directly to high quality waters designated under Virginia's water quality standards antidegradation policy under 9VAC25-260-30 A 2 may be notified by the department that additional control measures, or other permit conditions are necessary to comply with the applicable antidegradation requirements, or may be notified that an individual permit is required in accordance with 9VAC25-31-170 B 3.

13. Termination of permit coverage.
    a. The owner may terminate coverage under this general permit by filing a complete notice of termination with the department. The notice of termination may be filed after one or more of the following conditions have been met:
        (1) Operations have ceased at the facility and there are no longer discharges of stormwater associated with industrial activity from the facility;
        (2) A new owner has assumed responsibility for the facility. A notice of termination does not have to be submitted if a VPDES Change of Ownership Agreement Form has been submitted;
        (3) All stormwater discharges associated with industrial activity have been covered by an individual VPDES permit; or
        (4) Termination of coverage is being requested for another reason, provided the board agrees that coverage under this general permit is no longer needed.

b. The notice of termination shall contain the following information:
   (1) Owner's name, mailing address, telephone number, and email address (if available);
   (2) Facility name and location;
   (3) VPDES industrial stormwater general permit registration number;
   (4) The basis for submitting the notice of termination, including:
      (a) A statement indicating that a new owner has assumed responsibility for the facility;
      (b) A statement indicating that operations have ceased at the facility, and there are no longer discharges of stormwater associated with industrial activity from the facility;
      (c) A statement indicating that all stormwater discharges associated with industrial activity have been covered by an individual VPDES permit; or
      (d) A statement indicating that termination of coverage is being requested for another reason and a description of the reason; and
   (5) The following certification: "I certify under penalty of law that all stormwater discharges associated with industrial activity from the identified facility that are authorized by this VPDES general permit have been eliminated, or covered under a VPDES individual permit, or that I am no longer the owner of the industrial activity, or permit coverage should be terminated for another reason listed above. I understand that by submitting this notice of termination, that I am no longer authorized to discharge stormwater associated with industrial activity in accordance with the general permit, and that discharging pollutants in stormwater associated with industrial activity to surface waters is unlawful where the discharge is not authorized by a VPDES permit. I also understand that the submittal of this notice of termination does not release an owner from liability for any violations of this permit or the Clean Water Act."
c. The notice of termination shall be signed in accordance with Part II K.
d. The notice of termination shall be submitted to the DEQ regional office serving the area where the industrial facility is located.

# Part II. Conditions Applicable To All VPDES Permits

A. Monitoring.

1. Samples and measurements taken as required by this permit shall be representative of the monitored activity.
2. Monitoring shall be conducted according to procedures approved under 40 CFR Part 136 or alternative methods approved by the U.S. Environmental Protection Agency, unless other procedures have been specified in this permit.
3. The permittee shall periodically calibrate and perform maintenance procedures on all monitoring and analytical instrumentation at intervals that will ensure accuracy of measurements.
4. Samples taken as required by this permit shall be analyzed in accordance with 1VAC30-45, (Certification for Noncommercial Environmental Laboratories), or 1VAC30-46 (Accreditation for Commercial Environmental Laboratories).

B. Records.

1. Records of monitoring information shall include:
   a. The date, exact place, and time of sampling or measurements;
   b. The individuals who performed the sampling or measurements;
   c. The dates and times analyses were performed;
   d. The individuals who performed the analyses;
   e. The analytical techniques or methods used; and
   f. The results of such analyses.
2. The permittee shall retain copies of the SWPPP, including any modifications made during the term of this permit, records of all monitoring information, including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation, copies of all reports required by this permit, and records of all data used to complete the registration statement for this permit, for a period of at least three years from the date that coverage under this permit expires or is terminated. This period of retention shall be extended automatically during the course of any unresolved litigation regarding the regulated activity or regarding control standards applicable to the permittee, or as requested by the board.

C. Reporting Monitoring Results.

1. The permittee shall submit the results of the monitoring required by this permit not later than the 10th day of the month after monitoring takes place, unless another reporting schedule is specified elsewhere in this permit. Monitoring results shall be submitted to the department's regional office.
2. Monitoring results shall be reported in the department's electronic discharge monitoring report (e-DMR) system. All reports and forms submitted in compliance with this permit shall be submitted electronically by the permittee in accordance with 9VAC25-31-1020.
3. If the permittee monitors any pollutant specifically addressed by this permit more frequently than required by this permit using test procedures approved under 40 CFR Part 136 or using other test procedures approved by the U.S. Environmental Protection Agency or using procedures specified in this permit, the results of this monitoring shall be included in the calculation and reporting of the data submitted in e-DMR or reporting form specified by the department.
4. Calculations for all limitations which require averaging of measurements shall utilize an arithmetic mean unless otherwise specified in this permit.

D. Duty to Provide Information.

The permittee shall furnish to the Department, within a reasonable time, any information which the board may request to determine whether cause exists for modifying, revoking and reissuing, or terminating coverage under this permit or to determine compliance with this permit. The board may require the permittee to furnish, upon request, such plans, specifications, and other pertinent information as may be necessary to determine the effect of the wastes from the discharge on the quality of state waters, or such other information as may be necessary to accomplish the purposes of the State Water Control Law. The permittee shall also furnish to the department upon request, copies of records required to be kept by this permit.

E. Compliance Schedule Reports.

Reports of compliance or noncompliance with, or any progress reports on, interim and final requirements contained in any compliance schedule of this permit shall be submitted no later than 14 days following each schedule date.

F. Unauthorized Discharges.

Except in compliance with this permit, or another permit issued by the Board, it shall be unlawful for any person to:

1. Discharge into state waters sewage, industrial wastes, other wastes, or any noxious or deleterious substances; or
2. Otherwise alter the physical, chemical or biological properties of such state waters and make them detrimental to the public health, or to animal or aquatic life, or to the use of such waters for domestic or industrial consumption, or for recreation, or for other uses.

G. Reports of Unauthorized Discharges.

Any permittee who discharges or causes or allows a discharge of sewage, industrial waste, other wastes or any noxious or deleterious substance into or upon state waters in violation of Part II F; or who discharges or causes or allows a discharge that may reasonably be expected to enter state waters in violation of Part II F, shall notify the department of the discharge immediately upon discovery of the discharge, but in no case later than 24 hours after said discovery. A written report of the unauthorized discharge shall be submitted to the department within five days of discovery of the discharge. The written report shall contain:

1. A description of the nature and location of the discharge;
2. The cause of the discharge;
3. The date on which the discharge occurred;
4. The length of time that the discharge continued;
5. The volume of the discharge;
6. If the discharge is continuing, how long it is expected to continue;
7. If the discharge is continuing, what the expected total volume of the discharge will be; and
8. Any steps planned or taken to reduce, eliminate and prevent a recurrence of the present discharge or any future discharges not authorized by this permit.

Discharges reportable to the department under the immediate reporting requirements of other regulations are exempted from this requirement.

H. Reports of Unusual or Extraordinary Discharges.

If any unusual or extraordinary discharge including a bypass or upset should occur from a treatment works and the discharge enters or could be expected to enter state waters, the permittee shall promptly notify, in no case later than 24 hours, the department by telephone after the discovery of the discharge. This notification shall provide all available details of the incident, including any adverse affects on aquatic life and the known number of fish killed. The permittee shall reduce the report to writing and shall submit it to the department within five days of discovery of the discharge in accordance with Part II I 1 b. Unusual and extraordinary discharges include any discharge resulting from:

1. Unusual spillage of materials resulting directly or indirectly from processing operations;
2. Breakdown of processing or accessory equipment;
3. Failure or taking out of service some or all of the treatment works; and
4. Flooding or other acts of nature.

I. Reports of Noncompliance.

1. The permittee shall report any noncompliance that may adversely affect state waters or may endanger public health.
   a. An oral report shall be provided within 24 hours from the time the permittee becomes aware of the circumstances. The following shall be included as information which shall be reported within 24 hours under Part II I:
      (1) Any unanticipated bypass; and
      (2) Any upset which causes a discharge to surface waters.
   b. A written report shall be submitted within five days and shall contain:
      (1) A description of the noncompliance and its cause;
      (2) The period of noncompliance, including exact dates and times, and if the noncompliance has not been corrected, the anticipated time it is expected to continue; and
      (3) Steps taken or planned to reduce, eliminate, and prevent reoccurrence of the noncompliance.

   The board may waive the written report on a case-by-case basis for reports of noncompliance under Part II I if the oral report has been received within 24 hours and no adverse impact on state waters has been reported.

2. The permittee shall report all instances of noncompliance not reported under Part II I 1 in writing, at the time the next monitoring reports are submitted. The reports shall contain the information listed in Part II I 1.
3. The immediate (within 24 hours) reports required in Part II G, H. and I. may be made to the department's Northern Regional Office at (703) 583-3800 (voice) or online at http://www.deq.virginia.gov/Programs/PollutionResponsePreparedness/MakingaReport.aspx. For reports outside normal working hours, a message may be left and this shall fulfill the immediate reporting requirement. For emergencies, the Virginia Department of Emergency Management maintains a 24-hour telephone service at 1-800-468-8892.

J. Notice of Planned Changes.

1. The permittee shall give notice to the department as soon as possible of any planned physical alterations or additions to the permitted facility. Notice is required only when:
   a. The permittee plans alteration or addition to any building, structure, facility, or installation from which there is or may be a discharge of pollutants, the construction of which commenced:

(1) After promulgation of standards of performance under § 306 of Clean Water Act which are applicable to such source; or
(2) After proposal of standards of performance in accordance with § 306 of Clean Water Act which are applicable to such source, but only if the standards are promulgated in accordance with § 306 within 120 days of their proposal;

b. The alteration or addition could significantly change the nature or increase the quantity of pollutants discharged. This notification applies to pollutants which are subject neither to effluent limitations nor to notification requirements specified elsewhere in this permit; or
c. The alteration or addition results in a significant change in the permittee's sludge use or disposal practices, and such alteration, addition, or change may justify the application of permit conditions that are different from or absent in the existing permit, including notification of additional use or disposal sites not reported during the permit application process or not reported pursuant to an approved land application plan.

2. The permittee shall give advance notice to the Department of any planned changes in the permitted facility or activity which may result in noncompliance with permit requirements.

K. Signatory Requirements.

1. Registration Statements. All registration statements shall be signed as follows:
   a. For a corporation: by a responsible corporate officer. For the purpose of this section, a responsible corporate officer means (i) a president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy- or decision-making functions for the corporation; or (ii) the manager of one or more manufacturing, production, or operating facilities, provided the manager is authorized to make management decisions that govern the operation of the regulated facility including having the explicit or implicit duty of making major capital investment recommendations, and initiating and directing other comprehensive measures to assure long-term environmental compliance with environmental laws and regulations; the manager can ensure that the necessary systems are established or actions taken to gather complete and accurate information for permit registration requirements; and where authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures;
   b. For a partnership or sole proprietorship: by a general partner or the proprietor, respectively; or
   c. For a municipality, state, federal, or other public agency: by either a principal executive officer or ranking elected official. For purposes of this section, a principal executive officer of a public agency includes (i) the chief executive officer of the agency, or (ii) a senior executive officer having responsibility for the overall operations of a principal geographic unit of the agency.
2. Reports, etc. All reports required by permits, and other information requested by the board shall be signed by a person described in Part II K 1 or by a duly authorized representative of that person. A person is a duly authorized representative only if:
   a. The authorization is made in writing by a person described in Part II K 1;
   b. The authorization specifies either an individual or a position having responsibility for the overall operation of the regulated facility or activity such as the position of plant manager, operator of a well or a well field, superintendent, position of equivalent responsibility, or an individual or position having overall responsibility for environmental matters for the company. A duly authorized representative may thus be either a named individual or any individual occupying a named position; and
   c. The written authorization is submitted to the department.
3. Changes to authorization. If an authorization under Part II K 2 is no longer accurate because a different individual or position has responsibility for the overall operation of the facility, a new authorization satisfying the requirements of Part II K 2 shall be submitted to the department prior to or together with any reports, or information to be signed by an authorized representative.

4. Certification. Any person signing a document under Part II K 1 or 2 shall make the following certification:

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

L. Duty to Comply.

The permittee shall comply with all conditions of this permit. Any permit noncompliance constitutes a violation of the State Water Control Law and the Clean Water Act, except that noncompliance with certain provisions of this permit may constitute a violation of the State Water Control Law but not the Clean Water Act. Permit noncompliance is grounds for enforcement action; for permit coverage termination or denial of a permit coverage renewal.

The permittee shall comply with effluent standards or prohibitions established under § 307(a) of the Clean Water Act for toxic pollutants within the time provided in the regulations that establish these standards even if this permit has not yet been modified to incorporate the requirement.

M. Duty to Reapply.

If the permittee wishes to continue an activity regulated by this permit after the expiration date of this permit, the permittee shall submit a new registration statement at least 60 days before the expiration date of the existing permit, unless permission for a later date has been granted by the board. The board shall not grant permission for registration statements to be submitted later than the expiration date of the existing permit.

N. Effect of a Permit.

This permit does not convey any property rights in either real or personal property or any exclusive privileges, nor does it authorize any injury to private property or invasion of personal rights, or any infringement of federal, state or local law or regulations.

O. State Law.

Nothing in this permit shall be construed to preclude the institution of any legal action under, or relieve the permittee from any responsibilities, liabilities, or penalties established pursuant to any other state law or regulation or under authority preserved by § 510 of the Clean Water Act. Except as provided in permit conditions on "bypassing" (Part II U), and "upset" (Part II V) nothing in this permit shall be construed to relieve the permittee from civil and criminal penalties for noncompliance.

P. Oil and Hazardous Substance Liability.

Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities, or penalties to which the permittee is or may be subject under §§ 62.1-44.34:14 through 62.1-44.34:23 of the State Water Control Law.

Q. Proper Operation and Maintenance.

The permittee shall at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used by the permittee to achieve compliance with the conditions of this permit. Proper operation and maintenance also includes effective plant performance, adequate funding, adequate staffing, and adequate laboratory and process controls, including appropriate quality assurance procedures. This provision requires the operation of back-up or auxiliary facilities or similar systems which are installed by the permittee only when the operation is necessary to achieve compliance with the conditions of this permit.

R. Disposal of Solids or Sludges.

Solids, sludges or other pollutants removed in the course of treatment or management of pollutants shall be disposed of in a manner so as to prevent any pollutant from such materials from entering state waters.

S. Duty to Mitigate.

The permittee shall take all reasonable steps to minimize or prevent any discharge or sludge use or disposal in violation of this permit which has a reasonable likelihood of adversely affecting human health or the environment.

T. Need to Halt or Reduce Activity not a Defense.

It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.

U. Bypass

1. "Bypass" means the intentional diversion of waste streams from any portion of a treatment facility. The permittee may allow any bypass to occur which does not cause effluent limitations to be exceeded, but only if it also is for essential maintenance to assure efficient operation. These bypasses are not subject to the provisions of Part II U 2 and 3.
2. Notice
   a. Anticipated bypass. If the permittee knows in advance of the need for a bypass, prior notice shall be submitted, if possible at least 10 days before the date of the bypass.
   b. Unanticipated bypass. The permittee shall submit notice of an unanticipated bypass as required in Part II I.
3. Prohibition of bypass.
   a. Bypass is prohibited, and the board may take enforcement action against a permittee for bypass, unless:
      (1) Bypass was unavoidable to prevent loss of life, personal injury, or severe property damage;
      (2) There were no feasible alternatives to the bypass, such as the use of auxiliary treatment facilities, retention of untreated wastes, or maintenance during normal periods of equipment downtime. This condition is not satisfied if adequate back-up equipment should have been installed in the exercise of reasonable engineering judgment to prevent a bypass which occurred during normal periods of equipment downtime or preventive maintenance; and
      (3) The permittee submitted notices as required under Part II U 2.
   b. The board may approve an anticipated bypass, after considering its adverse effects, if the board determines that it will meet the three conditions listed above in Part II U 3 a.

V. Upset.

1. An upset constitutes an affirmative defense to an action brought for noncompliance with technology based permit effluent limitations if the requirements of Part II V 2 are met. A determination made during administrative review of claims that noncompliance was caused by upset, and before an action for noncompliance, is not a final administrative action subject to judicial review.
2. A permittee who wishes to establish the affirmative defense of upset shall demonstrate, through properly signed, contemporaneous operating logs, or other relevant evidence that:
   a. An upset occurred and that the permittee can identify the causes of the upset;
   b. The permitted facility was at the time being properly operated;
   c. The permittee submitted notice of the upset as required in Part II I; and
   d. The permittee complied with any remedial measures required under Part II S.
3. In any enforcement proceeding the permittee seeking to establish the occurrence of an upset has the burden of proof.

W. Inspection and Entry.

The permittee shall allow the director, or an authorized representative, including an authorized contractor acting as a representative of the administrator, upon presentation of credentials and other documents as may be required by law, to:

1. Enter upon the permittee's premises where a regulated facility or activity is located or conducted, or where records must be kept under the conditions of this permit;
2. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;
3. Inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this permit; and
4. Sample or monitor at reasonable times, for the purposes of assuring permit compliance or as otherwise authorized by the Clean Water Act and the State Water Control Law, any substances or parameters at any location.

For purposes of this section, the time for inspection shall be deemed reasonable during regular business hours, and whenever the facility is discharging. Nothing contained herein shall make an inspection unreasonable during an emergency.

X. Permit Actions.

Permit coverages may be terminated for cause. The filing of a request by the permittee for a permit termination, or a notification of planned changes or anticipated noncompliance does not stay any permit condition.

Y. Transfer of Permits.

1. Permits are not transferable to any person except after notice to the department.
2. Coverage under this permit may be automatically transferred to a new permittee if:
   a. The current permittee notifies the department within 30 days of the transfer of the title to the facility or property; unless permission for a later date has been granted by the board;
   b. The notice includes a written agreement between the existing and new permittees containing a specific date for transfer of permit responsibility, coverage, and liability between them; and
   c. The board does not notify the existing permittee and the proposed new permittee of its intent to deny the new permittee coverage under the permit. If this notice is not received, the transfer is effective on the date specified in the agreement mentioned in Part II Y 2 b.

Z. Severability.

The provisions of this permit are severable, and if any provision of this permit or the application of any provision of this permit to any circumstance is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby.

# Part III. Stormwater Pollution Prevention Plan

A stormwater pollution prevention plan (SWPPP) shall be developed and implemented for the facility covered by this permit. The SWPPP is intended to document the selection, design, and installation of control measures, including BMPs, to minimize the pollutants in all stormwater discharges from the facility, and to meet applicable effluent limitations and water quality standards.

The SWPPP requirements of this general permit may be fulfilled, in part, by incorporating by reference other plans or documents such as a spill prevention control and countermeasure (SPCC) plan developed for the facility under § 311 of the Clean Water Act, or best management practices (BMP) programs otherwise required for the facility, provided that the incorporated plan meets or exceeds the plan requirements of Part III B (Contents of the SWPPP). All plans incorporated by reference into the SWPPP become enforceable under this permit. If a plan incorporated by reference does not contain all of the required elements of the SWPPP of Part III B, the permittee shall develop the missing SWPPP elements and include them in the required plan.

A. Deadlines for SWPPP preparation and compliance.

1. Facilities that were covered under the 2014 Industrial Stormwater General Permit. Owners of facilities that were covered under the 2014 Industrial Stormwater General Permit who are continuing coverage under this general permit shall update and implement any revisions to the SWPPP within 90 days of the board granting coverage under this permit.
2. New facilities, facilities previously covered by an expiring individual permit, and existing facilities not currently covered by a VPDES permit. Owners of new facilities, facilities previously covered by an expiring individual permit, and existing facilities not currently covered by a VPDES permit who elect to be covered under this general permit shall prepare and implement the SWPPP prior to submitting the registration statement.
3. New owners of existing facilities. Where the owner of an existing facility that is covered by this permit changes, the new owner of the facility shall update and implement any revisions to the SWPPP within 60 days of the ownership change.
4. Extensions. Upon a showing of good cause, the director may establish a later date in writing for the preparation and compliance with the SWPPP.

B. Contents of the SWPPP.

The contents of the SWPPP shall comply with the requirements listed below and those in the appropriate sectors of Part IV (9VAC25-151-90 et seq.). These requirements are cumulative. If a facility has colocated industrial activities that are covered in more than one sector of Part IV, that facility's SWPPP shall comply with the requirements listed in all applicable sectors. The following requirements are applicable to all SWPPPs developed under this general permit. The SWPPP shall include, at a minimum, the following items:

1. Pollution prevention team. The SWPPP shall identify the staff individuals by name or title who comprise the facility's stormwater pollution prevention team. The pollution prevention team is responsible for assisting the facility or plant manager in developing, implementing, maintaining, revising and ensuring compliance with the facility's SWPPP. Specific responsibilities of each staff individual on the team shall be identified and listed.
2. Site description. The SWPPP shall include the following:
   a. A description of the industrial activities at the facility.
   b. A site map identifying the following:
      (1) The boundaries of the property and the size of the property in acres;
      (2) The location and extent of significant structures and impervious surfaces;

(3) Locations of all stormwater conveyances, including ditches, pipes, swales, and inlets, and the directions of stormwater flow using arrows to indicate which direction stormwater will flow;
(4) Locations of all stormwater control measures, including BMPs;
(5) Locations of all surface water bodies, including wetlands;
(6) Locations of potential pollutant sources identified under Part III B 3;
(7) Locations where significant spills or leaks identified under Part III B 3 c have occurred;
(8) Locations of stormwater outfalls.
(a) An approximate outline of the area draining to each outfall;
(b) The drainage area of each outfall in acres;
(c) The longitude and latitude of each outfall;
(d) The location of any MS4 conveyance receiving discharge from the facility; and
(e) Each outfall shall be identified with a unique numerical identification code. For example: Outfall Number 001, Outfall Number 002, etc.;
(9) Location and description of all nonstormwater discharges;
(10) Location of any storage piles containing salt;
(11) Locations and sources of suspected run-on to the site from an adjacent property if the run-on is suspected of containing significant quantities of pollutants; and
(12) Locations of all stormwater monitoring points.

c. Receiving waters and wetlands. The name of all surface waters receiving discharges from the site, including intermittent streams, dry sloughs, and arroyos. Provide a description of wetland sites that may receive discharges from the facility. If the facility discharges through an MS4, identify the MS4 operator, and the receiving water to which the MS4 discharges.

3. Summary of potential pollutant sources. The SWPPP shall identify each separate area at the facility where industrial materials or activities are exposed to stormwater. Industrial materials or activities include material handling equipment or activities, industrial machinery, raw materials, industrial production and processes, intermediate products, byproducts, final products, and waste products. Material handling activities include the storage, loading and unloading, transportation, disposal, or conveyance of any raw material, intermediate product, final product or waste product. For each separate area identified, the description shall include:
   a. Activities in the area. A list of the industrial activities exposed to stormwater.
   b. Pollutants. A list of the pollutants, pollutant constituents, or industrial chemicals associated with each industrial activity that could potentially be exposed to stormwater. The pollutant list shall include all significant materials handled, treated, stored or disposed that have been exposed to stormwater in the three years prior to the date this SWPPP was prepared or amended. The list shall include any hazardous substances or oil at the facility.
   c. Spills and leaks. The SWPPP shall clearly identify areas where potential spills and leaks that can contribute pollutants to stormwater discharges can occur and their corresponding outfalls. The SWPPP shall include a list of significant spills and leaks of toxic or hazardous pollutants that actually occurred at exposed areas, or that drained to a stormwater conveyance during the three-year period prior to the date this SWPPP was prepared or amended. The list shall be updated within 60 days of the incident if significant spills or leaks occur in exposed areas of the facility during the term of the permit.
   d. Sampling data. The SWPPP shall include stormwater discharge sampling data collected during the previous three years.
4. Stormwater controls.
   a. Control measures shall be implemented for all the areas identified in Part III B 3 to prevent or control pollutants in stormwater discharges from the facility. Regulated stormwater discharges from the facility include stormwater run-on that commingles with stormwater discharges associated with industrial activity at the facility. The SWPPP shall describe the type, location and implementation of all control measures for each area where industrial materials or activities are exposed to stormwater.
   Selection of control measures shall take into consideration:

(1) That preventing stormwater from coming into contact with polluting materials is generally more effective, and less costly, than trying to remove pollutants from stormwater;
(2) Control measures generally shall be used in combination with each other for most effective water quality protection;
(3) Assessing the type and quantity of pollutants, including their potential to impact receiving water quality, is critical to designing effective control measures;
(4) That minimizing impervious areas at the facility can reduce runoff and improve groundwater recharge and stream base flows in local streams (however, care must be taken to avoid groundwater contamination);
(5) Flow attenuation by use of open vegetated swales and natural depressions can reduce instream impacts of erosive flows;
(6) Conservation or restoration of riparian buffers will help protect streams from stormwater runoff and improve water quality; and
(7) Treatment interceptors (e.g., swirl separators and sand filters) may be appropriate in some instances to minimize the discharge of pollutants.

b. Nonnumeric technology-based effluent limits. The permittee shall implement the following types of control measures to prevent and control pollutants in the stormwater discharges from the facility, unless it can be demonstrated and documented that such controls are not relevant to the discharges.
(1) Good housekeeping. The permittee shall keep clean all exposed areas of the facility that are potential sources of pollutants to stormwater discharges. The permittee shall perform the following good housekeeping measures to minimize pollutant discharges:
(a) The SWPPP shall include a schedule for regular pickup and disposal of waste materials, along with routine inspections for leaks and conditions of drums, tanks, and containers;
(b) As feasible, the facility shall sweep or vacuum;
(c) Store materials in containers constructed of appropriate materials;
(d) Manage all waste containers to prevent a discharge of pollutants;
(e) Minimize the potential for waste, garbage, and floatable debris to be discharged by keeping areas exposed to stormwater free of such materials or by intercepting such materials prior to discharge; and
(f) Facilities that handle pre-production plastic or plastic waste shall implement BMPs to eliminate stormwater discharges of plastics.
(2) Eliminating and minimizing exposure. To the extent practicable, manufacturing, processing, and material storage areas (including loading and unloading, storage, disposal, cleaning, maintenance, and fueling operations) shall be located inside, or protected by a storm-resistant covering to prevent exposure to rain, snow, snowmelt, and runoff. Eliminating exposure at all industrial areas may make the facility eligible for the "Conditional Exclusion for No Exposure" provision of 9VAC25-31-120 E, thereby eliminating the need to have a permit. Unless infeasible, facilities shall implement the following:
(a) Use grading, berming, or curbing to prevent runoff of contaminated flows and divert run-on away from potential sources of pollutants;
(b) Locate materials, equipment, and activities so that potential leaks and spills are contained, or able to be contained, or diverted before discharge;
(c) Clean up spills and leaks immediately, upon discovery of the spills or leaks, using dry methods (e.g., absorbents) to prevent the discharge of pollutants;
(d) Store leaking vehicles and equipment indoors or, if stored outdoors, use drip pans and adsorbents;
(e) Utilize appropriate spill or overflow protections equipment;
(f) Perform all vehicle maintenance or equipment cleaning operations indoors, under cover, or in bermed areas that prevent runoff and run-on and also capture any overspray; and

(g) Drain fluids from equipment and vehicles that will be decommissioned, and for any equipment and vehicles that remain unused for extended periods of time, inspect at least monthly for leaks.

(3) Preventive maintenance. The permittee shall have a preventive maintenance program that includes regular inspection, testing, maintenance and repairing of all industrial equipment and systems to avoid situations that could result in leaks, spills and other releases of pollutants in stormwater discharged from the facility. This program is in addition to the specific control measure maintenance required under Part III C (Maintenance).

(4) Spill prevention and response procedures. The SWPPP shall describe the procedures that will be followed for preventing and responding to spills and leaks, including:

(a) Preventive measures, such as barriers between material storage and traffic areas, secondary containment provisions, and procedures for material storage and handling;

(b) Response procedures, including notification of appropriate facility personnel, emergency agencies, and regulatory agencies, and procedures for stopping, containing and cleaning up spills. Measures for cleaning up hazardous material spills or leaks shall be consistent with applicable Resource Conservation and Recovery Act regulations at 40 CFR Part 264 and 40 CFR Part 265. Employees who may cause, detect or respond to a spill or leak shall be trained in these procedures and have necessary spill response equipment available. If possible, one of these individuals shall be a member of the Pollution Prevention Team;

(c) Procedures for plainly labeling containers (e.g., "used oil," "spent solvents," "fertilizers and pesticides," etc.) that could be susceptible to spillage or leakage to encourage proper handling and facilitate rapid response if spills or leaks occur; and

(d) Contact information for individuals and agencies that must be notified in the event of a spill shall be included in the SWPPP, and in other locations where it will be readily available.

(5) Salt storage piles or piles containing salt. Storage piles of salt or piles containing salt used for deicing or other commercial or industrial purposes shall be enclosed or covered to prevent exposure to precipitation. The permittee shall implement appropriate measures (e.g., good housekeeping, diversions, containment) to minimize exposure resulting from adding to or removing materials from the pile. All salt storage piles shall be located on an impervious surface. All runoff from the pile, and runoff that comes in contact with salt, including under drain systems, shall be collected and contained within a bermed basin lined with concrete or other impermeable materials, or within an underground storage tank or tanks, or within an above ground storage tank or tanks, or disposed of through a sanitary sewer (with the permission of the owner of the treatment facility). A combination of any or all of these methods may be used. In no case shall salt contaminated stormwater be allowed to discharge directly to the ground or to surface waters.

(6) Employee training. The permittee shall implement a stormwater employee training program for the facility. The SWPPP shall include a schedule for all types of necessary training, and shall document all training sessions and the employees who received the training. Training shall be provided at least annually for all employees who work in areas where industrial materials or activities are exposed to stormwater, and for employees who are responsible for implementing activities identified in the SWPPP (e.g., inspectors, maintenance personnel, etc.). The training shall cover the components and goals of the SWPPP, and include such topics as spill response, good housekeeping, material management practices, control measure operation and maintenance, etc. The SWPPP shall include a summary of any training performed.

(7) Sediment and erosion control. The SWPPP shall identify areas at the facility that, due to topography, land disturbance (e.g., construction, landscaping, site grading), or other factors, have a potential for soil erosion. The permittee shall identify and implement structural, vegetative, and stabilization control measures to prevent or control on-site and off-site erosion and sedimentation. Flow velocity dissipation devices shall be placed at discharge locations and along the length of any outfall channel if the flows would otherwise create erosive conditions.

(8) Management of runoff. The SWPPP shall describe the stormwater runoff management practices (i.e., permanent structural control measures) for the facility. These types of control measures shall be used to divert, infiltrate, reuse, or otherwise reduce pollutants in stormwater discharges from the site.

Structural control measures may require a separate permit under § 404 of the Clean Water Act and the Virginia Water Protection Permit Program Regulation (9VAC25-210) before installation begins.

(9) Dust suppression and vehicle tracking of industrial materials. The permittee shall implement control measures to minimize the generation of dust and off-site tracking of raw, final, or waste materials. Stormwater collected on-site may be used for the purposes of dust suppression or for spraying stockpiles. Potable water, well water, and uncontaminated reuse water may also be used for this purpose. There shall be no direct discharge to surface waters from dust suppression activities or as a result of spraying stockpiles.

5. Routine facility inspections. Personnel who possess the knowledge and skills to assess conditions and activities that could impact stormwater quality at the facility and who can also evaluate the effectiveness of control measures shall regularly inspect all areas of the facility where industrial materials or activities are exposed to stormwater, areas where spills or leaks have occurred in the past three years, discharge points, and control measures. At least one member of the pollution prevention team shall participate in the routine facility inspections.

The inspection frequency shall be specified in the SWPPP based upon a consideration of the level of industrial activity at the facility, but shall be at a minimum of once per calendar quarter unless more frequent intervals are specified elsewhere in the permit or written approval is received from the department for less frequent intervals. Inspections shall be performed during operating hours. At least once each calendar year, the routine facility inspection shall be conducted during a period when a stormwater discharge is occurring.

The requirement for routine facility inspections is waived for facilities that have maintained an active VEEP E3/E4 status. Certain sectors in Part IV have additional inspection requirements. If the VEEP E3/E4 waiver language is not included for the sector specific inspections, these additional inspection requirements may not be waived.

Any deficiencies in the implementation of the SWPPP that are found shall be corrected as soon as practicable, but not later than within 60 days of the inspection, unless permission for a later date is granted in writing by the director. The results of the inspections shall be documented in the SWPPP and shall include at a minimum:

a. The inspection date;
b. The names of the inspectors;
c. Weather information and a description of any discharges occurring at the time of the inspection;
d. Any previously unidentified discharges of pollutants from the site;
e. Any control measures needing maintenance or repairs;
f. Any failed control measures that need replacement;

g. Any incidents of noncompliance observed; and
h. Any additional control measures needed to comply with the permit requirements.

C. Maintenance.

The SWPPP shall include a description of procedures and a regular schedule for preventive maintenance of all control measures, and shall include a description of the back-up practices that are in place should a runoff event occur while a control measure is off-line. The effectiveness of nonstructural control measures shall also be maintained by appropriate means (e.g., spill response supplies available and personnel trained, etc.).

All control measures identified in the SWPPP shall be maintained in effective operating condition and shall be observed at least annually when a stormwater discharge is occurring to ensure that they are functioning correctly. Where discharge locations are inaccessible, nearby downstream locations shall be observed. The observations shall be documented in the SWPPP.

If routine facility inspections required by Part III B 5 identify control measures that are not operating effectively, repairs or maintenance shall be performed before the next anticipated storm event. If maintenance prior to the next anticipated storm event is not possible, maintenance shall be scheduled and accomplished as soon as practicable. In the interim, back-up measures shall be employed and documented in the SWPPP until repairs or maintenance is complete. Documentation shall be kept with the SWPPP of maintenance and repairs of control measures, including the dates of regular maintenance, dates of discovery of areas in need of repair or replacement, dates for repairs, dates that the control measures returned to full function, and the justification for any extended maintenance or repair schedules.

D. Nonstormwater discharges.

1. Discharges of certain sources of nonstormwater listed in Part I B 1 are allowable discharges under this permit. All other nonstormwater discharges are not authorized and shall be either eliminated or covered under a separate VPDES permit.
2. Annual outfall evaluation for unauthorized discharges.
   a. The SWPPP shall include documentation that all stormwater outfalls associated with industrial activity have been evaluated annually for the presence of unauthorized discharges. The documentation shall include:
      (1) The date of the evaluation;
      (2) A description of the evaluation criteria used;
      (3) A list of the outfalls or on-site drainage points that were directly observed during the evaluation;
      (4) A description of the results of the evaluation for the presence of unauthorized discharges; and
      (5) The actions taken to eliminate unauthorized discharges if any were identified.
   b. The permittee may request in writing to the department that the facility be allowed to conduct annual outfall evaluations at 20% of the outfalls. If approved, the permittee shall evaluate at least 20% of the facility outfalls each year on a rotating basis such that all facility outfalls will be evaluated during the period of coverage under this permit.

E. Signature and SWPPP review.

1. Signature and location. The SWPPP, including revisions to the SWPPP to document any corrective actions taken as required by Part I A 6, shall be signed in accordance with Part II K, dated, and retained on-site at the facility covered by this permit in accordance with Part II B 2. All other changes to the SWPPP, and other permit compliance documentation, shall be signed and dated by the person preparing the change or documentation. For inactive and unstaffed facilities, the plan may be kept at the nearest office of the permittee.
2. Availability. The permittee shall retain a copy of the current SWPPP required by this permit at the facility, and it shall be immediately available to the department, EPA, or the operator of an MS4 receiving discharges from the site at the time of an on-site inspection or upon request.
3. Required modifications. The permittee shall modify the SWPPP whenever necessary to address all corrective actions required by Part I A 6 a (Data exceeding benchmark concentration values) or Part I A 6 b (Corrective actions). Changes to the SWPPP shall be made in accordance with the corrective action deadlines in Part I A 6 a and Part I A 6 b, and shall be signed and dated in accordance with Part III E 1.

   The director may notify the permittee at any time that the SWPPP, control measures, or other components of the facility's stormwater program do not meet one or more of the requirements of this permit. The notification shall identify specific provisions of the permit that are not being met, and may include required modifications to the stormwater program, additional monitoring requirements, and special reporting requirements. The permittee shall make any required changes to the SWPPP within 60 days of receipt of such notification, unless permission for a later date is granted in writing by the director, and shall submit a written certification to the director that the requested changes have been made.

F. Maintaining an updated SWPPP.

1. The permittee shall review and amend the SWPPP as appropriate whenever:
   a. There is construction or a change in design, operation, or maintenance at the facility that has a significant effect on the discharge, or the potential for the discharge, of pollutants from the facility;
   b. Routine inspections or compliance evaluations determine that there are deficiencies in the control measures, including BMPs;
   c. Inspections by local, state, or federal officials determine that modifications to the SWPPP are necessary;
   d. There is a significant spill, leak, or other release at the facility;
   e. There is an unauthorized discharge from the facility; or
   f. The department notifies the permittee that a TMDL has been developed and applies to the permitted facility, consistent with Part I B.
2. SWPPP modifications shall be made within 60 calendar days after discovery, observation or event requiring a SWPPP modification. Implementation of new or modified control measures (distinct from regular preventive maintenance of existing control measures described in Part III C) shall be initiated before the next storm event if possible, but no later than 60 days after discovery, or as otherwise provided or approved by the director. The amount of time taken to modify a control measure or implement additional control measures shall be documented in the SWPPP.
3. If the SWPPP modification is based on a significant spill, leak, release, or unauthorized discharge, include a description and date of the incident, the circumstances leading to the incident, actions taken in response to the incident, and measures to prevent the recurrence of such releases. Unauthorized discharges are subject to the reporting requirements of Part II G of this permit.

# Part IV. Sector Specific Permit Requirements

The permittee must only comply with the additional requirements of Part IV (9VAC25-151-90 et seq.) that apply to the sectors of industrial activity located at the facility. These sector specific requirements are in addition to the requirements specified in Parts I, II and III of this permit. All numeric effluent limitations and benchmark monitoring concentration values reflect two significant digits, unless otherwise noted.

9VAC25-151-380. Sector AE – Facilities with no analytical benchmark monitoring requirements.

A. Discharges covered under this section. The requirements listed under this section apply to stormwater discharges associated with industrial activity from facilities with SIC Codes 2611, 2621, 2652-2657, 2833-2836, 2851, 2861-2869, 2891-2899, 3952, 3211, 3221, 3229, 3231, 3241, 3281, 3291-3299, 3331-3339, 3398, 3399, 3341, 1311, 1321, 1381-1389, 2911, 4512-4581, Treatment Works (TW), 2011-2015, 2032-2038, 2051-2053, 2061-2068, 2082-2087, 2091-2099, 2111-2141, 2211-2299, 2311-2399, 3131-3199, 2434, 2511-2599, 2711-2796, 3081-3089, 3931, 3942-3949, 3951-3955 (except 3952), 3961, 3965, 3991-3999, 3111, 3711-3799 (except 3731 and 3732 as identified in Sector Q), 3571-3579, 3612-3699, and 3812-3873.

B. No additional sector-specific requirements apply to this sector.

# APPENDIX L

## 2019 VPDES INDUSTRIAL STORMWATER GENERAL PERMIT REGISTRAITON STATEMENT

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# Virginia Pollutant Discharge Elimination System (VPDES)
# General Permit for Stormwater Discharges Associated with Industrial Activity (VAR05)
# Registration Statement

**(Please Type or Print All Information)**

**1. Facility Information:**

| | | | | |
|---|---|---|---|---|
| Facility Name: | Manassas Regional Airport | | | |
| Facility Mailing Address: | (street) 10600 Harry J Parrish Blvd | | | |
| | (city) Manassas | (state) VA | (zip) 20110 | (phone) 703-361-1882 |
| Facility Location (if different than mailing address): | (street or location) 10451 Wakeman Dr | | | |
| | (city) Manassas | (state) VA | (zip) 20110 | (phone) 703-361-1882 |
| Facility Local Contact: | (name) Jolene Berry | | (title) Sr. Airport Operations | |
| | (phone) 703-257-8279 | | (email) jberry@manassasva.gov | |

**2. Owner Information (the entity responsible for permit coverage):**

| | | | | |
|---|---|---|---|---|
| Owner Name: | Manassas Regional Airport | | | |
| Owner Mailing Address: | (street) 10600 Harry J Parrish Blvd | | | |
| | (city) Manassas | (state) VA | (zip) 20110 | (Phone) 703-361-1882 |
| Owner Contact: | (name) | | (title) | |
| | (phone) 703-361-1882 | | (email) | |

**3. Nature of the business conducted at the facility to be covered under this general permit:**

Manassas Regional Airport is a General Aviation Airport that hs over 400 based aircraft and a central fuel farm with 5 operators.

**4. Existing VPDES permits assigned to facility (permit numbers):**

| | | |
|---|---|---|
| VAR050985 | | |

**5. For a new facility, a facility previously covered by an expiring individual permit, or an existing facility not currently covered by a VPDES permit, has a Stormwater Pollution Prevention Plan (SWPPP) been prepared?**

**Yes** ☐ **No** ☐

**6. Does the facility discharge to a Municipal Separate Storm Sewer System (MS4)?**

**Yes** ☐ **No** ☑ **If yes, the facility owner must notify the owner of the MS4 of the existence of the discharge information at the time of registration under this permit and include that notification with this registration statement. The notice shall include the following information: the name of the facility, a contact person and telephone number, the location of the discharge, the nature of the discharge, and the facility's VPDES general permit number, if available.**

7. **Answer the questions below as they apply to the facility's discharges.**

a. **If the facility is a landfill (Sector L), indicate the type of landfill (i.e., MSWLF (municipal solid waste landfill), CDD (construction debris and demolition), or other), and which outfalls (if any) receive contaminated stormwater runoff.**

N/A

b. **If the facility is a timber products operation (Sector A), indicate which outfalls (if any) receive discharges from wet decking.**

N/A

c. **If the facility has coal storage piles, indicate any outfalls receiving discharges from coal storage piles.**

N/A

d. **If the facility manufactures asphalt paving and roofing materials (Sector D), indicate which outfalls (if any) receive discharges from areas where production of asphalt paving emulsions or roofing emulsions occur.**

N/A

e. **If the facility manufactures cement, indicate which outfalls (if any) receive discharges from material storage piles.**

N/A

f. **If a scrap recycling and waste recycling facility (Sector N – SIC 5093) only receives source-separated recyclable materials, indicate which outfalls (if any) receive discharges from this activity. List the metals (if any) that are received.**

N/A

g. **For primary airports, list the average deicing season and indicate which outfalls (if any) receive discharges from deicing of non-propeller aircraft, and the annual average departures of non-propeller aircraft.**

*It should be noted that airport facilities subject to the effluent limitation guidelines in 40 CFR Part 449 are not authorized under this general permit.*

November to March.

8. **List the following facility area information:**

a. **The total area of the facility in acres.**

889

b. **The total area of industrial activity of the facility in acres.**

99.76

c. **The total impervious surface area of the industrial activity of the facility in acres.**

24.21

9. **Attach a site map to the registration statement depicting the following:**

a. **The property boundaries.**

b. **All industrial activity outfalls labeled with unique numerical identification for each outfall.**

*Outfalls shall be numbered using a unique numerical identification code (numbers only, no letters) for each outfall. For example, Outfall Number 001, Outfall Number 002, etc.*

c. **All water bodies or MS4 conveyances, labeled with names if applicable, receiving stormwater discharges from the site.**

**10. a. Outfall Information (both tables 10. a & 10. b must be completed for each outfall):**

| Outfall Number | SIC Code (up to 4 per outfall) | | | | Discharge to MS4? (Yes/No) | MS4 System Name (if outfall discharges to MS4) | Receiving Stream |
|---|---|---|---|---|---|---|---|
| 001 | 4512-4581 | | | | No | | Cannon Branch |
| 002 | 4512-4581 | | | | No | | Cannon Branch |
| 003 | 4512-4581 | | | | No | | Cannon Branch |
| 004 | 4512-4581 | | | | No | | Cannon Branch |
| 005 | 4512-4581 | | | | No | | Cannon Branch |
| 006 | 4512-4581 | | | | No | | Cannon Branch |
| 007 | 4512-4581 | | | | No | | Broad Run |
| 008 | 4512-4581 | | | | No | | Broad Run |

**Identify up to four four-digit Standard Industrial Classification (SIC) Codes or 2-letter Industrial Activity Codes that best represent the principal products or services rendered by the facility and major co-located activities**

*The 2-letter Industrial Activity Codes are:* ***HZ*** *- hazardous waste treatment, storage, or disposal facilities;* ***LF*** *– landfills and disposal facilities that receive or have received any industrial wastes;* ***SE*** *- steam electric power generating facilities; or,* ***TW*** *- treatment works treating domestic sewage.*

**10. b. Outfall Information (complete table for each outfall listed in 10. a):**

| Outfall Number | Total Area of Industrial Activity Draining to Outfall (acres) | Impervious Area of Industrial Activity Draining to Outfall (acres) | Latitude | Longitude |
|---|---|---|---|---|
| 001 | 21.12 | 4.96 | 38 43' 53.06"N | 77 30' 48.19"W |
| 002 | 13.29 | 1.75 | 38 43' 41.19"N | 77 30' 42.04"W |
| 003 | 14.04 | 5.46 | 38 43' 33.87"N | 77 30' 36.83"W |
| 004 | 15.29 | .41 | 38 43' 28.14"N | 77 30' 32.81"W |
| 005 | 1.37 | .07 | 38 43' 26.50"N | 77 30' 31.76"W |
| 006 | 2.61 | 1.00 | 38 43' 55.15"N | 77 30' 47.44"W |
| 007 | 15.86 | 4.54 | 38 43' 02.30"N | 77 30' 58.59"W |
| 008 | 16.18 | 6.02 | 38 43' 18.39"N | 77 31' 15.66"W |

*Latitude and longitude information may be obtained from DEQ's Virginia Environmental Geographic Information System (VEGIS) at the following: https://www.deq.virginia.gov/ConnectWithDEQ/VEGIS.aspx*

**11. Is this a new facility that commenced construction after June 30, 2019, located in the Chesapeake Bay watershed, and applying for first time general permit coverage?**

**Yes** ☐ **No** ☑

**If yes, attach the required documentation.** (*See the registration statement instructions for additional information).*

**12. Provide the State Corporation Commission (SCC) entity identification number, if the owner is required to obtain an entity identification number by law. If not applicable to the owner, please indicate "NA" as your answer.**

**13. Electronic Transmittal of Permit Coverage:**

Indicate if DEQ may transmit the permit coverage documents electronically.

**Yes** ☑ **No** ☐

If Yes provide instructions: Email to jberry@manassasva.gov

**14. Certification:** "I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations."

| | | | |
|---|---|---|---|
| Print Name | Jolene K. Berry | Title: | Sr. Airport Operations |
| Signature: | Jolene K. Berry | Date: | 4/1/2019 |

# APPENDIX M

# CHESAPEAKE BAY TMDL CALCULATION SPREADSHEET AND WASTE LOAD ALLOCATION MONITORING REPORTS

**PAGE INTENTIONALLY LEFT BLANK**

| Chesapeake Bay TMDL Calculations | | |
|---|---|---|
| **Permit Number:** | VAR050985 | |
| **Impervious Surface Area of Industrial Activity (acres):** | 24.21 | Question 8 c from 2019 Registration Statement |
| **Total Area of Industrial Activity Area (acres):** | 99.76 | Question 8 b from 2019 Registration Statement |
| **Total Area of the Facility (acres):** | 889 | Question 8 a from 2019 Registration Statement |

| Site Specific Values | |
|---|---|
| Conversion Factor | 0.226 |
| Default Rainfall (inches/year) | 44.3 |
| Default Fraction Annual Events Producing Runoff | 0.9 |
| Ia (Impervious Fraction) | 0.242682438 |
| Pollutant of Concern | See Below |

| Allowable Permit Loading Rates (lb/ac/yr) | |
|---|---|
| **Total Suspended Solids (TSS)** | 440 |
| **Total Nitrogen (TN)** | 12.3 |
| **Total Phosphorus (TP)** | 1.5 |

**SAMPLING DATA**

| Pollutant of Concern | Average Concentration (mg/L) From Tabs |
|---|---|
| **Total Suspended Solids (TSS)** | 9.22 |
| **Total Nitrogen (TN)** | 1.03 |
| **Total Phosphorus (TP)** | 0.06 |

**RESULTS**

| Facility Loading Rates |
|---|
| Calculated Loading Rates From Tabs (lbs/ac/yr) |
| 22.289 |
| 2.502 |
| 0.136 |

**ACTION PLAN**

| Chesapeake Bay TMDL Action Plan Required (Yes/No) |
|---|
| No |
| No |
| No |

**Instructions:**

***Enter Data*** = Cells highlighted in yellow require you to enter information.
***Ia =*** The total impervious area of the industrial activity divided by the total industrial area of your facility. ***This value cannot be greater than 1***
**TSS** - Click on the Total Suspended Solids tab and follow the instructions.
**TN** - Click on the Total Nitrogen tab and follow the instructions.
**TP** - Click on the Total Phosphorus tab and follow the instructions.
***Action Plan*** = If the answer to this question is yes please reference Part I.B.8.f of your permit.

**VPDES INDUSTRIAL STORMWATER GENERAL PERMIT NO. VAR050985**
**MANASSAS REGIONAL AIRPORT, CITY OF MANASSAS, VIRGINIA**

| **Total Suspended Solids (TSS, mg/L):** Semi-Annual Monitoring Results | | | | | | |
|---|---|---|---|---|---|---|
| **Outfall Numbers** (see footnote 1 below) | **Total Area of Industrial Activity Draining to Outfall (acres)** (see footnote 1 below) | Sampling Periods | | | | |
| | | 1st (mg/L) | 2nd (mg/L) | 3rd (mg/L) | 4th (mg/L) | Weighted Average |
| **001** | **21.12** | 7.00 | 6.00 | 30.00 | | 3.03 |
| **002** | **13.29** | 4.00 | 5.00 | 4.00 | | 0.58 |
| **003** | **14.04** | 6.00 | 0.00 | 0.00 | | 0.28 |
| **004** | **15.29** | 4.00 | 2.00 | 4.00 | | 0.51 |
| **005** | **1.37** | 14.00 | 8.00 | 45.00 | | 0.31 |
| **006** | **2.61** | 24.00 | 9.00 | 28.00 | | 0.53 |
| **007** | **15.86** | 11.00 | 11.00 | 4.00 | | 1.38 |
| **008** | **16.18** | 25.00 | 12.00 | 11.00 | | 2.60 |
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| **Total Acres** | **99.76** | | | | | |
| | | **Average Total Suspended Solids (TSS) Concentration (mg/L)** | | | | **9.22** |

**Instructions:**
Only enter data into the cells that are highlighted yellow.
1. Enter all the facility outfall numbers, total area of industrial activity draining to outfall (acres) (from question number 10 b on the 2019 Registration Statement) and the four values reported on Discharge Monitoring Report (DMR) forms.
2. If your Certificate of Analysis has an effluent value less than the laboratory's quantification level (QL), then you shall enter half the quantification level in your calculations.

Example: For monitoring period one, you have a TSS value of <0.5 mg/L, your TSS concentration would be 0.25 mg/L.

**VPDES INDUSTRIAL STORMWATER GENERAL PERMIT NO. VAR050985**
**MANASSAS REGIONAL AIRPORT, CITY OF MANASSAS, VIRGINIA**

| **Total Nitrogen (TN, mg/L):** Semi-Annual Monitoring Results | | | | | | |
|---|---|---|---|---|---|---|
| **Outfall Numbers** (see footnote 1 below) | **Total Area of Industrial Activity Draining to Outfall (acres)** (see footnote 1 below) | Sampling Periods | | | | |
| | | 1st (mg/L) | 2nd (mg/L) | 3rd (mg/L) | 4th (mg/L) | Weighted Average |
| **001** | **21.12** | 0.47 | 2.11 | | | 0.27 |
| **002** | **13.29** | 0.62 | 2.00 | | | 0.17 |
| **003** | **14.04** | 0.75 | 0.00 | | | 0.05 |
| **004** | **15.29** | 0.71 | 1.52 | | | 0.17 |
| **005** | **1.37** | 0.55 | 2.14 | | | 0.02 |
| **006** | **2.61** | 0.72 | 1.35 | | | 0.03 |
| **007** | **15.86** | 0.59 | 0.70 | | | 0.10 |
| **008** | **16.18** | 1.24 | 1.42 | | | 0.22 |
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| **Total Acres** | **99.76** | | | | | |
| | | **Average Total Nitrogen (TN) Concentration (mg/L)** | | | | **1.03** |

**Instructions:**

Only enter data into the cells that are highlighted yellow.

1. Enter all the facility outfall numbers, total area of industrial activity draining to outfall (acres) (from question number 10 b on the 2019 Registration Statement) and the four values reported on Discharge Monitoring Report (DMR) forms.
2. Total Nitrogen is the sum of Total Kjeldahl Nitrogen (TKN) + Nitrate+Nitrite.
3. For total nitrogen, if none of the daily concentration data for the respective species (i.e., TKN, nitrate, or nitrite) are equal to or above the QL for the respective analytical methods used, the daily TN concentration value reported shall equal one half of the largest QL used for the respective species. If one of the data is equal to or above the QL, the daily TN concentration value shall be treated as that data point is reported. If more than one of the data is above the QL, the daily TN concentration value shall equal the sum of the data points as reported.

For example: TKN=<QL (QL=0.5 mg/L), Nitrate=<QL (QL=0.2 mg/L ), and Nitrite=<QL (QL=0.2 mg/L) - report 0.25 mg/L (1/2 of 0.5 mg/L)
For example: TKN=0.5 mg/L (QL=0.5 mg/L), Nitrate=<QL (QL=0.2 mg/L ), and Nitrite=<QL (QL=0.2 mg/L) - report 0.5 mg/L
For example: TKN=0.5 mg/L (QL=0.5 mg/L), Nitrate=0.3 mg/L (QL=0.2 mg/L ), and Nitrite=<QL (QL=0.2 mg/L) - report 0.8 mg/L

**VPDES INDUSTRIAL STORMWATER GENERAL PERMIT NO. VAR050985**
**MANASSAS REGIONAL AIRPORT, CITY OF MANASSAS, VIRGINIA**

| **Total Phosphorus (TP, mg/L):** Semi-Annual Monitoring Results | | | | | | |
|---|---|---|---|---|---|---|
| **Outfall Numbers** (see footnote 1 below) | **Total Area of Industrial Activity Draining to Outfall (acres)** (see footnote 1 below) | Sampling Periods | | | | |
| | | 1st (mg/L) | 2nd (mg/L) | 3rd (mg/L) | 4th (mg/L) | Weighted Average |
| **001** | **21.12** | 0.05 | 0.07 | | | 0.01 |
| **002** | **13.29** | 0.09 | 0.09 | | | 0.01 |
| **003** | **14.04** | 0.05 | 0.00 | | | 0.00 |
| **004** | **15.29** | 0.03 | 0.02 | | | 0.00 |
| **005** | **1.37** | 0.02 | 0.08 | | | 0.00 |
| **006** | **2.61** | 0.05 | 0.06 | | | 0.00 |
| **007** | **15.86** | 0.04 | 0.04 | | | 0.01 |
| **008** | **16.18** | 0.05 | 0.16 | | | 0.02 |
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| **Total Acres** | **99.76** | | | | | |
| | | **Average Total Phosphorus (TP) Concentration (mg/L)** | | | | **0.06** |

**Instructions:**

Only enter data into the cells that are highlighted yellow.

1. Enter all the facility outfall numbers, total area of industrial activity draining to outfall (acres) (from question number 10 b on the 2019 Registration Statement) and the four values reported on Discharge Monitoring Report (DMR) forms.
2. If your Certificate of Analysis has an effluent value less than the laboratory's quantification level (QL), then you shall enter half the quantification level in your calculations.

   Example: For monitoring period one, you have a TP value of <0.5 mg/L, your TP concentration would be 0.25 mg/L.
3. Total Acres is the sum of the acreage for all outfall drainage areas.

## MANASSAS REGIONAL AIRPORT OIL DISCHARGE CONTINGENCY PLAN RECORD OF REVISIONS

| Revision # | Date | Page# | Change/Revision | By |
|---|---|---|---|---|
| 1 | 09/01/99 | All | Revision of 6/1/95 ODC Plan | J. Lee |
| 2 | 02/05/02 | 2-15 & Appendix A through | Revision of 9/1/99 ODC Plan including updated contact numbers and facility description. | J. Lee |
| 3 | 12/18/02 | Revision page; 6-7 | Add Richard Hill, City of Manassas HAZMAT Officer to the spill notification list | J. Lee |
| 4 | 06/02/04 | 2-15 & Appendix F | Revision of Emergency Contact numbers throughout the document | J. Lee |
| 5 | 04/01/05 | All | Revision of entire document | J. Lee |
| 6 | 11/01/05 | All | Revision of entire document | Aegis Environmental |
| 7 | 3/20/05 | All | Revision of entire Document | J. Kralovetz |
| 8 | 1/10/08 | Pages 3-6, Appendix F | Update tenant's names and contact information. | J. Berry |
| 9 | 10/12/2009 | All | Update emergency numbers, added maps, tenant information | J. Berry |
| 10 | 3/17/2010 | All | Update tenant's names and contact information. | J. Berry |
| 11 | 11/17/2010 | All | Update entire document, tenant agreement signed | J. Berry |
| 12 | 7/5/2013 | All | Update entire document contact info | J.Berry |
| 13 | 9/147/2015 | All | Update entire document | J.Berry |
| 14 | 10/2/2018 | All | Update tenant's names and contact information. | J. Berry |
| 15 | 6/25/2019 | Pages 5,6 | Contacts and Tank Owners | J. Berry |

# INTRODUCTION

This Oil Discharge Contingency Plan (ODCP) is submitted by Manassas Regional Airport to meet the requirements of Article 11 of the State Water Control Law, Virginia Code § 62.1-44.34.15. The facility is regulated by provision 9 VAC 25-91-10 Facility and Aboveground Storage Tank (AST). This document is a revision of an original prepared by Campbell & Paris Engineers, of Chantilly, VA dated June 1, 1995 and has been updated throughout the years as indicated above. This current ODCP has been revised by Airport Staff and Manassas Regional Airport. The Manassas Regional Airport Central Fuel Farm is subject to ODCP requirements because it has an aggregate storage capacity of over 25,000 gallons of oil, per 9 VAC 25-91-20 (B) (B. 2).

This plan must be submitted to The Department of Environmental Quality, Water Division, Office of Spill Response and Remediation initially and resubmitted for approval at least every 60 months, not less than 90 days prior to the expiration, unless significant changes occur sooner. The Board must be notified of significant changes within 30 days of the occurrence.

Significant changes would include:

- change of Tenant Operator;
- increase in storage or handling capacity that would change the measures to limit the outflow of oil, response strategy or operational plan in the event of the worst case discharge;
- decrease in availability of personnel or equipment necessary to remove the worst case discharge and to mitigate or prevent a substantial threat of such a discharge;
- change in type of product dealt in, stored, or handled coved by the plan for which an SDS or equivalent was not submitted previously; and/or
- change in method of operation for the early detection of a discharge to groundwater.

This plan is to be updated upon the inclusion of additional storage tanks or fuel transfer equipment, and if requested by the Department of Environmental Quality, herein referred to as DEQ. Any changes resulting from a debriefing session after a major fuel spill are to be incorporated into this plan. A list of all holders of this plan is to be maintained by the Airport Director's Office and the Airport Director's Office is responsible for distributing all revised plans. As a minimum, this plan should be reevaluated every 2 years.

# 1.0 NAME OF FACILITY, LOCATION, AND ACCESS ROUTES

Manassas Regional Airport is located approximately 4 miles southwest of the City of Manassas. Access to the airport is gained via Gateway Blvd to Wakeman Drive, Route 28 to Piper Lane, Clover Hill to Harry J. Parrish Blvd. The City of Manassas also owns a Central Fuel Farm that is associated with the airport. The Central Fuel Farm is located at 10451 Wakeman Drive Manassas, VA 20110. A map and diagram of the Central Fuel Farm is located in Appendix C.

## 2.0 OPERATIONS

The Airport Director or their designee (hereafter referred to as the Airport Director's Office) is responsible for the operation of the Central Fuel Farm and for required notifications to local, state, and federal government agencies in the event of a fuel spill. The Manassas Regional Airport does not own any aviation fuel storage tanks at the facility, but does own two 550-gallon diesel tanks used for equipment fueling located within the diked enclosure of the Central Fuel Farm. The Airport Director's Office oversees the facility to ensure that it complies with environmental regulations and will also oversee containment and clean up in the event of a spill to ensure proper procedures are implemented and regulations are met. This Office will also conduct weekly inspections of the facility. These records are maintained on file for a minimum of 5 years at the Airport Director's Office.

All mechanical and fuel storage systems, with the exception of the two 550-gallon diesel refueling tanks, are wholly owned and operated by Airport Tenant Operators or their designee are hereafter referred to as the Tenant Operator . If a Tenant Operator's fueling operation is found to be unsafe, negligent, or contradictory to the ODCP, SPCC Plan, SWPP Plan, or accepted industry standards of practice, the Airport Director's Office has the authority to suspend the Tenant Operator's fueling operations until they are in compliance. The names, addresses and phone numbers of the personnel currently comprising the Airport Director's Office are:

Mr, Juan E. Rivera
Airport Director
Manassas Regional Airport
10600 Harry J Parrish Blvd
Manassas, VA 20110
(703) 361-1882 (Office)
(703) 794-9083 (Home) (Always leave message)
(571) 238-0520 (Cell)

Mrs. Jolene Berry
Airport Operations
Manassas Regional Airport
10600 Harry J Parrish Blvd
Manassas, VA 20110
(703) 361-5488 (Ops Hotline)
(703) 257-8279 (Office)
(571) 233-0230 (Cell)

*Office hours: Monday – Friday, 8:30 am - 5:00 pm*
***On-call: Weekends & after business hours, call the Operations Hotline at, 703-361-5488 and leave a message if someone doesn't answer.***

The Central Fuel Farm is to remain locked when not in use. Only personnel who have been properly trained by their employer should be allowed to use the facility. Each Tenant Operator should carefully inspect fuel transfer equipment before and during each use, and complete an inspection report. Line Managers or Supervisor should follow manufactures guidelines regarding the upkeep of their equipment. Each Tenant Operator shall keep a copy of the daily inspection report on file for a minimum of 5 years.
The Line Manager or Line Supervisor oversees the daily operation of each Tenant Operator's storage tanks and fueling operations. Each Tenant Operator shall retain the appropriate training records on file for inspection by the Airport Director's Office or VDEQ. These records shall be maintained for a minimum of 5 years.

The addresses of the Tenant Operators who have tanks in the Central Fuel Farm are as follows:

**Chantilly Air**
Attn: Jeff Windham
10761 James Payne Court
Manassas, VA 20110
(703) 361-8253

**MJ Colgan**
Attn: Mike Colgan
5418 Ancestry Court
Gainesville, VA 20155
(703) 369-0500 O

**FlightWorks**
Attn: Herman Ferguson
10791 James Payne Ct.
Manassas, VA 20110
(540) 522-9540 C

**APP Jet Center**
Attn: Quinn Redden
9998 Wakeman Drive
Manassas, VA 20110
(571) 762-6242 C

Tenant Operators are those entities that have written approval from the Airport to have tanks placed and operating within the Central Fuel Farm. It is the Tenant Operators' responsibility to keep the Airport Director's Office informed of any changes in contact information. Tenant Operators are also responsible for any third parties they have employed who may impact operations of the Central Fuel Farm.

## 3.0 FACILITY DESCRIPTION

At present, two Fixed Base Operators (FBOs), two aircraft charter companies and one property owner, own fuel storage tanks and fuel handling equipment at the Central Fuel Farm. One Tenant Operator utilizes two tanks (approximately 275 gals. each) for the storage of sump fuel. These tanks are labeled and contained within the dike wall. Several 55-gallon drums are also contained within the dike wall. There are nine above ground storage tanks, along with one 1000-gallon gasoline tank and two 550-gallon diesel tanks also located in the Central Fuel Farm. The tanks and their respective owners/operators are:

Tank 1 (12,000 gal JET-A): Owner: **Chantilly Air**
Tank 2 (20,000 gal JET-A): Owner: **APP Jet Center**
Tank 3 (15,000 gal AVGAS): Owner: **APP Jet Center**
Tank 5 (20,000 gal JET-A): Owner: **Chantilly Air**
Tank 6 (15,000 gal AVGAS): Owner: **Chantilly Air**
Tank 7 (20,000 gal JET-A): Owner: **FlightWorks, Inc.**
Tank 8 (15,000 gal AVGAS): Owner: **APP Jet Center**
Tank 9 (20,000 gal JET-A): Owner: **APP Jet Center**
Tank 10 (20,000 gal JET-A): Owner: **MJ Colgan**
Tank 11 (1,000 gal GASOLINE): Owner: **Chantilly Air**

The Central Fuel Farm is comprised of a concrete access road, secondary containment basin, dike enclosed storage tank area, a 400-gallon passive oil/water separator, and a series of drainage structures to control the release of storm water and to prevent the release of a spill. This includes a trench drain connection to the oil/water separator located outside of the containment berm. The outer edge of the concrete access road that surrounds the containment wall is the highest point of ground elevation in the facility and is sloped towards the oil/water separator at the back of the property. Appendix C contains site maps for the Central Fuel Farm. These maps show the size and location of the storage tanks, containment dike, secondary containment structures, pumps, equipment, and storm water and fuel spill collection piping.

Appendix B contains photographs of some of the tanks, drainage control structures, and other systems/structures at the Central Fuel Farm.

# 4.0 MATERIAL SAFETY DATA SHEETS

Material Safety Data Sheets (MSDS) for fuels and oils used at the facility are filed at the individual Tenant Operators and are included in Appendix G.

# 5.0 STORAGE TANK CAPACITIES

The individual storage tank capacities and the aggregate facility storage capacity are as follows:

| **TANK** | **PRODUCT** | **STORAGE CAPACITY (GALLONS)** |
|---|---|---|
| TANK #1 (Chantilly Air) | JET A | 12,000 |
| TANK #2 (APP Jet Center) | JET A | 20,000 |
| TANK #3 (APP Jet Center ) | AVGAS | 15,000 |
| TANK #5 (Chantilly Air) | JET A | 20,000 |
| TANK #6 (Chantilly Air) | AVGAS | 15,000 |
| TANK #7 (FlightWorks) | JET A | 20,000 |
| TANK #8 (APP Jet Center) | AVGAS | 15,000 |
| TANK #9 (APP Jet Center) | JET A | 20,000 |
| TANK #10 (MJ Colgan) | JETA | 20,000 |
| TANK #11 (Chantilly Air) | AUTO GAS | 1,000 |
| | **TOTAL STORAGE CAPACITY** | **158,000 GALLONS** |

# 6.0 SPILL NOTIFICATION

The Airport Director's Office is required to notify the local, state, and federal government agencies in the event of a fuel spill. If the person who discovers the spill is someone other than

the Airport Director's Office, they shall notify the first four agencies and persons on the phone list. The Airport Director's Office is open Monday through Friday, between the hours of 8:30am to 5:00pm. Airport personnel are on-call after hours and weekends. A spill notification phone list and checklist are located in Appendix F and should be used each time notifications are necessary.

## 7.0 INDIVIDUALS RESPONSIBLE FOR IMPLEMENTATION OF CONTAINMENT AND CLEAN-UP ACTIVITIES

If the person who discovers the spill is someone other than the Airport Director's Office, they shall notify the first four agencies and persons on the phone list located in Appendix F and that Tenant Operator is responsible for implementing any containment and clean-up activities. The Airport Director's Office will be responsible for overseeing these actions. The Airport Director's Office is required to notify the local, state, and federal government agencies in the event of a fuel spill. In the event a spill is discovered by the Airport Director's Office, the Airport will contact the Tenant Operators and coordinate emergency response and containment/cleanup operations. Airport personnel have the authority to mobilize the Atlantic Environmental Services (AES) emergency response team at their discretion. The addresses and 24-hour phone numbers of the persons presently comprising the Airport Director's Office are:

Mr. Juan E. Rivera
Airport Director
Manassas Regional Airport
10600 Harry J Parrish Blvd
Manassas, VA 20110
(703) 361-1882 (Office)
(703) 794-9083 (Home) (Always leave message)
(571) 238-0520 (Cell)

Mrs. Jolene Berry
Airport Operations
Manassas Regional Airport
10600 Harry J Parrish Blvd
Manassas, VA 20110
(703) 3 (Ops Hotline)
(703) 257-8279 (Office)
(571) 233-0230 (Cell)

## 8.0 INDIVIDUALS RESPONSIBLE FOR ENSURING COMPLIANCE DURING CONTAINMENT AND CLEAN-UP

Tenant Operators are responsible for ensuring compliance during any containment and clean-up activities. The Airport Director's Office will oversee that applicable federal, state, and local regulations are met by conducting inspections, meetings, and training of pertinent Airport personnel. Airport personnel have the authority to mobilize the AES emergency response team at their discretion. Airpoer personnel, Tenant Operators and their employees are responsible for ensuring compliance of the Virginia Pollutant Discharge Elimination System (VPDES) Industrial Stormwater General Permit, Registration # VAR050985

## 9.0 INDIVIDUALS AUTHORIZED TO IMPLEMENT CONTAINMENT AND CLEAN-UP

The Airport Director's Office is authorized to implement containment and clean-up activities. Tenant Operators are authorized to implement any containment and clean-up activities under the guidance of the Airport Director's Office. The Airport Director's Office will oversee that applicable federal, state, and local regulations are met by conducting inspections, meetings, and

training of pertinent Airport personnel. Refer to Appendix E for Tenant Operator's Emergency Spill Agreements.

# 10.0 EMERGENCY RESPONSE CONTRACTOR

In order to meet the requirement of having private personnel and equipment necessary to respond to a major spill at the facility, the Airport Director's Office has entered into an emergency response agreement with Atlantic Environmental Services (AES). AES has the qualified personnel and specialized equipment necessary to remove as much of the worst case discharge as possible. The contractor has agreed to respond to the site within one hour of being notified and is available 24 hours per day year round. Refer to Appendix E for AES qualifications and a copy of the response agreement.

Each Tenant Operator shall have under contract a company to provide emergency response, clean-up, and disposal services for minor spills. Tenant Operators shall keep the Airport Director's Office notified of any changes in contractor information. Agreements between individual Tenant Operators and their respective contractors are located in Appendix E.

# 11.0 WORST CASE DISCHAGRE SCENARIO

As stated in the National Fire Protection Association (NFPA) 30 standards Section 2-2.3.3 "Impounding around Tanks by Diking", the volumetric capacity of the dike area shall not be less than the greatest amount of liquid that can be released from the largest tank within the diked area. The capacity of the diked area enclosing more than one tank shall be calculated after deducting the volume of the tanks, other than the largest tank, below the height of the dike.

| | |
|---|---|
| Volume of Largest Tank: | =20,000 gallons |
| Area Within Dike Wall: | =156' x 49' |
| Volume of 2' high containment dike: | =156' x 49' x 2'=15,288 cu. ft.<br>=114,354 gallons |

**DEDUCTION DUE TO VOLUME OCCUPIED BY OTHER TANKS**

| | |
|---|---|
| Volume from concrete fuel tank supports: | =11' x 2.5' x 1.5' x18 = 742.5 cu. ft.<br>=5,554 gallons |
| Volume from tanks, drums, etc: | =6,849 gallons |
| Total Deduction | =12,403 gallons |

**DEDUCTION DUE TO VOLUME OF RAINFALL COLLECTED**

A Ten Year, 24 hour rain event = 6" (0.5') of rainfall

| | |
|---|---|
| Volume of rainfall contained within dike: | = 0.5' x 156' x 49'<br>=3822 cu ft<br>=28,588 gallons |

**TOTAL VOLUMETRIC CAPACITY OF DIKED AREA**

114,354 gallons – 12,403 gallons - 28,588 gallons = 73,363 gallons

9 VAC 25-91-170 defines a worst case discharge for a multiple container installation as the instantaneous release of 125% of the volume of the largest container under adverse weather conditions and with consideration of hydraulic pressure resulting from the discharge. The largest container within the Central Fuel Farm's containment structure is 20,000 gallons; therefore, the worst case discharge would be 125% of 20,000 or 25,000 gallons. The calculation prescribed by the VDEQ to estimate the amount of oil that may escape a secondary containment area due to hydraulic pressure during the worst case discharge is as follows: 25,000 X 22% = 5,500 gallons. This calculation accounts for a "slosh factor" of 22% the worst case discharge. Therefore, the volume of containment needed is 59,088 gallons (worst case discharge + slosh factor + rain event). The total volume of secondary containment provided is approximately 73,363 gallons, which is adequate to contain a worst case discharge.

If a spill were to occur outside the berm, such as during fuel transfer operations, the spill would flow into the trench drain and then the 400-gallon oil-water separator. Spill response materials are maintained at the Central Fuel Farm and would be utilized at the outflow point of the oil-water separator and the outer extent of the discharge. However, a trained Tenant Operator is always present when fuel is being transferred to close the sluice gate before the spill could escape the facility.

Potential spills from aircraft fueling or oil-changing activities at the Airport would be collected by oil drip pans and absorbent materials at these locations. If any oil should escape, it would be contained in one of eight oil-water separators located at the facility.

# 12.0 FACILITY CONTAINMENT STRUCTURES AND EQUIPMENT

Many structures and devices have been designed into the facility to contain a spill or leak when the Central Fuel Farm is unattended. Additionally, the Tenant Operators have spill response equipment available. The Tenant Operators complete daily checks at the Central Fuel Farm to ensure that their equipment is fully operational. A Central Fuel Farm site map is located in Appendix C, which denotes the location of all the containment equipment. An inventory of Central Fuel Farm containment structures and equipment appears in the table below and in Appendix B.

| NO. | DESCRIPTION | QUANTITY | PHOTO (APPENDIX B) |
|---|---|---|---|
| 1. | 2' high dike containment wall | 1 | A |
| 2. | Emergency stop switch | 4 | B |
| 3. | Dike drain post indicator valve | 1 | C |
| 4. | Sluice gate (emergency shut down valve) | 1 | D |

| | | | |
|---|---|---|---|
| 5. | Passive oil/water separator | 1 | E |
| 6. | Dead man fueling controls | 4 | F |
| 7. | Trench drain | 1 | G |
| 8. | Drop inlet inside containment dike | 1 | H |
| 9. | Portable fire extinguishers | 2 | I, J |
| 10. | Spill response kit containing various absorbent materials | 1 | K |
| 11. | Photograph of Facility | N/A | L |

# 13.0 NATURAL RESOURCES AT RISK

Through the use best management practices and compliance with the environmental regulations, there is very minimal risk to any natural resources. Cannon Branch Stream and the Broad Run tributary are the only surface waters and public/private drinking water supplies, (i.e. natural resources) at risk from an oil discharge at this facility. There are no risks to: groundwater, springs, state/federal wildlife management areas or refuges, sanctuaries, or to historic places or landmarks listed on the National Register. Broad Run is a principal feed (watershed of approximately 65 square miles) to the Occoquan Reservoir located in Prince William County. This reservoir is the major domestic water supply for Northern Virginia. There are two stations in the vicinity of the Airport (BRU007.58 and OCC024.74) that are monitored quarterly by VDEQ for state water quality standards.

This facility does not contain 1,000,000 gallons of oil and therefore is not subject to the Groundwater Characterization Study (GCS).

This facility does not have pipelines or capacity at or greater than 1,000,000 gallons storage.

# 14.0 MUNICIPAL AND OTHER SERVICES AT RISK

A ductile iron sanitary sewer manhole that is located 80 feet east of the edge of the Fuel Farm and is exposed to a slight risk that fuel might possibly enter the line. The manhole has a watertight cast iron manhole cover, so the risk of any fuel getting into the line is extremely negligible. Storm water runoff from the Fuel Farm flows into Cannon Branch Stream, a tributary of Broad Run. As indicated in Section 12.0, this tributary feeds into a reservoir that supplies water to Prince William County. In the event that a spill occurs in any of these areas, notifications should be made to the City of Manassas Safety Officer or the Prince William County Hazardous Materials Officer, as necessary (see Appendix E). A map of the Storm Water Drainage Outfall Points is located in Appendix C.

# 15.0 VESSEL'S MOORED AT FACILITY

Does not apply to Manassas Regional Airport Central Fuel Farm.

# 16.0 TRAINING, EQUIPMENT TESTING, PERIODIC UNANNOUNCED DISCHARGE DRILLS

Each Tenant Operator sponsors in-house training sessions for its employees on how to safely handle and transfer fuel. Training is conducted twice a year at the Central Fuel Farm by the Airport Director's Office. A copy of this ODCP should be kept with each Tenant Operator and each employee should be familiar with the contents of the plan. Personnel responsible for the operation and maintenance of equipment will be trained as well. Each Tenant Operator employee shall sign a form stating that he or she has read and understood the ODCP and attended training. A copy of these forms shall be kept on file by the individual Tenant Operator. Records pertaining to training provided to Airport employees will be retained at the Airport Director's Office for a minimum of 5 years.

Equipment testing is conducted by the Tenant Operators according to the frequencies listed in Appendix H. Daily and weekly visual inspections are also conducted by each Tenant Operator. A copy of the inspection checklist used by Tenant Operators is located in Appendix D. The Tenant Operators are responsible for correcting any deficiencies noted and maintaining all records for a minimum of 5 years.

Weekly inspections are also conducted by the Airport Director's Office to supplement and oversee those performed by the Tenant Operators. Periodic inspections of Tenant Operator records will be conducted by the Airport to ensure compliance with this ODCP.

As a minimum standard, equipment inspection and testing requirements for Tenant Operator are listed below:

## *16.1 PUMPS*

a) Check for leaks during each operation.

b) On a quarterly basis, lubricate all fittings, check fuel filters, check all piping connections, and inspect electrical connections and grounding.

c) Follow manufacturer's recommended maintenance schedule.

## *16.2 FILTER SEPARATORS*

a) During each operation of fueling equipment, check pressure gauges for differential pressure readings indicative of the need to replace filter elements. Check for leaks especially around inlet and outlet pipe connections. Ensure water drain valves in operation.

b) Follow manufacturers recommended maintenance schedule.

## *16.3 METERS*

a) During each use, check for proper operation. Replace as necessary.

## *16.4 TANKS*

a) Visual inspections of above ground storage tanks (AST's) are to be conducted during each usage to determine if any leakage is occurring. Look for signs of leakage such as stained or discolored concrete. Additionally, the Airport Director's Office will inspect tanks weekly for visible leaks.

## *16.5 VALVES*

a) During each usage, check valves for ease of use and proper operation.

b) On a weekly basis, check for evidence of wear; check all seals and fittings. Repair all chipped or rusted finishes.

## *16.6 FUEL PIPING*

a) During each operation, check for leakage especially around valves and fittings. Check with pumps on and pumps off.

b) On a six-month basis, inspect outside surface coating and refinish all chipped and worn areas.

## *16.7 TENDER LOADING HOSES, FITTINGS AND CONNECTIONS TANKER AND VAPOR RECOVERY HOSES, FITTINGS AND CONNECTIONS*

a) Before each usage, check hoses, fittings, and gaskets for evidence of wear and deterioration and replace as needed. Observe fittings during hookup for evidence of coupling leakage.

b) On a weekly basis, thoroughly inspect all hoses and replace if necessary. Inspect all gaskets and replace if necessary.

## *16.8 OIL/WATER SEPARATOR (Performed by the Airport Director's Office)*

a) Inspect the separator weekly to assess its general condition.

b) Monthly, determine the level of the fuel storage chamber by using a stick gauge. Make arrangements to have any fuel hauled off site by a hazardous waste carrier if it is full.

### *16.9 MONTHLY SAFETY CHECKS (Performed by Airport Director's Office)*

a) Test the emergency shut down switches and dead man control switches.

b) Check the dike drain post indicating valve and sluice gate valve in open and closed positions.

c) Check all tank and equipment grounding connections.

d) Inspect sliding access gates and emergency pedestrian gate for ease of operation and adjusted accordingly.

e) Inspect fuel tank overflow prevention devices.

Included in Appendix H are tables summarizing above ground storage tank training, equipment testing, and inspection requirements.

## 17.0 INVENTORY CONTROL AND TESTING FOR SIGNIFICANT VARIATIONS

All aboveground storage tanks located at the Central Fuel Farm are elevated on stilts and are therefore exempt from inventory control procedures.

## 18.0 DETECTION OF DISCHARGE TO GROUNDWATER

The current system for leak detection is by visual inspection. All fuel storage tanks have been installed on elevated mounting pedestals. All fuel handling equipment including pumps, transfer piping, hoses, valves and filter separators have been installed above ground. Each Tenant Operator shall perform a daily inspection and retain inspection records for a period of 5 years. (The Airport Director's Office will conduct at minimum, once a year inspection and maintain copies of this report for a period of at least five years.) The Airport will periodically inspect Tenant Operators' records to ensure compliance with this ODCP. Tenant Operators not in compliance with inspection requirements may be subject to a fine of up to $100 per day of noncompliance.

The Central Fuel Farm is situated primarily atop shale and sandstone deposits, which should be beneficial in protecting ground water from contamination due to spillage. No wells are located nearby.

## 19.0 SPILL RESPONSE PROCEDURES

The first procedure is to **STOP THE SPILLAGE AT THE SOURCE OF DISCHARGE** The action to be taken will depend upon the source of the spill. If the spill originates from the tanker truck pump, activate emergency stop switches on the truck or storage tank pump. There are four emergency stop switches at the facility. Activate the nearest emergency stop switch first. If fuel continues to discharge, activate all other emergency stop switches.

After stopping the source of the spill, all discharged fuel should be contained. Immediately close the sluice gate to prevent any spillage from escaping from the facility. Check the outflow pipe to ensure the gate is closed. Next, deploy and utilize spill response materials such as absorbent pillows, socks, and dry absorbent. All of these materials are located in the spill response equipment barrel which is depicted on the site map. As soon as the spill has been contained, contact 911. State that there has been a fuel spill at the Central Fuel Farm at Manassas Regional Airport.

All necessary measures will be taken to prevent ignition of the oil spill. No electrical equipment should be turned on. All running motor vehicles should be removed from the area. No motor of any kind will be started near spilled fuel. All open flames or heat sources should be immediately extinguished and removed from the area. It is imperative that the person who discovers the spill act immediately and decisively to:

1. **STOP THE SPILLAGE AT THE SOURCE OF DISCHARGE**
2. **CONTAIN THE POLLUTANT ALREADY SPILLED**
3. **CALL 911 AND COMPLETE THE SPILL NOTIFICATION CHECKLIST**
4. **RECOVER AS MUCH OF THE SPILLED POLLUTANT AS POSSIBLE.**
5. **CONDUCT A FINAL SPILL CLEANUP**
6. **DISPOSE OF WASTE IN A SAFE AND LEGAL MANNER**
7. **EVALUATE THE SPILL EVENT.**

The Airport Director's Office or Representative is authorized to implement containment and clean-up activities. Tenant Operators are authorized to implement any containment and clean-up activities under the guidance of the Airport Director's Office. The Airport Director's Office will oversee that applicable federal, state, and local regulations are met by conducting inspections, meetings, and training of pertinent Airport personnel. Airport personnel have the authority to mobilize the AES emergency response team at their discretion.

## *19.1 POST-SPILL TESTING*

After the facility has been shut down and the fuel discharge contained, the emergency response contractor will be notified for clean up and disposal of contaminated fuel and spill response supplies. Following removal of the contaminated fuel, the appropriate Tenant Operator shall locate and repair the source of the discharge. The Airport Director's Office will contact qualified operations and maintenance personnel to locate and make repairs if the discharge source is Airport property. If the source of fuel discharge is not readily identified, the following procedures will be implemented. A written report by the Airport Director's Office is to be distributed to the Virginia Department of Environmental Quality (VDEQ). This record is to list the source of the fuel discharge, procedures used in locating the source of the spillage, the response time, and the corrective action and testing used. The Airport Director's Office will arrange a de-briefing meeting and will determine when operations can commence again at the Central Fuel Farm. Additional testing of closest outfall(s) may be required to insure no contamination is getting into a waterway.

### 19.1.1 VISUAL INSPECTION

1) Ensure that all control valves were in the proper operating position if the discharge occurred during the transferring of fuel.

2) Visually inspect all tanks for leakage, deterioration and possible overfill of fuel.
3) Inspect all pumps and filters for visual indications of leakage and wear.
4) Visually inspect all valves, piping, hoses, connections and fittings.

### 19.1.2 EQUIPMENT TESTING

The final phase of leak detection testing is to check for leakage during the fuel transfer operation. This testing is to be performed by qualified personnel in accordance with appropriate engineering standards and using all precautions. The system is to be immediately shut down once the source of the leak is identified. Ample amounts of absorbent materials shall be on hand.

Under no circumstances is the sluice gate and dike drain indicating valves to be open until the source of the discharge is located and remedied. After the source of discharge is located and equipment has been repaired, tanks and piping should be inspected in case of any collateral damage sustained during fuel spill cleanup. Repairs will be completed on the damaged source following API standards 570 9VAC 25/91/130V, and inspected by a certified inspector before it is operational again.

## 20.0 FACILITY PREVENTIVE MAINTENANCE PROCEDURES

Tenant Operator shall insure that only trained personnel are permitted to use the facility. Each Tenant Operator shall perform a thorough inspection of all fuel storage and handling equipment prior to and during each use. Areas that are inspected within each transfer unit are hoses, pipes, evidence of leakage or spills on the ground or tanks, valves, gauges and dike. Fuel trucks are also inspected prior to a fuel transfer. Areas of inspection on fuel trucks are hoses, gauges, deadman controller, couplings, and spill response. Each transfer system shall operate between 35 to 45 psi. Daily inspection reports shall be completed as indicated in Appendix D by each Tenant Operator. Each operator uses ATA Inspection Form 103.01 or variations of the same. These forms contain areas for daily, monthly and annual inspections of the fuel farm facilities. Thorough inspections should include:

A check of all pumps, filters, meters, tanks, valves, and piping, hoses and fittings that fall under the ownership of a particular operator. The Airport Director's Office conducts weekly inspections of the general condition of the fuel farm facility and retains all records for five years.

Each operator should forward a copy of his or her respective ATA Inspection Form 103.01 when the monthly and/or annual inspection portion of the form is completed. Records of daily inspections and fuel transfers are required to be on file at each Tenant Operator's facility for a minimum period of five years. These records are subject to review by the Airport Director's Office at any time.

## 21.0 SECURITY PROCEDURES

The Central Fuel Farm, readily observable from Wakeman Drive, is enclosed by a six-foot high security fence topped with barbed wire. All access gates remain locked except during fuel transfer and inspections. The south access gate is motorized and controlled by an access card system, which the Airport Director's Office and individual fueling Tenant Operators have keys and cards. An emergency gate is located on the east end of the Central Fuel Farm fence. Adequate lighting is provided to illuminate the Central Fuel Farm during periods of darkness. A security guard is present at the airport between the hours of 9pm to 7am. During this time the guard is patrolling the airport to include the Central Fuel Farm.

# 22.0 POST SPILL REVIEW

In the event of a major fuel spill, Tenant Operators shall immediately notify the Airport Director's Office and submit a written report within 48-hours detailing the incident. The Airport Director's Office maintains an incident log and will arrange a post spill review session to be attended by representatives from each Tenant Operator and the principals involved in the spill. The staff of the VDEQ will also be notified so they may attend. The source of the leak or fuel spill will be discussed along with the response time, and the procedures used to shut down the facility and used to contain the spill. The ODCP will be discussed and reviewed for effectiveness and updated if necessary. Minutes of the post spill review meeting will be taken and maintained as permanent records by the Airport Director's Office.

## Appendix A

### *Emergency Instructions*

## EMERGENCY INSTRUCTIONS

Upon discovering a spill of fuel, the person discovering the spill must take immediate and decisive actions to:

1. **STOP THE SPILL AT ITS SOURCE**

   Detect and isolate the source of spillage by activating the emergency shut off switch, shutting down all pumps, and closing any necessary valves.

2. **CONTAIN THE SPILLED MATERIAL**

   Utilize any readily available airport and tenant personnel, equipment, and material at the site to undertake immediate containment actions to confine the spilled pollutant as quickly as possible and in as small an area as possible. If necessary, dig trenches or other expedient structures to isolate and contain the spill.

3. **NOTIFY EMERGENCY OFFICIALS**

   For any spill posing a potential threat to public health and safety, it is important to follow the spill notification checklist contained within the body of the O.D.C. Plan. Failure to report a serious spill to the proper authorities may result in a fine and/or imprisonment of any individual having knowledge of the spill, but failing to report it.

## Appendix B

***Photographs of the Facility***

## PHOTOGRAPHS OF THE FACILITY

| NO. | DESCRIPTION | QUANTITY | PHOTO |
|---|---|---|---|
| 1. | 2' high dike containment wall | 1 | A |
| 2. | Emergency stop switch | 4 | B |
| 3. | Dike drain post indicator valve | 1 | C |
| 4. | Sluice gate (emergency shut down valve) | 1 | D |
| 5. | Passive oil/water separator | 1 | E |
| 6. | Dead man fueling controls | 4 | F |
| 7. | Trench drain | 1 | G |
| 8. | Drop inlet inside containment dike | 1 | H |
| 9. | Portable fire extinguishers | 2 | I, J |
| 10. | Spill response kit containing various absorbent materials | 1 | K |
| 11. | Photograph of Facility | N/A | L |



A. 2' HIGH DIKE CONTAINMENT WALL




B. EMERGENCY STOP SWITCH



C. DIKE DRAIN POST INDICATOR VALVE



D. SLUICE GATE (EMERGENCY SHUT DOWN VALVE)



E. PASSIVE OIL/WATER SEPARATOR



F. DEAD MAN FUELING CONTROLS



G. TRENCH DRAIN



H. DROP INLET INSIDE CONTAINMENT DIKE



I. PORTABLE FIRE EXTINGUISHER



J. PORTABLE FIRE EXTINGUISHER



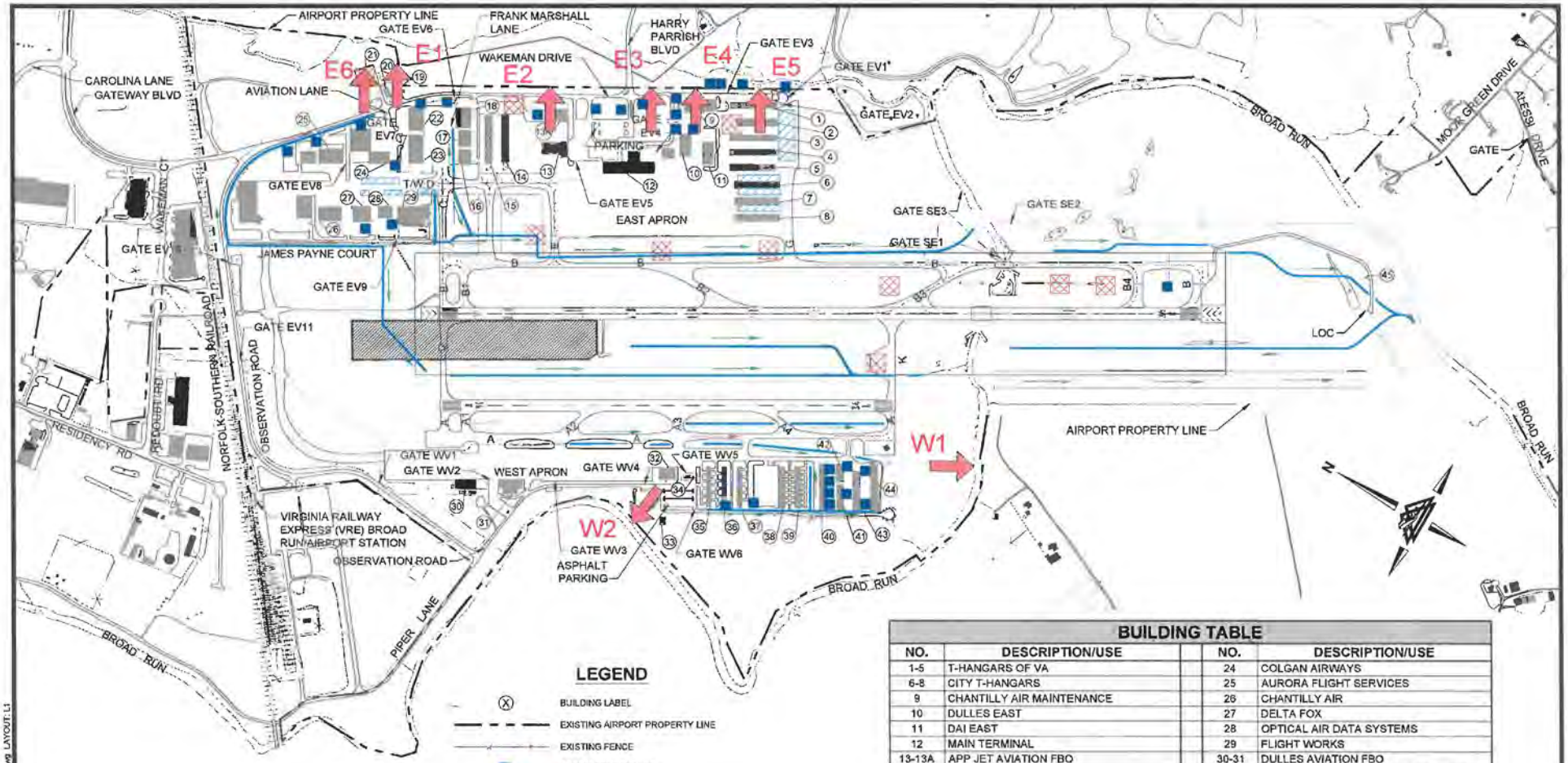

K. SPILL RESPONSE KIT CONTAINING VARIOUS ABSORBANT MATERIALS



L. PHOTOGRAPH OF FACILITY

## Appendix C

### *Facility Maps and Diagrams*




## BUILDING TABLE

| NO. | DESCRIPTION/USE | NO. | DESCRIPTION/USE |
|---|---|---|---|
| 1-5 | T-HANGARS OF VA | 24 | COLGAN AIRWAYS |
| 6-8 | CITY T-HANGARS | 25 | AURORA FLIGHT SERVICES |
| 9 | CHANTILLY AIR MAINTENANCE | 26 | CHANTILLY AIR |
| 10 | DULLES EAST | 27 | DELTA FOX |
| 11 | DAI EAST | 28 | OPTICAL AIR DATA SYSTEMS |
| 12 | MAIN TERMINAL | 29 | FLIGHT WORKS |
| 13-13A | APP JET AVIATION FBO | 30-31 | DULLES AVIATION FBO |
| 14-15 | APP JET T-HANGARS | 32 | AURORA WEST/MANASSAS AVIATION |
| 16 | AEROSOLUTIONS | 33 | AIRPORT RENTAL PROPERTY |
| 17 | AIRCARE | 34 | ATCT |
| 18 | METROPOLITAN AVIATION | 35 | EAA CHAPTER |
| 19 | ROTATING BEACON | 36-37 | T-HANGARS OF VA |
| 20 | ELECTRICAL VAULT | 38-39 | CITY T-HANGARS |
| 21 | FUEL FARM | 40-44 | CONDO HANGARS |
| 22 | CAPITAL AVIATION | 45 | LOCALIZER SHED |
| 23 | AEROGRAPHICS | 46A-46B | APP JET CORPORATE HANGARS |

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# SWPPP/SPCC FACILITIES MAP
## MANASSAS REGIONAL AIRPORT

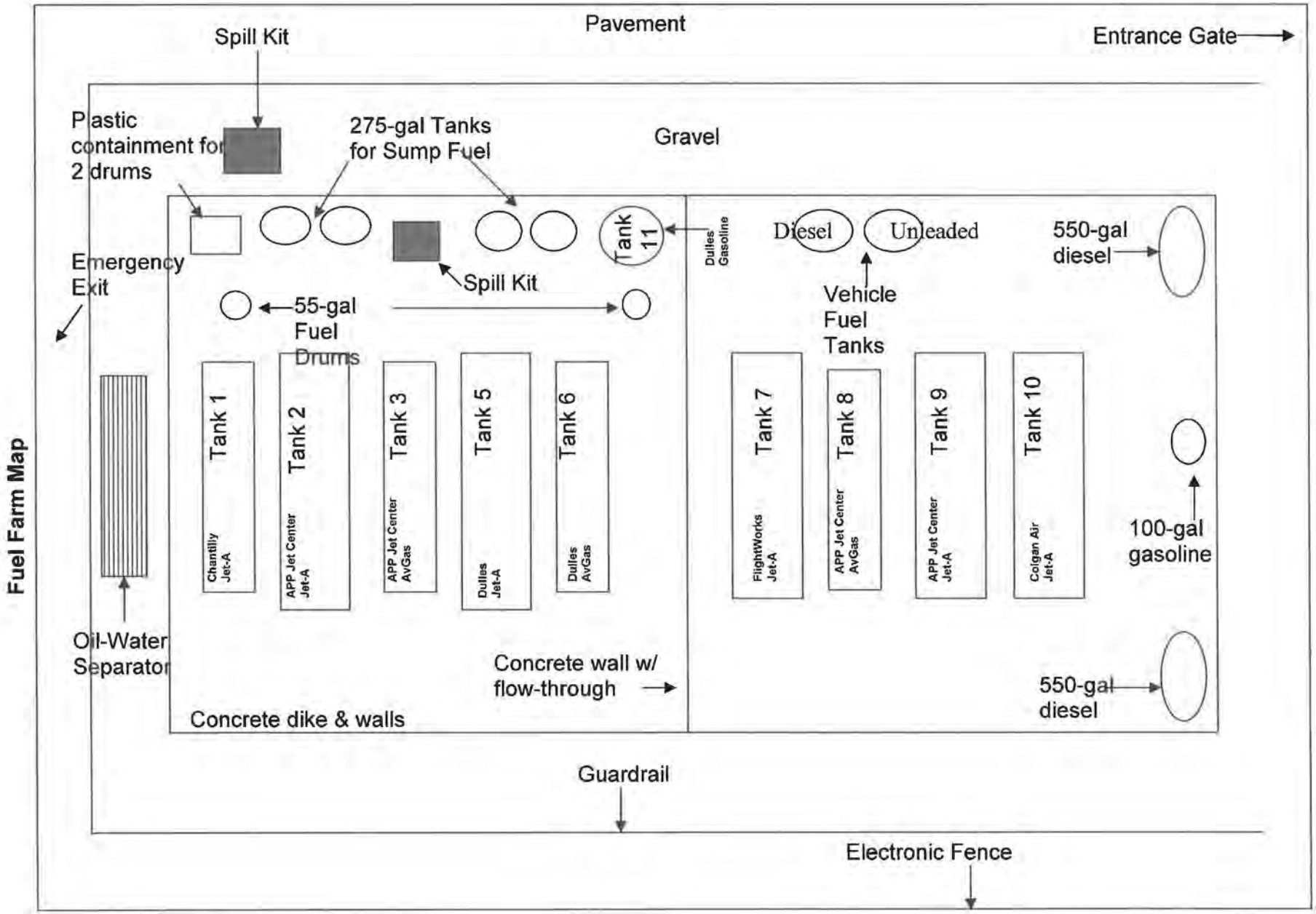
| DRAWN BY: | MJH | CHECKED BY: | JCL | SCALE: | 1" = 800' | DATE: | AUGUST 2014 |
|---|---|---|---|---|---|---|---|

EXHIBIT
C-1

N:\11018\04 CAD\Exhibits\11018 - exh - Storm sewer system map (color).dwg, L1, 10/6/2015 2:17:45 PM, mm

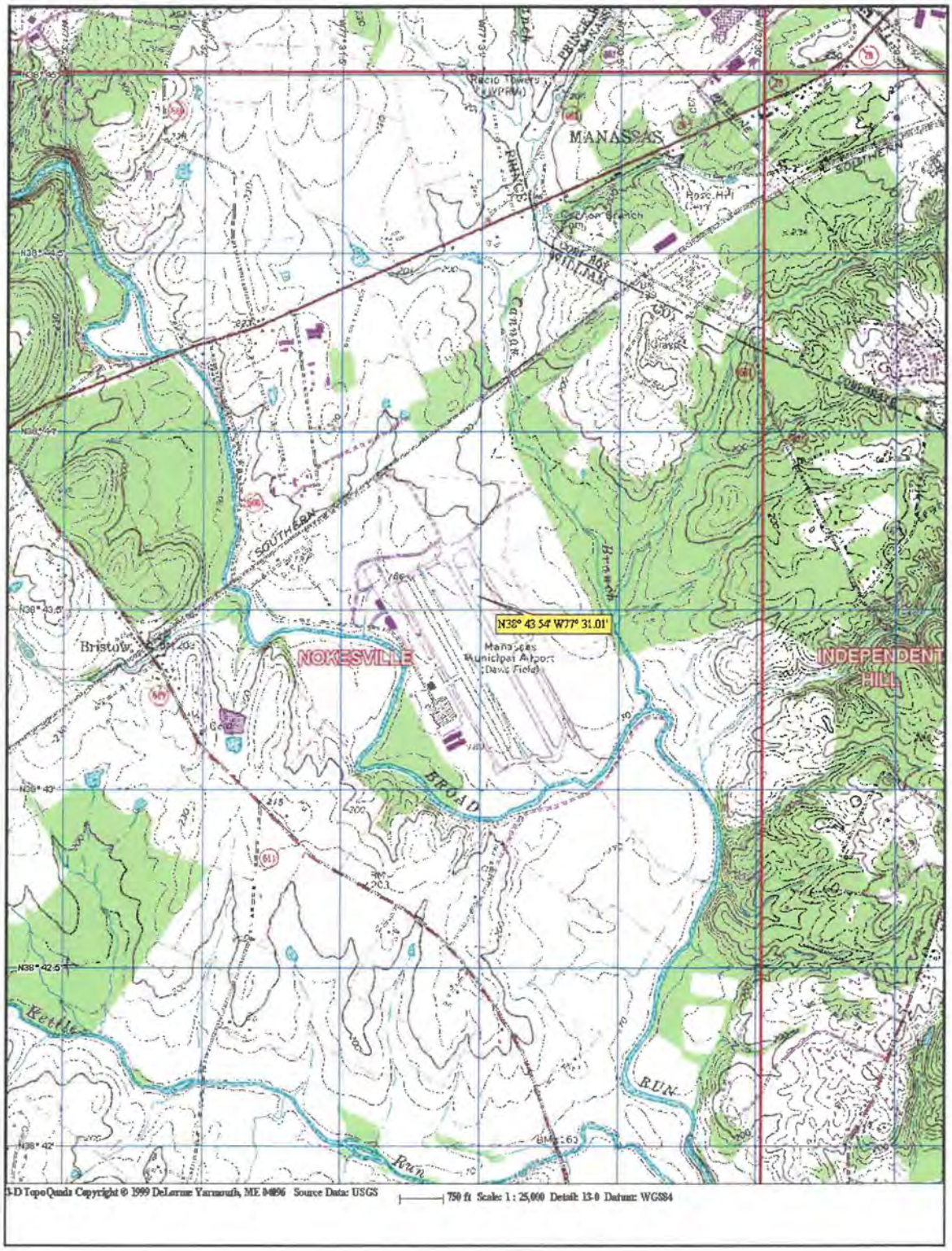
DRAWING 11018 - exh - Storm sewer system map (color).dwg, LAYOUT: L1


Fuel Farm
Manassas Regional Airport
1994
Imagery Date: 4/11/2015 38°43'21.70" N 77°31'06.13" W
179 ft

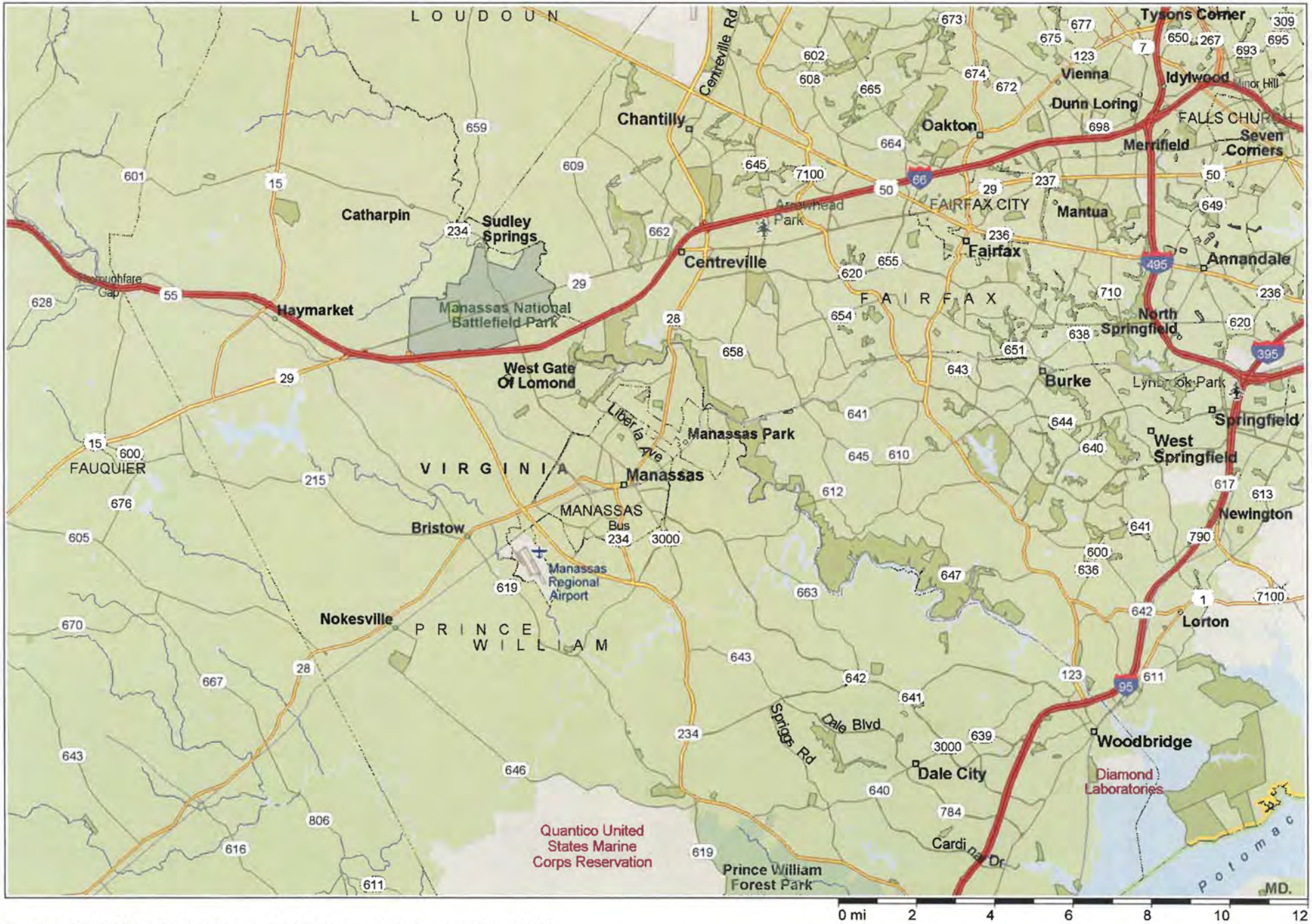

Fuel Farm Map
Spill Kit
Pavement
Entrance Gate
Plastic containment for 2 drums
275-gal Tanks for Sump Fuel
Gravel
Emergency Exit
Tank 11
Dulles Gasoline
Diesel
Unleaded
550-gal diesel
Spill Kit
55-gal Fuel Drums
Vehicle Fuel Tanks
Tank 1
Chantilly Jet-A
Tank 2
APP Jet Center Jet-A
Tank 3
APP Jet Center AvGas
Tank 5
Dulles Jet-A
Tank 6
Dulles AvGas
Tank 7
FlightWorks Jet-A
Tank 8
APP Jet Center AvGas
Tank 9
APP Jet Center Jet-A
Tank 10
Colgan Air Jet-A
100-gal gasoline
Oil-Water Separator
Concrete wall w/ flow-through
550-gal diesel
Concrete dike & walls
Guardrail
Electronic Fence

Appendix C

**Topographical Map of Manassas Regional Airport Site**

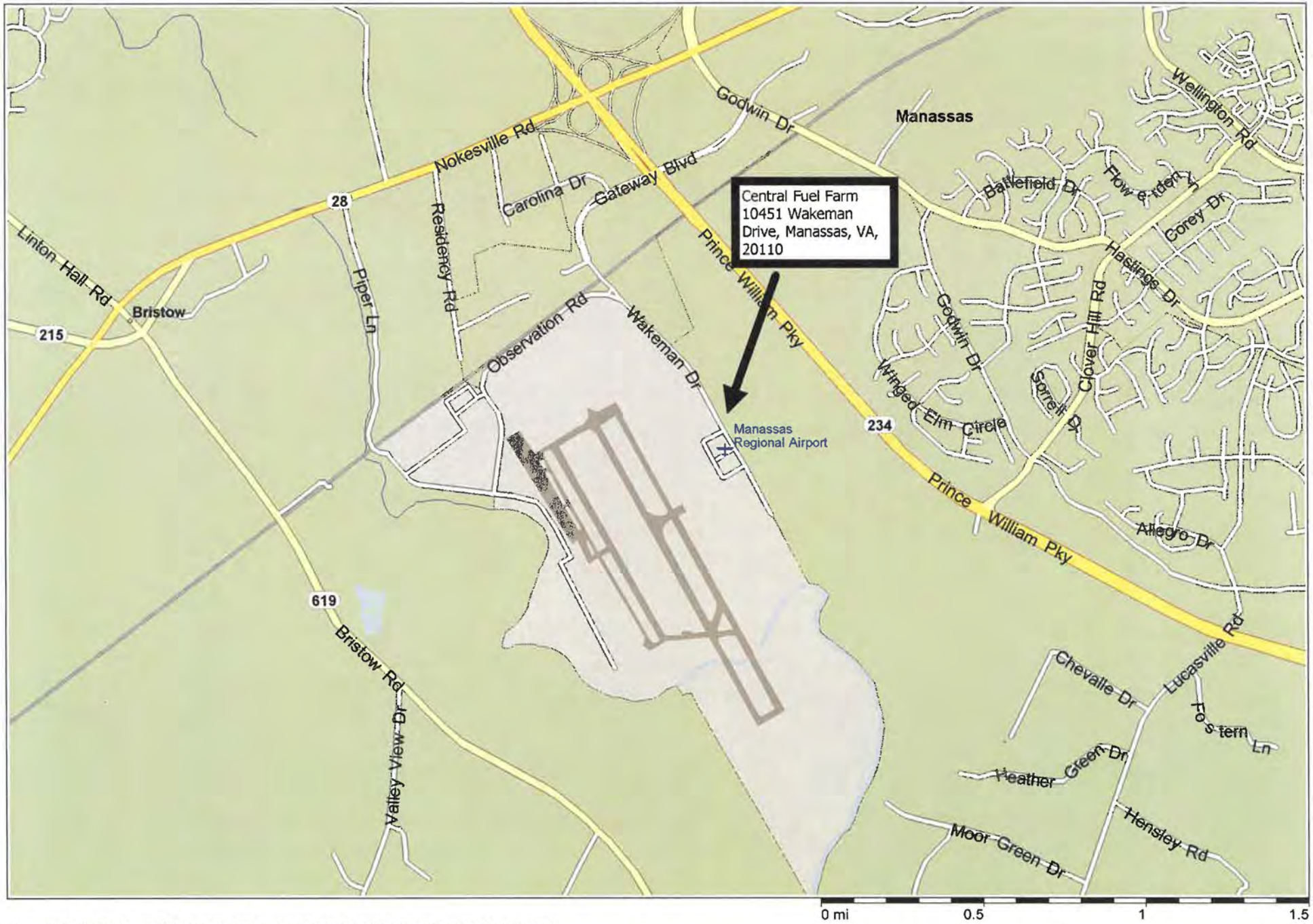


# HEF Terrain Map

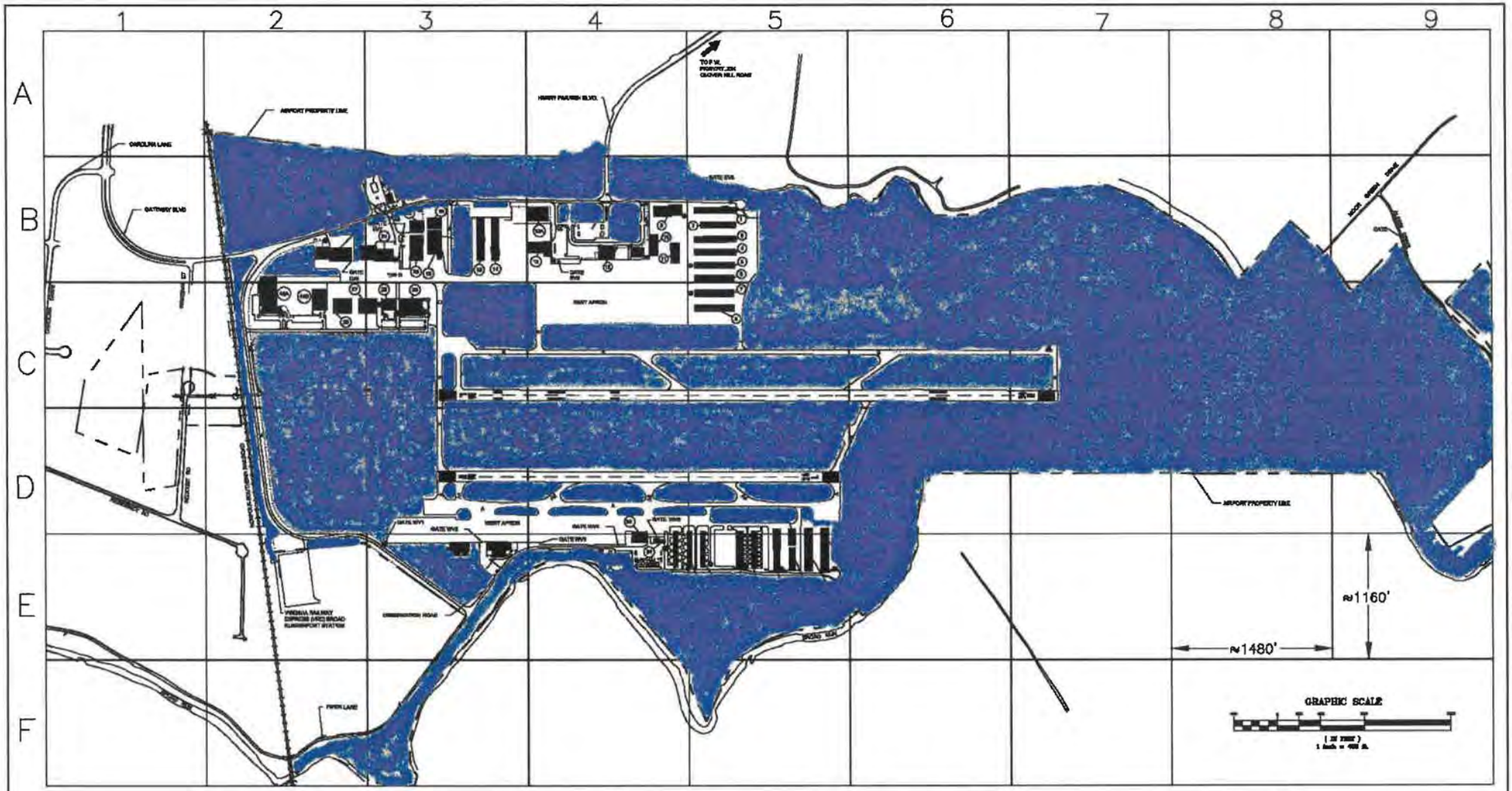


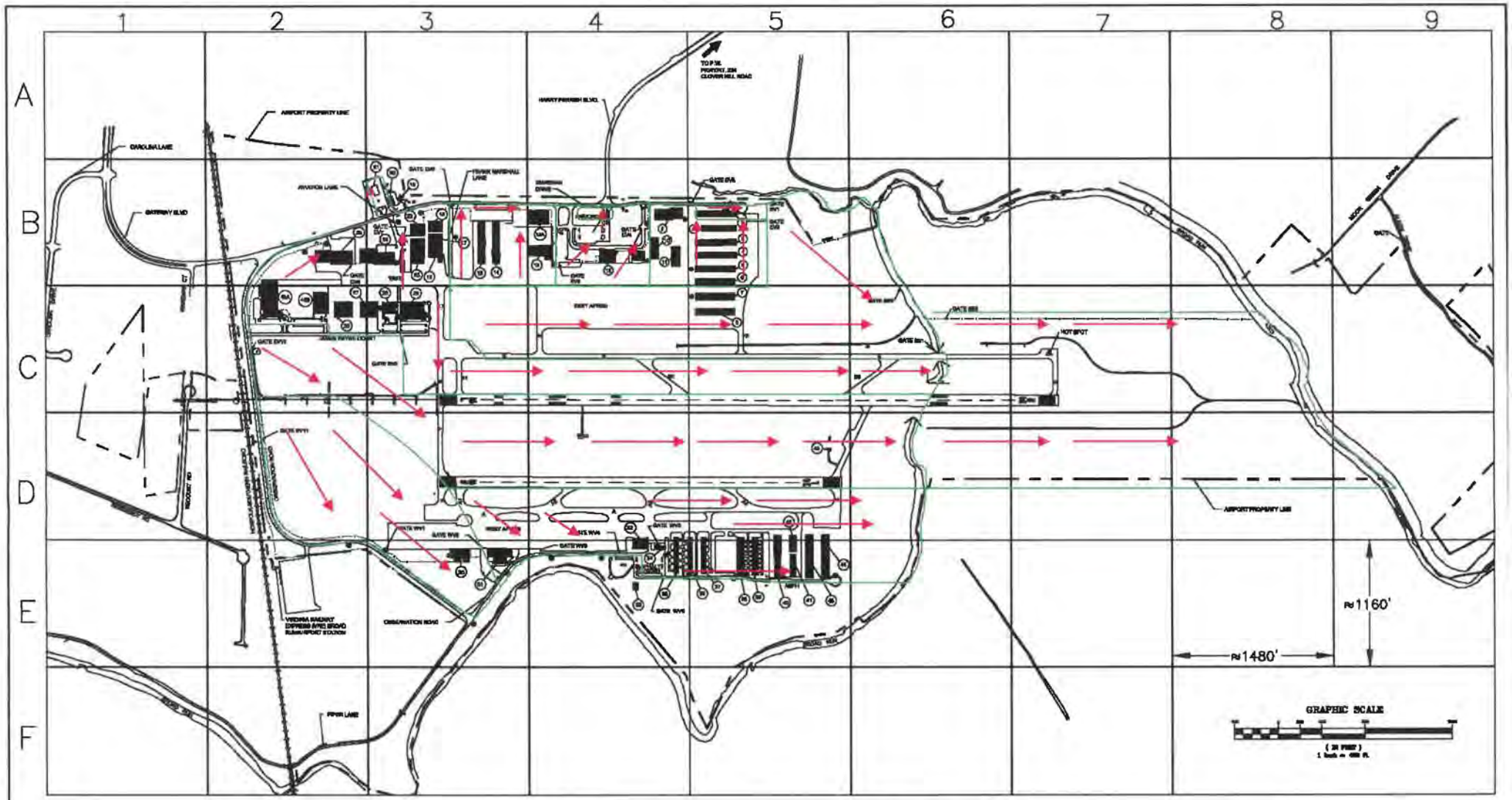

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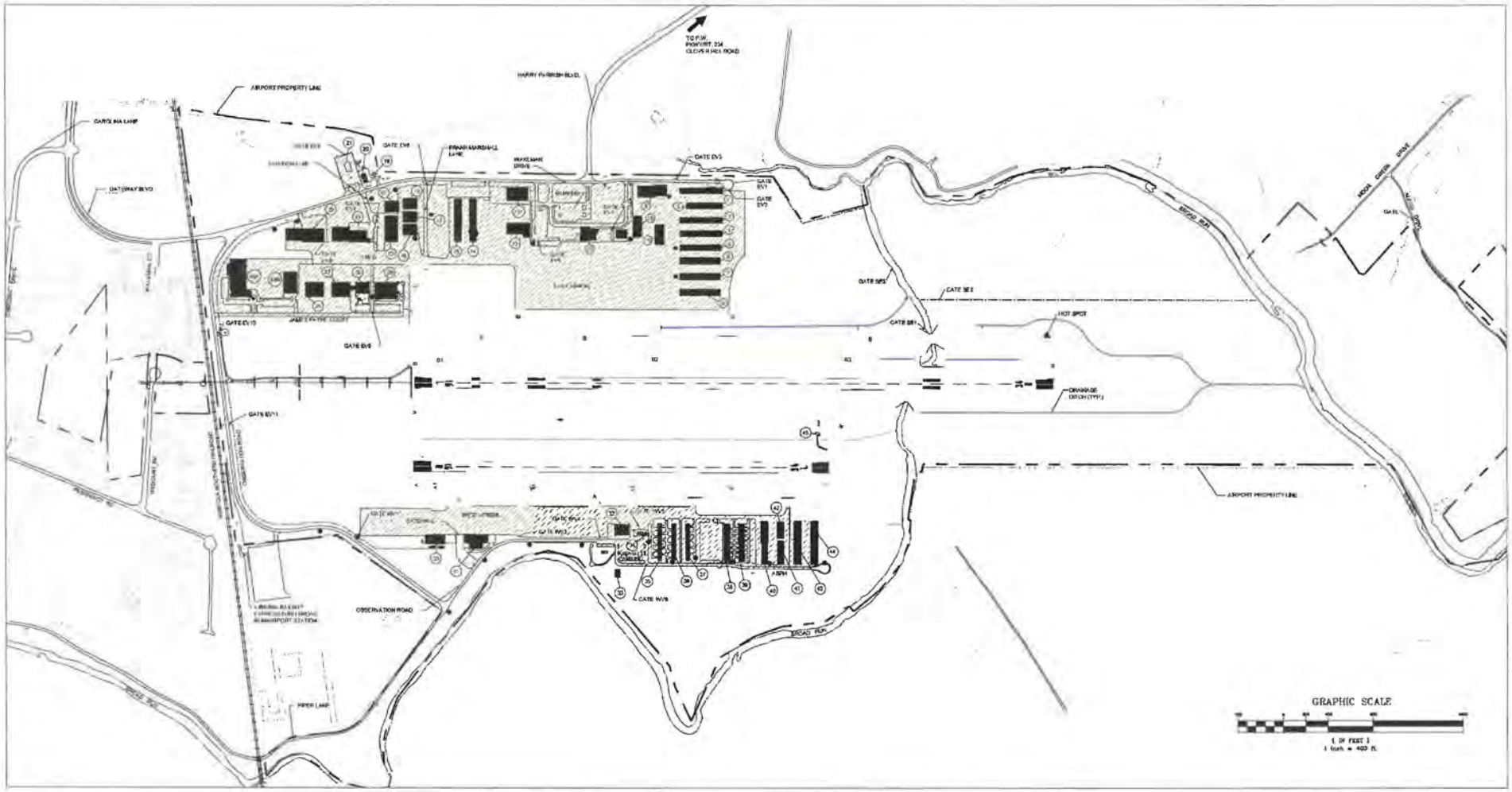
# FF Address and Location




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1
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A
B
C
D
E
F
AIRPORT PROPERTY LINE
CAROLINA LANE
GATEWAY BLVD
HARRY PARRISH BLVD.
TOP W. PROPERTY LINE CRAVEN HILL ROAD
GATE 5
GATE 6
GATE 7
GATE 8
GATE 9
GATE 10
GATE 11
GATE 12
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GATE 14
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GATE 16
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GATE 66
GATE


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AIRPORT PROPERTY LINE
CAROLINA LANE
GATEWAY BLVD
AVIATION LANE
HARRY PARRISH BLVD.
TRUMAN MARSHALL LANE
GATE EW4
GATE EW5
GATE EW6
GATE EW7
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GATE EW14
GATE EW15
GATE EW16
GATE EW17
GATE EW18
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GATE EW20
GATE EW21
GATE EW22
GATE EW23
GATE




TOTAL ACREAGE=692 ACRE

| LEGEND | |
|---|---|
| FIRE HYDRANTS | ● |
| AIRPORT BUILDINGS | ■ |
| EAST VEHICLE GATES | EV |
| WEST VEHICLE GATES | WV |
| AIRPORT PROPERTY LINE | — — — |
| AIRPORT FENCE | |
| POTENTIAL POLLUTANT SOURCE* | |

*

## BUILDING TABLE

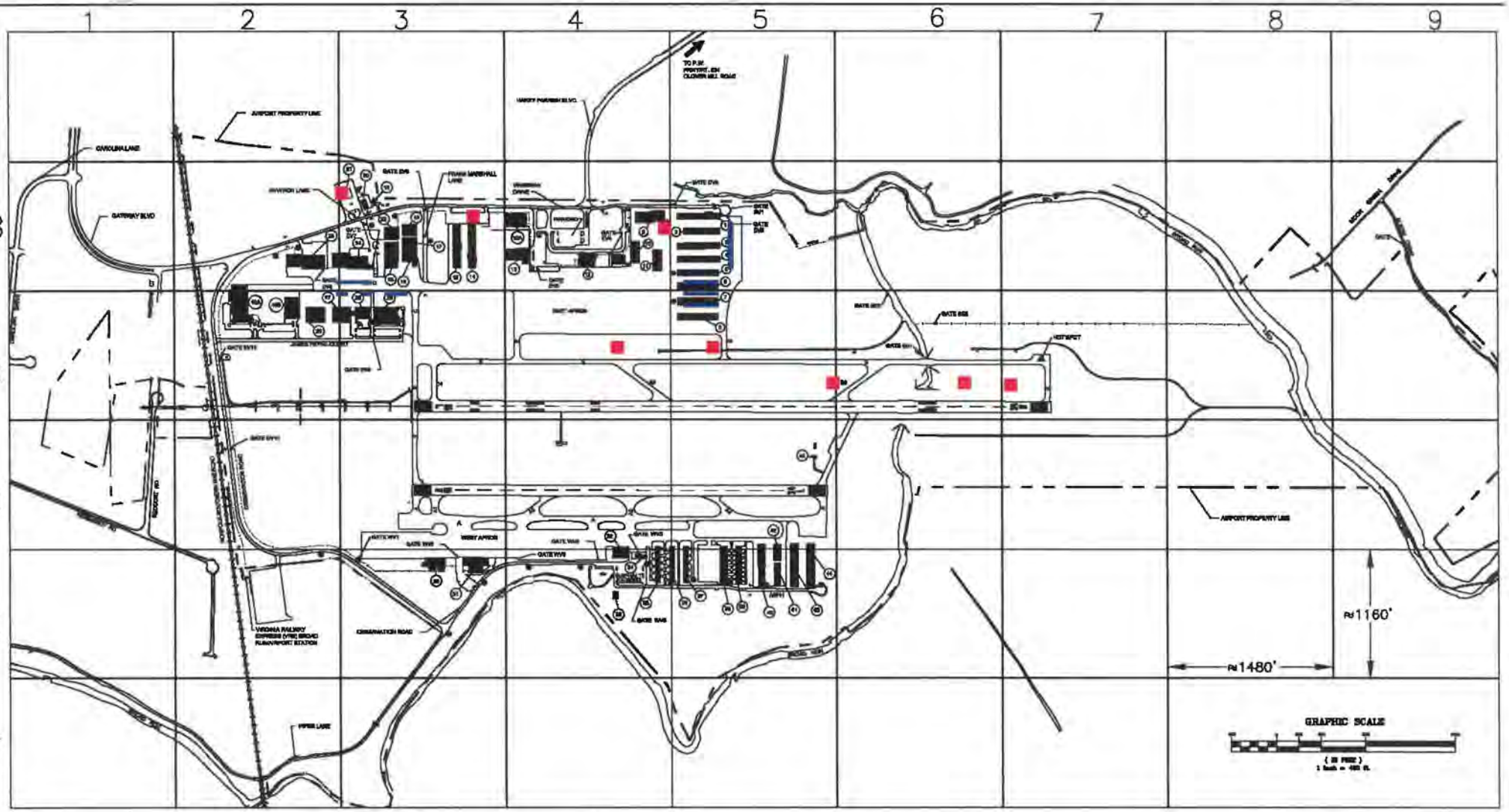
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|---|---|---|---|---|---|
| 1-5 | T-HANGARS OF VA | 19 | ROTATING BEACON | 30-31 | DULLES AVIATION FBO |
| 6-8 | CITY T-HANGARS | 20 | ELECTRICAL VAULT | 32 | AURORA WEST/MANASSAS AVIATION |
| 9 | CHANTILLY AIR MAINTENANCE | 21 | FUEL FARM | 33 | AVIATION INSTITUTE OF MAINTENANCE |
| 10 | DULLES EAST | 22 | CAPITAL AVIATION | 34 | ATCT |
| 11 | DAI EAST | 23 | AEROGRAPHICS | 35 | EAA CHAPTER |
| 12 | MAIN TERMINAL | 24 | COLGAN AIRWAYS | 36-37 | T-HANGARS OF VA |
| 13-13A | VOLO AVIATION FBO | 25 | AURORA FLIGHT SERVICES | 38-39 | CITY T-HANGARS |
| 14-15 | VOLO T-HANGARS | 26 | CHANTILLY AIR | 40-44 | CONDO HANGARS |
| 16 | AEROSOLUTIONS | 27 | DELTA FOX | 45 | LOCALIZER SHED |
| 17 | AIRCARE | 28 | OPTICAL AIR DATA SYSTEMS | 46A-46B | VOLO CORPORATE HANGARS |
| 18 | METROPOLITAN AVIATION | 29 | FLIGHT WORKS | | |

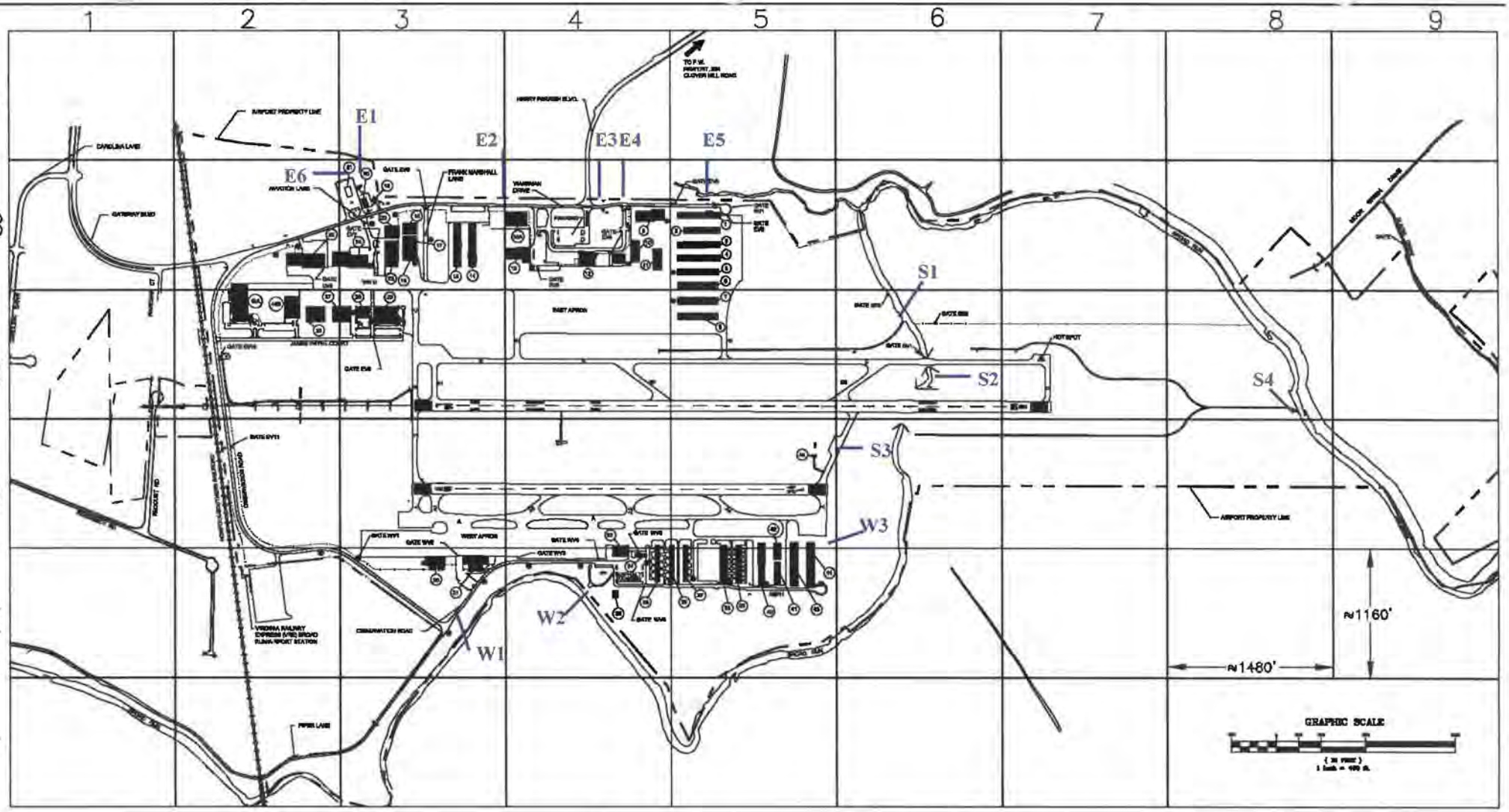
DATE OCTOBER 6, 2009

SHEET TITLE

EMERGENCY PLAN DRAWING

T:\Manassas Regional Airport\mapping drawings\Emergency Site Plan_rev2009-10-06.dwg


1
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A
B
C
D
E
F
AIRPORT PROPERTY LINE
GATEWAY BLVD
FRANK MARSHALL LANE
GATE 5W5
GATE 5W6
GATE 5W7
GATE 5W8
GATE 5W9
GATE 5W10
GATE 5W11
GATE 5W12
GATE 5W13
GATE 5W14
GATE 5W15
GATE 5W16
GATE 5W17
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GATE 5W22
GATE 5W23
GATE 5W24
GATE




| LEGEND | |
|---|---|
| FIRE HYDRANTS | |
| AIRPORT BUILDINGS | |
| EAST VEHICLE GATES | EV |
| WEST VEHICLE GATES | WV |
| AIRPORT PROPERTY LINE | |
| AIRPORT FENCE | |

## BUILDING TABLE

| NO. | DESCRIPTION/USE | NO. | DESCRIPTION/USE | NO. | DESCRIPTION/USE |
|---|---|---|---|---|---|
| 1–5 | T-HANGARS OF VA | 19 | ROTATING BEACON | 30–31 | DULLES AVIATION FBO |
| 6–8 | CITY T-HANGARS | 20 | ELECTRICAL VAULT | 32 | AURORA WEST/MANASSAS AVIATION |
| 9 | CHANTILLY AIR MAINTENANCE | 21 | FUEL FARM | 33 | AVIATION INSTITUTIE OF MAINTENANCE |
| 10 | DULLES EAST | 22 | CAPITAL AVIATION | 34 | ATCT |
| 11 | DAI EAST | 23 | AEROGRAPHICS | 35 | EAA CHAPTER |
| 12 | MAIN TERMINAL | 24 | COLGAN AIRWAYS | 36–37 | T-HANGARS OF VA |
| 3–13A | VOLO AVIATION FBO | 25 | AURORA FLIGHT SERVICES | 38–39 | CITY T-HANGARS |
| 14–15 | VOLO T-HANGARS | 26 | CHANTILLY AIR | 40–44 | CONDO HANGARS |
| 16 | AEROSOLUTIONS | 27 | DELTA FOX | 45 | LOCALIZER SHED |
| 17 | AIRCARE | 28 | OPTICAL AIR DATA SYSTEMS | 46A–46B | VOLO CORPORATE HANGARS |
| 18 | METROPOLITAN AVIATION | 29 | FLIGHT WORKS | | |

S:\Airport\Emergency Site Plan_rev091405.dwg

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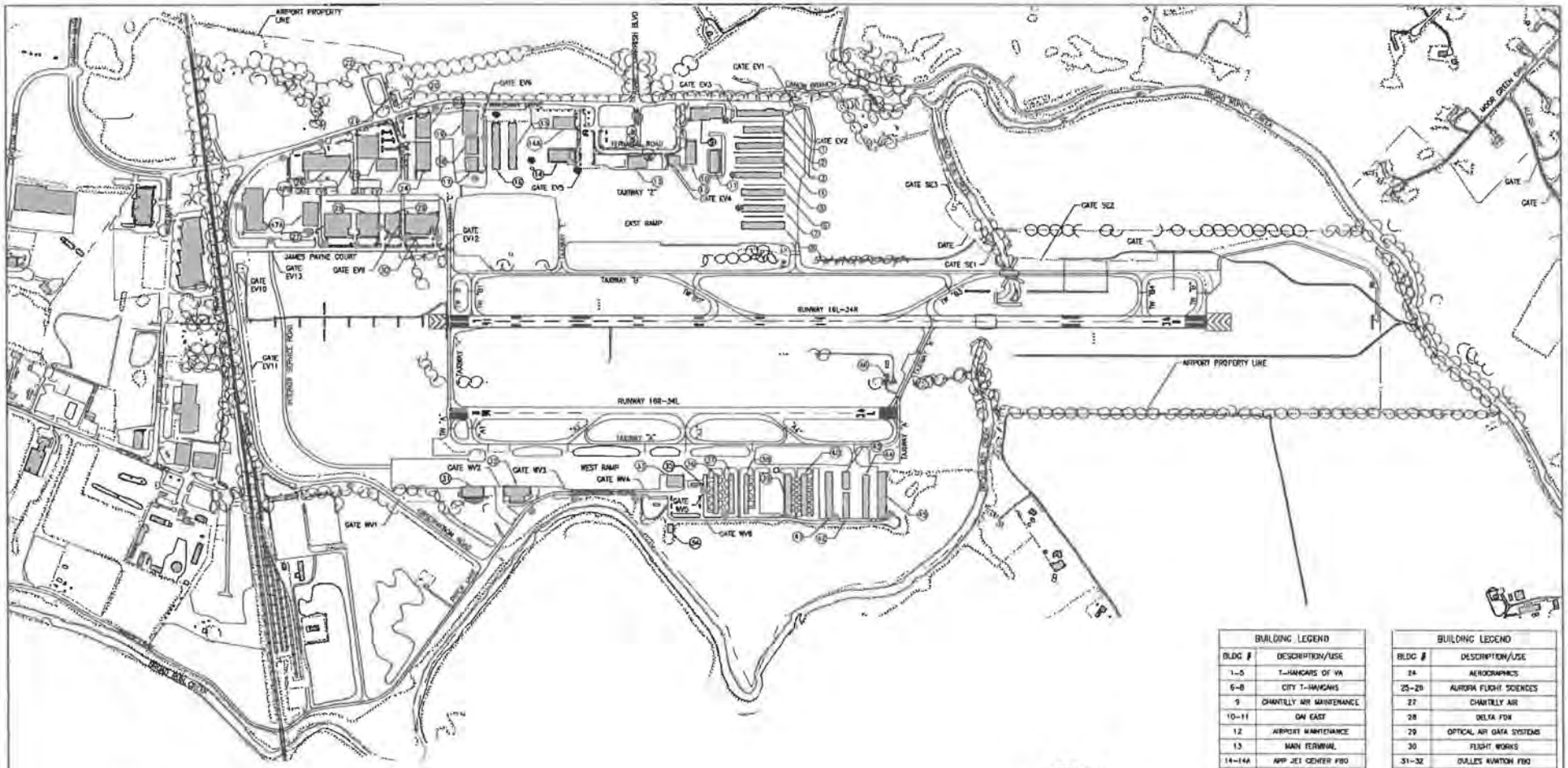
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| DRAWN BY: | JMT |
| CHECKED BY: | JCF |
| PROJECT NO: | [illegible] |
| CAD DWG FILE: | Emergency Site Plan.dwg |
| ISSUE: | September 2007 |
| SHEET TITLE | EMERGENCY PLAN DRAWING |



# City of Manassas
# Storm and Sanitary GIS

Storm Lines

Sanitary Lines




**LEGEND**

- BUILDING
- BUILDING LABEL
- AIRPORT PROPERTY LINE
- SECURITY FENCE
- FIRE HYDRANT

| BUILDING LEGEND | |
|---|---|
| BLDG # | DESCRIPTION/USE |
| 1–5 | T-HANGARS OF VA |
| 6–8 | CITY T-HANGARS |
| 9 | CHANTILLY AIR MAINTENANCE |
| 10–11 | OAI EAST |
| 12 | AIRPORT MAINTENANCE |
| 13 | MAIN TERMINAL |
| 14–14A | APP JET CENTER FBO |
| 14A | APP JET AVIATION FBO |
| 15–16 | APP JET CENTER T-HANGARS |
| 17 | AEROSOLUTIONS |
| 18 | HANGAR |
| 19 | METROPOLITAN AVIATION |
| 20 | ROTATING BEACON |
| 21 | ELECTRICAL VAULT |
| 22 | FUEL FARM |
| 23 | CAPITAL AVIATION |

| BUILDING LEGEND | |
|---|---|
| BLDG # | DESCRIPTION/USE |
| 24 | AEROGRAPHICS |
| 25–29 | AURORA FLIGHT SCIENCES |
| 27 | CHANTILLY AIR |
| 28 | DELTA FOX |
| 29 | OPTICAL AIR DATA SYSTEMS |
| 30 | FLIGHT WORKS |
| 31–32 | DULLES AVIATION FBO |
| 33 | AURORA WEST/MANASSAS AVIATION |
| 34 | AIRPORT RENTAL PROPERTY |
| 35 | AIR TRAFFIC CONTROL TOWER |
| 36 | EAA CHAPTER |
| 37–38 | T-HANGARS OF VA |
| 39–40 | CITY T-HANGARS |
| 41–45 | CONDO HANGARS |
| 46 | LOCALIZER SHED |
| 47A–47B | AWS |

MANASSAS REGIONAL AIRPORT
HARRY P. DAVIS FIELD
MANASSAS, VIRGINIA

RS&H
IMPROVING YOUR WORLD

PROJECT NO. 2224110-04
DATE: 2/25/04
DRAWN/REVIEWED BY: SRO/ALP
SCALE: 1"=800'

EMERGENCY
PLAN MAP

## Appendix D

## *Daily & Weekly Visual Inspection Checklist*

# Manassas R[illegible]nal Airport

**Tank Name/Number:**_____ **Month:**_____ Tenant:_____

| Daily (Use Applicable Markings) | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. General Condition of Tank Yard | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2. Fuel Tanks | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| a. Shell deterioration-rust, corrosion, peeling, etc... | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| b. Tank fill valves secured | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| c. Seals, rivets, bolts, flanges, and hardware condition | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| d. Leaks present (Y or N), indicate location if Y | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| e. Tank gauges and leak detection equipment | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| f. Piping | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| g. Additional appurtenances-detail in "Remarks" | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3. Secondary Containment for Tanks | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| a. Material deterioration-rust, corrosion, peeling, etc. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| b. Free of debris and vegetation | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| c. Free of standing water | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| d. Leaks present (Y or N), indicate location if Y | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| e. Valve(s) used for emptying is secured | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4. Storage Tank Sumps - Record Findings (Codes Below) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5. Filter Sumps - Record Findings (Codes Below) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6. Filter Differential Pressure - Record PSI | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7. Hoses, Swivels and Nozzles | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8. Ground Reels, Cables and Clamps | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9. Fire Extinguishers | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10. Security, Fire, and Safety Deficiencies | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Initials of person performing task | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

**Markings:** S = Satisfactory, X = Unsatisfactory, N/S = Not in Service, N/A = Not Applicable

**Contaminant Indicator Codes:**

Solids = (1) Clear, (2) Slight, (3) Particulate, (4) Dirty; Moisture = (A) Bright, (B) Hazy, (C) Cloudy, (D) Wet

**Remarks:** _____

# Weekly Inspection Checklist for AST Systems

| | Month: | | | Year: | |
|---|---|---|---|---|---|
| Day: | | | | | |
| Containment dike in satisfactory condition | | | | | |
| Containment area free of standing water or oil | | | | | |
| Gate valves used for emptying containment areas secured | | | | | |
| Containment area/base of tank free of high grass, weeds, debris | | | | | |
| Tank shell surface, including any peeling areas, foundation, no rust and other deterioration | | | | | |
| Signs of Leakage - ground surface around tanks, containment structures, transfer areas | | | | | |
| Leak detection equipment in satisfactory condition | | | | | |
| Separator or drainage tank in satisfactory condition | | | | | |
| Tank water bottom drawoffs not in use are secured | | | | | |
| Tank fill valves not in use are secured | | | | | |
| Valves inspected for signs of leakage or deterioration | | | | | |
| Inlet/Outlet piping and flanges inspected for leakage | | | | | |
| All tank gauges inspected and operational. | | | | | |
| Initials of Inspector: | | | | | |

Remarks: _____

# Manassas Regional Airport

# Weekly Fuel Farm Inspection Log

| | Month: | | | | |
|---|---|---|---|---|---|
| **Day:** | | | | | |
| **1. Loading Stations** | | | | | |
| Deadman Control | | | | | |
| Bonding Cables | | | | | |
| Emergency Shutoff | | | | | |
| Condition of Hoses | | | | | |
| **2. General Condition of Fuel Farm** | | | | | |
| Fencing/Gates | | | | | |
| Signs | | | | | |
| Fire Extinguishers | | | | | |
| Fuel Leaks | | | | | |
| Condition of Piping | | | | | |
| Camera | | | | | |
| Lighting | | | | | |
| Evidence of Smoking | | | | | |
| Ignition Sources | | | | | |
| Tenant Storage Containers | | | | | |
| Trash/Weeds | | | | | |
| Spill Kits | | | | | |
| Oil/Water Seperator | | | | | |
| **3. Condition of Containment Area** | | | | | |
| Inside Dike | | | | | |
| Outside Dike | | | | | |
| | | | | | |
| Monthy Emergency Shutoff Test | | | | | |
| Initals of Inspector: | | | | | |

✓= Satisfactory, X = Unsatisfactory, N/S = Not in Service, N/A = Applicable

REMARKS: _____

## Appendix E

***Emergency Response Contractors & Letters of Understanding***

**Remtech Professional Services Agreement**

This agreement referenced to Purchase Order Number or Client Reference Number N/A is to authorize Remtech for engineering services according to the scope of work as outlined below.

1.0.1. DESCRIPTION: Remtech shall furnish professional environmental services to include labor, materials, tools, equipment, supervision, transportation and other related services to perform the tasks outlined below:
Provide emergency response services to include environmental spills, site remediation, environmental training, and environmental consulting on a time and materials basis (according to Remtech's Professional Billing Schedule) on a project by project basis as authorized by Flight Works. A confirming scope of work for each project will be transmitted to Flight Works.

1.0.2. RESPONSIBILITY FOR COMPLETION & LIMITS OF LIABILITY: It is understood that the nature of project(s) involve certain unknowns beyond the control of Remtech or the client. Remtech will make every reasonable effort to keep the client informed of conditions that may affect cost, work progression and completion. Under no circumstances will Remtech become the generator of any wastes involved, be responsible of attorney fees resulting from performance of this contract, third party suits, or other charges not directly associated with the completion of the scope of work. Remtech makes no representations as to areas not sampled, techniques used and samples not tested. The client will hold Remtech harmless from all liabilities except Remtech's intentional or gross negligence acts. Gross negligence shall not be interpreted to include: action taken or not taken by Remtech during adverse weather conditions, labor disputes, sabotage by third parties, any action taken by third parties, information transmitted by any method from the client for Remtech's use, or client imposed restrictions including delays in authorization, or other conditions beyond Remtech's control or limitations in the scope of work that limits Remtech's ability to take reasonable action to complete the scope of work defined by this contract.

To the fullest extent permitted by law, and notwithstanding any other provision of this Agreement, the total liability, in the aggregate, of Remtech and Remtech's officers, directors, partners, employees, agents, and consultants, and any of them, to OWNER and anyone claiming by, through or under OWNER, for any and all claims, losses, costs or damages whatsoever arising out of, resulting from, or in any way related to the Project or the Agreement from any cause or causes, including but not limited to the negligence, professional errors or omissions, strict liability or breach of contract or warranty expressed or implied of Remtech or Remtech's officers, directors, partners, employees, agents or Remtech's consultants or any of them, shall not exceed the fees associated with the scope of work assigned herein.

2.0.1. BASELINE CONDITIONS: Remtech shall be allowed to monitor baseline site conditions including but not limited to the collection of information, samples, or other methods to document conditions, before, during and following work completion to protect Remtech's interest. Remtech shall be allowed to exercise professional discretion to protect Remtech's interest in the execution of the contract.

2.0.2. RESPONSIBILITIES: Remtech will not be held responsible for costs associated with time and spatial change in the nature, extent, or amount of contamination that may occur due to force majeure conditions or other conditions including: natural causes, third party actions, decontamination or clean-up standards, availability of resources, actions taken by regulatory or other parties, or conditions that can not be visibly observed, reasonably measured, controlled or reasonably expected to be present at the work site

2.0.3. PROPERTY ASSESSMENTS: It is understood and agreed by the parties that a full and complete determination as to whether a certain piece of land is or is not free from environmental contamination cannot be made. The extent of testing and statistical confidence associated with a property assessment is balanced against a reasonable project budget, and as such, 100% confidence in property assessment conclusions can never be reached. As such, it is agreed that Remtech will not provide guarantees, certifications, or warranties that a property is free from environmental contamination.

Remtech's liability, with respect to findings and conclusions reported by Remtech, is limited to the scope of the environmental assessment as set forth herein. Remtech assumes no liability under this report except in the case of Remtech's gross negligence, willful malfeasance or willful nonfeasance. Remtech makes no representations as to areas not sampled, techniques used and samples not tested.

3.0.1. SCOPE OF PAYMENT: Time and material charges will be according to Remtech's published billing schedule and will include such items as baseline videotaping, collection of samples, sample splitting, industrial hygiene monitoring, and medical surveillance. The client will reimburse Remtech for portal to portal time and material charges incurred at the work site, away from the work site, for management, administrative, records maintenance and production; demobilization, re-inventorying, decontaminating, and repairing of material and equipment; subsistence; demurrage, mobilization, transportation; permitting charges; sampling charges; storage; site stabilization during adverse weather conditions; special additional insurance requested by the client; and project delays or standby time and other identifiable expenses, charges or fees associated with the completion of this work according to Remtech's published rates. Remtech will make a reasonable effort to complete the scope of work utilizing good engineering practices. Remtech shall prepare and submit to the Owner by the fifteenth and/or thirtieth of each month an itemized statement (invoice) covering the costs and fees (charges) for the work performed in the covered time period. Supporting documentation will include computer documentation of time and material charge categories listed on Remtech's billing schedule plus vendor or subcontractor invoices not included on Remtech's published billing schedule. Remtech shall provide an estimate based on the scope of work to the Owner. Remtech shall be reimbursed for damages to equipment (or replacement), supplies, or other resources expended or affected by contamination or conditions beyond Remtech's control.

3.0.2. PAYMENT SCHEDULE: Owner shall pay Remtech for the services noted on each invoice statement within ten (10) days of the date of Remtech's invoice. Payments not made within a 30-day period shall be subject to a monthly finance charge of 1.5%. This finance charge will be calculated on any unpaid balance from the date of invoice until Remtech Engineers receive payment in full.

## Jolene Berry

**From:** Steve Betts [SBetts@flightworks.com]
**Sent:** Monday, January 27, 2014 11:18 AM
**To:** Jolene Berry
**Subject:** RE: Need fuel paperwork

Jolene,

I just spoke with Remtech and there is no expiration of the agreement. Their services are fully in effect unless we terminate services in accordance with item 3.0.4 of the agreement.

Thank you,

*Steven L. Betts* | Maintenance Manager
FlightWorks, Inc. | Atlanta, GA | Washington DC
**office** +1.703-396-8786 | **mobile** +1.540-212-3969 | **email** sbetts@flightworks.com

Uncompromised Safety | Exceptional Quality | Unrivaled Service

**From:** Jolene Berry [mailto:jberry@ci.manassas.va.us]
**Sent:** Monday, January 27, 2014 11:09 AM
**To:** Steve Betts
**Subject:** RE: Need fuel paperwork

Is there an expiration date on it anywhere? These agreements are normally only valid for one year.

**Jolene Berry**
**Sr. Airport Operations**
**Manassas Regional Airport**
703-257-8270 Office/After hours
703-257-8279 Direct
**www.manassasregionalairport.aero**

**From:** Steve Betts [mailto:SBetts@flightworks.com]
**Sent:** Monday, January 27, 2014 11:05 AM
**To:** Jolene Berry
**Subject:** RE: Need fuel paperwork

Jolene,

Please find attached our remediation agreement with Remtech. It is still valid. I have requested a copy of the insurance.

American Safety Indemnity Company
100 Galleria Parkway S.E., Suite 700 Atlanta, GA 30339
t. 800.388.3647 p. 770.916.1908 f. 770.955.9439
Solutions for Specialty Risks

# POLICY DECLARATIONS
# COMMERCIAL ENVIRONMENTAL IMPAIRMENT LIABILITY INSURANCE(CLAIMS MADE)
# THE COVERAGE AFFORDED UNDER THIS POLICY IS WRITTEN ON A CLAIMS MADE BASIS

**POLICY NUMBER:** EIL030075-11-01
**RENEWAL OF POLICY:** New

*Named Insured & Mailing Address:*
Flightworks, Inc.
600 Town Park Lane, Suite 550
Kennesaw, GA 30144

*Broker Name & Mailing Address:*
American Risk Management Resources Network, LLC
7507 Hubbard Ave Suite 200
Middleton, WI 53562

Form of Business: **Corporation**

*Policy Period*: From 09/30/11 to 09/30/14 at 12:01 A.M. Standard Time at your mailing address shown above.

| **RETROACTIVE DATE** | |
|---|---|
| | See EIL 00 500 04 06 |

| **LIMITS OF INSURANCE** | |
|---|---|
| Each Environmental Impairment Incident | $5,000,000 |
| Environmental Impairment Aggregate Limit | $5,000,000 |

Policy limits do not reinstate annually.

| **RETENTION*** | |
|---|---|
| Environmental Impairment Liability | $10,000 SIR Per Claim |
| Transportation | $10,000 SIR Per Claim |

**Includes loss adjustment expenses*

| **COVERAGES** | |
|---|---|
| Coverage A - Offsite Bodily Injury and Property Damage | INCLUDED |
| Coverage B - Offsite Cleanup Costs | INCLUDED |
| Coverage C - Onsite Bodily Injury and Property Damage | INCLUDED |
| Coverage D - Onsite Cleanup Costs | INCLUDED |
| Business Interruption and Extra Expense | NOT INCLUDED |
| Transportation | INCLUDED |
| Non-Owned Disposal Site Coverage | NOT INCLUDED |

| **PREMIUM** | |
|---|---|
| Policy Premium | $24,865.00 |
| Minimum Policy Premium | $24,865.00 |
| Minimum Earned Premium (fully earned at policy inception) | $6,216.25 |

ASI

# POLICY DECLARATIONS
## COMMERCIAL ENVIRONMENTAL IMPAIRMENT LIABILITY INSURANCE(CLAIMS MADE)
## THE COVERAGE AFFORDED UNDER THIS POLICY IS WRITTEN ON A CLAIMS MADE BASIS

**POLICY NUMBER:** EIL030075-11-01
**NAMED INSURED:** Flightworks, Inc.

| PREMIUM | |
|---|---|
| Amount Due | $24,865.00 |
| Audit Period | Not Subject To Audit |

**INSURED SITE(S)**

See EIL 00 500 04 06

**IN CONSIDERATION OF THE PAYMENT OF THE PREMIUMS, AND SUBJECT TO ALL THE TERMS, CONDITIONS AND EXCLUSIONS OF THIS POLICY, WE AGREE TO PROVIDE THE INSURED WITH THE INSURANCE AS STATED IN THIS POLICY.**

**THESE DECLARATIONS TOGETHER WITH THE COMMON POLICY CONDITIONS, COVERAGE FORM(S) AND ENDORSEMENTS ISSUED TO FORM A PART THEREOF, COMPLETE THE ABOVE REFERENCED POLICY.**

**Countersigned:** _____ **By:** _____
**(Date)** **(Authorized Representative)**

**In witness whereof, this company has caused this policy to be signed by its President and Secretary but if required by state law, the policy shall not be valid unless countersigned by an authorized representative of the company.**

_____ _____
**SECRETARY SIGNATURE** **PRESIDENT SIGNATURE**

## SCHEDULE OF FORMS & ENDORSEMENTS
## Policy # EIL030075-11-01

| orm Number | Title (Description) |
|---|---|
| PFM AS PDP 061010 | POLICY DECLARATIONS |
| PHN AS CHN 061010 | POLICYHOLDER NOTICE - Claims Handling |
| EIL 00 000 05 08 | COMMERCIAL ENVIRONMENTAL IMPAIRMENT LIABILITY POLICY |
| EIL 00 001 04 06 | SELF-INSURED RETENTION |
| EIL 00 086 04 06 | WAR OR TERRORISM EXCLUSION |
| EIL 00 096 03 08 | EXCLUSION OF CERTIFIED ACTS OF TERRORISM |
| EIL 00 235 07 07 | TRANSPORTATION COVERAGE ENDORSEMENT |
| EIL 00 400 11 07 | MOLD, MILDEW, FUNGUS EXCLUSION ENDORSEMENT |
| EIL 00 500 04 06 | INSURED SITE COVERAGE ENDORSEMENT |
| MAN 05 001 03 05 | SPECIAL ENDORSEMENT-MATERIAL CHANGE IN USE |

# CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY): 01/28/2014

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

| | |
|---|---|
| PRODUCER<br>AIS Gallagher<br>Arthur J. Gallagher Risk Management Services Inc<br>9515 Hillwood Drive<br>Las Vegas NV 89134 | CONTACT NAME: John Grob / Virginia Dominguez<br>PHONE (A/C, No, Ext): 702-647-2333 FAX (A/C, No): 702-647-5433<br>E-MAIL ADDRESS: john_grob@ajg.com / virginia_dominguez@ajg.com |
| INSURED<br>Chantilly Air, Inc.<br>1076 James Payne Ct<br>Manassas, VA 20110 | INSURER(S) AFFORDING COVERAGE — NAIC #<br>INSURER A : ACE American Insurance Company<br>INSURER B :<br>INSURER C :<br>INSURER D :<br>INSURER E :<br>INSURER F : |

**COVERAGES** **CERTIFICATE NUMBER:** **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

| INSR LTR | TYPE OF INSURANCE | ADDL INSR | SUBR WVD | POLICY NUMBER | POLICY EFF (MM/DD/YYYY) | POLICY EXP (MM/DD/YYYY) | LIMITS |
|---|---|---|---|---|---|---|---|
| | GENERAL LIABILITY<br>COMMERCIAL GENERAL LIABILITY<br>CLAIMS-MADE OCCUR<br>GEN'L AGGREGATE LIMIT APPLIES PER:<br>POLICY PRO-JECT LOC | | | | | | EACH OCCURRENCE $<br>DAMAGE TO RENTED PREMISES (Ea occurrence) $<br>MED EXP (Any one person) $<br>PERSONAL & ADV INJURY $<br>GENERAL AGGREGATE $<br>PRODUCTS - COMP/OP AGG $<br>$ |
| | AUTOMOBILE LIABILITY<br>ANY AUTO<br>ALL OWNED AUTOS<br>SCHEDULED AUTOS<br>HIRED AUTOS<br>NON-OWNED AUTOS | | | | | | COMBINED SINGLE LIMIT (Ea accident) $<br>BODILY INJURY (Per person) $<br>BODILY INJURY (Per accident) $<br>PROPERTY DAMAGE (Per accident) $<br>$ |
| | UMBRELLA LIAB OCCUR<br>EXCESS LIAB CLAIMS-MADE<br>DED RETENTION $ | | | | | | EACH OCCURRENCE $<br>AGGREGATE $<br>$ |
| | WORKERS COMPENSATION AND EMPLOYERS' LIABILITY<br>ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICE/MEMBER EXCLUDED? Y / N<br>(Mandatory in NH)<br>If yes, describe under DESCRIPTION OF OPERATIONS below | N/A | | | | | WC STATU-TORY LIMITS OTH-ER<br>E.L. EACH ACCIDENT $<br>E.L. DISEASE - EA EMPLOYEE $<br>E.L. DISEASE - POLICY LIMIT $ |
| A | Pollution Liability on Storage Tank Only | Y | | UST G24551313 003 | 11/9/2013 | 11/9/2014 | $1,000,000 |

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, If more space is required)

Manassas Regional Airport
10600 Harry J. Parrish Boulevard
Manassas, VA 20108

**CERTIFICATE HOLDER**

Manassas Regional Airport
10600 Harry J. Parrish Boulevard
Manassas, VA 20108

**CANCELLATION**

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

Virginia Dominguez 2569219

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# SCHEDULE OF ADDITIONAL INSUREDS ENDORSEMENT

| Named Insured | | | Endorsement Number |
|---|---|---|---|
| **Chantilly Air, Inc.** | | | **001** |
| Policy Symbol | Policy Number | Policy Period | Effective Date of Endorsement |
| **UST** | **G24551313 002** | **11/09/2012 to 11/09/2013** | **11/09/2012** |
| Issued By (Name of Insurance Company) | | | |
| **Illinois Union Insurance Company** | | | |

Insert the policy number. The remainder of the information is to be completed only when this endorsement is issued subsequent to the preparation of the policy.

## THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

The "insured" and the Insurer hereby agree to the following changes to this Policy:

The persons or organizations identified in the Schedule of Additional Insureds, below, shall be considered "additional insureds" pursuant to this Policy, but only with respect to their vicarious liability for the direct liability of a "named insured" arising out of a "storage tank incident" to which this Policy applies.

**Schedule of Additional Insureds**

**Manassas Regional Airport**
**10600 Harry J. Parrish Boulevard**
**Manassas, VA 20108**

All other terms and conditions of the Policy remain unchanged.

Authorized Representative


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**COMMERCE AND INDUSTRY INSURANCE COMPANY**
175 WATER STREET
NEW YORK, N.Y. 10038

**STORAGE TANK THIRD-PARTY LIABILITY, CORRECTIVE ACTION AND CLEANUP POLICY**

**DECLARATIONS**

**NOTICE: THIS IS A CLAIMS-MADE AND REPORTED POLICY. AMOUNTS INCURRED FOR LEGAL DEFENSE SHALL BE APPLIED AGAINST THE DEDUCTIBLE AMOUNT AND ALSO SHALL REDUCE THE SEPARATE LIMIT OF LIABILITY AVAILABLE TO PAY LEGAL DEFENSE COSTS COVERED BY THIS INSURANCE.**

**POLICY NUMBER:** 017778601

**Item 1. NAMED INSURED:** Dulles Aviation, Inc

**ADDRESS:** 10501 Observation Rd.
Manassas, VA 20110

**Item 2. POLICY PERIOD:** **FROM** 12/07/13 **TO** 12/07/14
12:01 AM Standard Time at the Address of the Named Insured shown above

**Item 3. LIMIT OF LIABILITY:**

| | |
|---|---|
| $ 1,000,000 | **EACH INCIDENT** |
| $ 2,000,000 | **AGGREGATE LIMIT** |
| | **AGGREGATE DEFENSE EXPENSE LIMIT** |

**Item 4. DEDUCTIBLE:** $ 25,000

**Item 5. COVERED LOCATION(S):** See Storage Tank Schedule

**Item 6. COVERED UNDERGROUND STORAGE TANK SYSTEM(S) AND/OR ABOVEGROUND STORAGE TANK(S):** See Storage Tank Schedule

**Item 7. RETROACTIVE DATE:** See Storage Tank Schedule

**Item 8. POLICY PREMIUM:**

Premium for Certified Acts of Terrorism Coverage Under TRIA 2002:
Included in Policy Premium

**BROKER:** Chamber Insurance Agency Services

**By** _____
**AUTHORIZED REPRESENTATIVE**
or countersignature (in states where applicable)

ENDORSEMENT

This endorsement, effective 12:01 AM, 12/07/13

Forms a part of Policy No.: 017778601

Issued to: Dulles Aviation, Inc

By: Commerce and Industry Insurance Company
THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

ADDITIONAL INSUREDS

In consideration of the premium charged, it is hereby agreed that the following entity(s) is (are) included as additional Insured(s), but solely as respects liability arising out of the ownership, operation, maintenance or use of the locations designated in item 5 of the Declarations or the storage tanks designated in item 6 of the Declarations.

City of Manassas
9025 Center St P.O. Box 560
Manassas, VA 22110

All other terms, conditions, and exclusions shall remain the same.

AUTHORIZED REPRESENTATIVE
or countersignature(in states where applicable)

60289(05/94)
CI1027

HEPACO

Serious experience for serious times.

# BLANKET RAPID RESPONSE SERVICES AGREEMENT

## THIS AGREEMENT IS SUBJECT TO ARBITRATION

This AGREEMENT is entered into this 3rd day of March, 2014 by and between HEPACO, LLC and its subsidiaries, including but not limited to IMS Environmental Services, LLC and HEPACO React, LLC ("Contractor") and APP Jet Center - Manassas which is a ( ) Corporation, ( ) Partnership, ( ) Individual ("Client") whose principal office is located at 9998 Wakeman Drive, Manassas, VA 20110.

## I. BACKGROUND

Contractor is a provider of emergency response and remediation services. Client desires to contract with Contractor to provide all emergency cleanup services, remediation services, and disposal and transportation of waste and cleanup materials/debris for Client, and Contractor desires to provide such services in accordance with the terms of this Agreement.

As part of Client's operations, there is a potential for property belonging to or in the custody/responsibility of Client to spill, be released or otherwise create an emergency condition(s) ("Emergency Condition(s)") that requires environmental emergency response, cleanup and remediation services. In order to eliminate or contain such Emergency Condition(s), as presently exist or may exist in the future, Client desires to engage Contractor to provide all environmental emergency response, cleanup and remediation services arising out of Client's operations and the occurrence of any such Emergency Condition(s) (the provision of such services, including the response, cleanup and subsequent remediation of Emergency Condition(s), being referred to as the "Emergency Cleanup Work" or "Work").

Client desires to have Contractor perform all of its Emergency Cleanup Work associated with all of its Emergency Conditions, as presently exist(s) or may exist in the future, and Contractor desires to perform all such Emergency Cleanup Work.

## II. AGREEMENT

**NOW, THEREFORE**, in consideration of the foregoing and the mutual promises, terms, and conditions set forth below, the parties hereto agree as follows:

### 1. Statement of Substance Involved:

Client acknowledges and warrants that all known documentation, including but not limited to Material Safety Data Sheets, bills of lading, manifests, or other documentation accurately describing the substances involved in the Emergency Cleanup Work have or will be provided to Contractor upon arrival at the location where the Emergency Cleanup Work is reasonably necessary ("Site") and by fax or e-mail to Contractor. Client will communicate to the Contractor's representative any relevant change in the information or communication indicating that such change may be necessary and will communicate to Contractor any hazards or risks known, learned, or suspected by the Client to be incidental to the Emergency Cleanup Work under this Agreement.

### 2. Statement of Work:

Contractor's scope of work shall include, but shall not be limited to, providing all labor, equipment, and materials necessary to provide all Emergency Cleanup Work to investigate, analyze, manage, and control any Emergency Condition(s) as well as investigate, analyze, manage, control, and perform all emergency response and/or environmental remediation work resulting from such Emergency Condition(s) (the Emergency Cleanup Work necessitated by, associated with, relating to and/or arising out of each Emergency Condition being referred to as a "Project"). Contractor shall furnish the labor, equipment, materials, and services required in order to perform the Emergency Cleanup Work and all follow-up remediation work for each separate Project in accordance with all state and federal guidelines and rules as well as sound and prudent judgment. Contractor shall perform the Emergency Cleanup Work, and all included remediation work, for each Project at the Site and, if applicable, on the disposal facility(ies). Client acknowledges that the physical conditions at the Site, including, without limitation, constituents, characteristics, properties, and quantities of waste materials present, if known, which are relevant to the Emergency Cleanup Work have been supplied by Client to Contractor. "Waste materials" as used in this Agreement shall mean any material deposited at the Site and leachate or other substance produced by such materials. Where required by state and federal guidelines and rules and/or sound and prudent judgment, Contractor may, in its discretion, take such actions as it shall deem appropriate to prevent threatened personal injury or property damage. Any such actions taken by Contractor shall be deemed included in the Emergency Cleanup Work, and Client shall compensate Contractor for such actions on the basis of Contractor's then current standard rates for services and the use of equipment and materials of the type involved.

The Work shall be performed in accordance with the terms of this Agreement as well as the Time and Materials Rate Schedule and the Reimbursement Terms and Conditions as set forth in Exhibit "A" attached hereto and incorporated herein by reference. Client hereby acknowledges that it has received and reviewed or has had the opportunity to request copies of such Time and Materials Rate Schedule and the Reimbursement Terms and Conditions, and the terms and rates set forth therein for Contractor's Work are reasonable and accepted by the Client.

3. **Duration:**

This Agreement shall commence on the date set forth above and apply to any Emergency Condition(s), as such presently exist or may exist in the future, until this Agreement is terminated by one of the parties in accordance with Section 7.

4. **Commencement:**

Contractor shall commence the Emergency Cleanup Work associated with each Project as soon as possible and practicable after acceptance of same by Contractor and authorization to proceed (either orally or in writing) is provided by Client to Contractor. Upon such acceptance and notice, Contractor shall diligently pursue such Emergency Cleanup Work for the Project at issue until completion, including all response, clean-up and remediation work arising out of the Emergency Condition(s), and Client shall perform its obligations in accordance with the terms of the Agreement.

5. **Payment:**

Client shall pay Contractor for labor, equipment, materials, reporting and administrative tasks, services and other items furnished in the performance of the Emergency Cleanup Work until completion or until the earlier termination of this Agreement in accordance with Section 7. Client shall pay Contractor in accordance with Contractor's Time and Materials Rate Schedule Form No. 101, Revision 13, dated August 15, 2013 as well as Contractor's Reimbursement Terms and Conditions for Time and Materials Contracts (attached hereto and incorporated herein by reference as Exhibit A) for the commensurate labor, equipment, material, and subcontracting efforts directed in the performance of the Emergency Cleanup Work.

CLIENT HEREBY ACKNOWLEDGES AND WARRANTS THAT IT HAS RECEIVED AND REVIEWED THE TIME AND MATERIALS RATE SCHEDULE AND THE REIMBURSEMENT TERMS AND CONDITIONS AND THAT THE TERMS AND RATES SET FORTH THEREIN ARE REASONABLE AND ACCEPTED BY CLIENT.

Contractor may, from time to time, at the request of Client, provide a best estimate for Contractor's cost in performing the Emergency Cleanup Work on a specific Project. Such estimate or quote given by Contractor is ONLY AN ESTIMATE and not a firm contract price nor a "not to exceed" price. Client acknowledges that, despite any estimate given by Contractor, Client shall pay the invoice submitted by Contractor in accordance with the Time and Materials Rate Schedule and the Reimbursement Terms and Conditions attached hereto and incorporated herein by reference as Exhibit A.

Client hereby acknowledges that Contractor may reasonably adjust its Blanket Rapid Response Services Agreement or Time and Materials Rate Schedule from time to time, but in no event will Contractor adjust its Time and Materials Rate Schedule during the course of a Project under this Agreement with Client. Adjustments in the Time and Materials Rate Schedule shall be made by Contractor prior to or subsequent to Contractor's Emergency Cleanup Work of a Project that is the subject of this Agreement. Such adjustment of the Time and Materials Rate Schedule shall become effective upon Contractor providing Client with written notice of the adjustments.

Client's obligation to fully compensate Contractor pursuant to this Agreement shall not be conditioned upon the types, amounts, or availability of Client's insurance coverage. This includes, but is not limited to, the amounts owed to HEPACO by Client in accordance with the contract documents and the HEPACO Time and Materials Rate Schedule attached hereto and incorporated herein by reference as Exhibit A. Any money received by Client from any insurance carrier, reinsurance, self-insurance, or other fund or any third party in relation to the Work performed by HEPACO shall be paid to HEPACO within three calendar days of receipt by Client. Under no circumstances shall the opinions or analysis of adjusters, auditors, consultants or other third parties have any bearing on the terms or rates of payment under this Agreement.

By signing on this page below, Client consents to use of its credit card for payment of services performed by Contractor under this Agreement. If Client chooses to utilize its credit card for payment of Contractor's services performed under this Agreement, Client shall fill out the following information:

Credit Card Type: _____ Card Number: _____ Exp. Date: _____

Exact Name as it Appears on Card: _____ Security Code: _____

Billing Address: _____

Authorized Representative's Signature: _____

By signing above, Client agrees that all information above is valid. Client further attests that its signature above is authorization for Contractor to utilize its credit card for payment related to services performed by Contractor under this Agreement.

6. **Indemnification:**

Client hereby agrees to indemnify, save harmless and defend Contractor from and against any and all liabilities, claims, penalties, suits, and costs and expenses incident hereto (including reasonable attorney's fees incurred by Contractor), which Contractor may hereafter incur, become responsible for or pay out as a result of performing Work on this project under this agreement including, but not limited to, death, personal injury to any person, destruction or damage to any property, contamination of or adverse effect on the environment, or any actual or alleged violation of any government law, ordinance, rule, regulations arising out of or related to Contractor's performance of the Work of this Agreement, except that nothing in this Agreement shall be construed to relieve Contractor for any liability arising out of Contractor's negligence, whether said liability arises solely or in part out of such negligence.

7. **Termination of Agreement:**

This Agreement may be terminated only as follows:

a. Without Cause: Either party may terminate this Agreement without cause upon not less than sixty (60) days prior written notice.

b. For Cause: Either party may terminate this Agreement at any time with cause if either party fails to keep, observe, or perform a material term, agreement, or provision of this Agreement and such breach remains unremedied for a continuous period of thirty (30) days after receipt of written notice from the non-defaulting party stating the specific default; provided, however, that if the breach cannot be reasonably cured within thirty (30) days, the defaulting party shall have a reasonable time within which to cure the default.

c. Termination of Agreement With or Without Cause by Either Party: All outstanding monies due Contractor for work performed prior to the termination of this Agreement, plus overhead and profit in relation to the same, shall be due and payable as provided in Paragraph 5 above and Paragraph 9 of the Reimbursement Terms and Conditions for Time and Materials Contracts. All costs incurred by Contractor specified in the Time and Materials Rate Schedule prior to the termination of this Agreement, as well as the cost of securing the Site, work required to leave the Site in a reasonably safe condition, all demobilization costs, all costs and materials that cannot be returned, all restocking charges incurred, and all costs as specifically provided for in Paragraph 5, Paragraph 7, and Paragraph 8 below, shall be paid to Contractor as provided in Paragraph 5 above and Paragraph 9 of the Reimbursement Terms and Conditions for Time and Materials Contracts.

In the event of a termination for an alleged default by the Contractor, the Contractor shall be entitled to the payment specified herein within thirty (30) days of the termination, such payment being subject to adjustment at a later date following a final adjudication of the rights and liabilities of Client and Contractor by arbitration or a court of competent jurisdiction.

d. Additional Result of Termination by the Client Without Cause: In the event of termination of all or any part of this Agreement by the Client without cause, and in addition to and without limitation of the provisions of Paragraph 7(c) of this Agreement, Contractor shall be paid an administrative fee of ten percent (10%) of the value of work performed to the date of termination on the Project at issue as well as reasonable overhead and profit on work not executed or performed by Contractor on the Project. The overhead and profit on Emergency Cleanup Work not performed shall constitute twenty percent (20%) of the amount paid any other contractor(s) by Client to perform any emergency clean-up or environmental remediation work on the Project after the date of termination of this Agreement that would have been within Contractor's Scope of Work and performed by Contractor but for the termination.

8. **Arbitration:**

All claims, disputes, and other matters or questions arising out of or relating to this Agreement shall be decided by arbitration in accordance with the Construction Industry Arbitration Rules of the American Arbitration Association unless the parties mutually agree otherwise. Judgment upon the award rendered by the arbitrator or arbitrators may be entered in any court having jurisdiction thereof.

Contractor and Client expressly agree that the arbitrator(s) shall have the power and authority to grant reasonable attorneys' fees (including attorneys' fees based upon a contingency fee agreement) and costs incurred in resolving any claim or dispute arising out of or relating to this Agreement and, further, that the prevailing party shall be entitled to recover such reasonable attorneys' fees and costs. Such costs shall include, but are not limited to, any costs recoverable pursuant to the General Statutes of North Carolina, any filing or administrative fees of the American Arbitration Association, the cost of obtaining a hearing room for the arbitration proceedings, witness fees and costs (including both party and nonparty witnesses), the preparation of arbitration exhibits, and compensation of the arbitrator(s). HEPACO's witness fees and preparation cost will be calculated as provided in Paragraph 8 of the attached and incorporated Time and Materials Rate Schedule and the Reimbursement Terms and Conditions and will include, but are not limited to, travel costs, salary, meals, and lodging for any such HEPACO personnel.

The Demand for Arbitration shall be filed in writing with the other party to the Agreement and with the American Arbitration Association. A Demand for Arbitration shall be made within a reasonable time after the claim, dispute or other matter relating to the Agreement has arisen, and in no event shall be made after the date when institution of legal or equitable proceedings based on such claim, dispute or other matter will be barred by the applicable statute of limitations. The hearings will commence on or before 180 days after the demand for arbitration is filed. The hearing will continue on consecutive business days until the proceedings are concluded.

With respect to any arbitration, the parties agree that the arbitrator(s) shall follow and give effect to each party's contract rights and responsibilities, and that those rights shall be interpreted and enforced in a manner consistent with the laws of the State of North Carolina. The failure of the arbitrator(s) to give effect to the contract, or render a decision that is inconsistent with North Carolina law shall be grounds for an appeal by Contractor. Any such appeal shall be heard by an appropriate Superior Court, Mecklenburg County, North Carolina.

Notwithstanding anything stated herein to the contrary, Client acknowledges and agrees that Contractor retains the option to seek payment from the National Pollution Funds Center ("NPFC") or the Oil Spill Liability Trust Fund (the "Fund"), as specified in 33 U.S.C.A. §2700 et seq., for any sums due Contractor pursuant to the terms of this Agreement and, in the event Contractor elects to exercise such option, Client agrees that:

a. An exercise of such option by Contractor shall immediately and automatically constitute a mutual waiver by both Contractor and Client of any requirement for arbitration specified in this Agreement. Client further agrees that this mutual waiver shall be effective even if Contractor has previously demanded arbitration;

b. Client immediately and unequivocally waives, relinquishes and releases any right to demand arbitration or assert the arbitration provisions of the Agreement as a defense to any action instituted, or which could be instituted, by Contractor or any action instituted by the NPFC or the Fund by way of subrogation to Contractor's rights pursuant to this Agreement;

c. The United States Government, or any agency thereof, including, but not limited to, the NPFC or the Fund shall be entitled to (i) assume by way of subrogation, all rights of Contractor under the Agreement, including, but not limited to, the right of Contractor to initiate a lawsuit in any court of competent jurisdiction to recover from Client all amounts owed Contractor pursuant to the terms of the Agreement, as well as all damages and costs allowed by law and/or (ii) regardless of any right of subrogation, the NPFC and the Fund shall be entitled to institute an action against Client in any court of competent jurisdiction to recover all damages, costs and expenses allowed by law. In such event, Client expressly waives, relinquishes and releases any claim(s) or defense(s) relating to the arbitration provision in the Agreement and consents to any proper jurisdiction and venue regarding litigation.

**9. Notice:**

Any notice or other communication to be given under this Agreement shall be in writing and effective when delivered personally or through private delivery services (e.g., Federal Express), when mailed by certified mail, return receipt requested, or by facsimile as follows:

HEPACO, LLC
P.O. Box 26308, Charlotte, North Carolina 28221-6308
ATTN: Ronald L. Horton, Jr.
Telephone: (704) 598-9782 • Facsimile: (704) 598-7823

CLIENT: APP Jet Center
Address: 9998 Wakeman Drive, Manassas, VA 20110
Telephone: 703-392-5387
Facsimile: 703-392 0545
e-mail: QRedden @ appjetcenter.com

**10. Law and Venue:**

The validity, interpretation and performance of this Agreement shall be governed by and construed in accordance with the laws of the State of North Carolina. This Agreement shall also be deemed to have been made under the laws of the State of North Carolina. All arbitrations or other proceedings between Contractor and Client arising out of or relating to this Agreement shall be conducted in Charlotte, Mecklenburg County, North Carolina. By acceptance of this Agreement, Client waives any rights it may have to claim on an alternate venue for arbitrations or other proceedings.

**11. Severability:**

If any provision of this Agreement or its application to any person or circumstance shall be invalid or unenforceable to any extent, the remainder of this Agreement and application of its provisions to the other persons or circumstances shall not be affected and shall be enforced to the greatest extent permitted by law.

**12. Assignment:**

This Agreement may not be assigned by Client without the prior written consent of Contractor and shall be binding upon and shall endure to the benefit of all approved transferees, assigns, and successors in interest of any kind of the parties hereto. Contractor may assign this Agreement at any time in its sole discretion.

**13. Headings:**

The headings contained in this Agreement are for convenience and reference only and are not intended to define, limit, or describe the scope or intent of any provision of this Agreement.

**14. Entire Agreement:**

This Agreement, including the Time and Material Rate Schedule and the Reimbursement Terms and Conditions attached hereto as Exhibit "A" and incorporated herein by reference, represents the entire understanding and agreement between the parties hereto relating to the Emergency Cleanup Work and follow-up Remediation Work, and supersedes any and all prior agreements, whether written or oral, that may exist between the parties regarding the same. No amendment or modifications to this Agreement or any waiver of any provision hereof shall be effective unless in writing signed by the party so to be bound thereby.

CLIENT ACKNOWLEDGES HAVING HAD AN OPPORTUNITY TO HAVE THE TERMS OF THIS AGREEMENT, AS WELL AS ANY ATTACHMENTS HERETO, REVIEWED BY LEGAL COUNSEL PRIOR TO THE EXECUTION HEREOF AND, FURTHER, CLIENT ACKNOWLEDGES THAT THE TERMS HEREIN ARE REASONABLE.

CONTRACTOR: HEPACO, LLC

BY: _____

Printed Name: Matt Woodson

Title: Project Manager

Date: 3/3/14 Time: 1100 ☒ a.m. ☐ p.m.

CLIENT: APP Jet Center

BY: _____

Printed Name: Quinn Redden

Title: General Manager

Date: 3/3/14 Time: 10:45 ☑ a.m. ☐ p.m.

HEPACO

Serious experience for serious times.

# EXHIBIT A - TIME AND MATERIALS RATE SCHEDULE

| | JOB CATEGORY | HOURLY RATES | | |
|---|---|---|---|---|
| | | Straight Time | Premium Rates | |
| | | | Overtime | Holiday Time |
| L1 | Principal/Officer | $200.00 | $300.00 | $400.00 |
| L2 | Specialist High Hazards | $172.00 | $258.00 | $344.00 |
| L3 | Specialist Chemical Transfer | $145.00 | $217.50 | $290.00 |
| L4 | Emergency Response Manager | $140.00 | $210.00 | $280.00 |
| L5 | Certified Industrial Hygienist | $134.00 | $201.00 | $268.00 |
| L6 | Project Manager | $120.00 | $180.00 | $240.00 |
| L7 | IT/Communication Manager | $110.00 | $165.00 | $220.00 |
| L8 | Technician High Hazards/Confined Space Rescue | $108.00 | $162.00 | $216.00 |
| L9 | Senior Health/Safety Specialist | $90.00 | $135.00 | $180.00 |
| L10 | Project Engineer, Senior Engineer, Geologist | $90.00 | $135.00 | $180.00 |
| L11 | Regulatory Manager | $85.00 | $127.50 | $170.00 |
| L12 | Technician Chemical Transfer | $81.00 | $121.50 | $162.00 |
| L13 | Chemist/T&D Coordinator, Soil Scientist | $80.00 | $120.00 | $160.00 |
| L14 | Safety & Training Specialist | $70.00 | $105.00 | $140.00 |
| L15 | Supervisor/General | $90.00 | $135.00 | $180.00 |
| L16 | Team Leader | $77.00 | $115.50 | $144.00 |
| L17 | Boat Operator | $88.00 | $132.00 | $176.00 |
| L18 | Foreman/General | $70.00 | $105.00 | $140.00 |
| L19 | Mech./Carp./Welder/Elect./Plumb. | $65.00 | $97.50 | $130.00 |
| L20 | Equipment Operator | $70.00 | $105.00 | $140.00 |
| L21 | Supervisor (ACM, Lead, IAQ) | $68.00 | $102.00 | $136.00 |
| L22 | Truck Driver | $80.00 | $120.00 | $160.00 |
| L23 | Spill Response Technician | $64.00 | $96.00 | $128.00 |
| L24 | Technician | $58.00 | $87.00 | $116.00 |
| L25 | Project Accountant | $44.00 | $66.00 | $88.00 |
| L26 | Foreman (ACM) | $50.00 | $75.00 | $100.00 |
| L27 | Technician – IAQ & Abatement | $46.00 | $69.00 | $92.00 |
| L28 | Administrative Assistant | $42.00 | $63.00 | $84.00 |
| L29 | Clerical | $40.00 | $60.00 | $80.00 |

| | | | |
|---|---|---|---|
| **PER DIEM** | | | |
| L30 | Motel (as needed basis) | Cost + 25% | |
| L31 | Per Diem | $95.00 per day | |
| L32 | Government Projects – Not to Exceed | FAR | |
| **PERSONAL PROTECTIVE EQUIPMENT (PPE)** | | | |
| PPE1 | Level A (per Person) – Includes First SCBA Bottle | $80.00 | per hour |
| PPE2 | Level B (per Person) – Includes First SCBA Bottle | $45.00 | per hour |
| PPE3 | Level C (per Person) – Includes First Set of Filters | $33.00 | per hour |
| PPE4 | Level D (per Person) | $10.00 | per hour |
| PPE5 | Turn Out Gear | $110.00 | per hour |
| PPE6 | Lock Out/Tag Out Kit | $10.00 | per hour |
| PPE7 | Full Body Harness | $12.00 | per hour |
| PPE8 | Emergency Burn Kit | $72.00 | per hour |
| PPE9 | Blood-Borne Pathogen Kit | $3.00 | per hour |

HEPACO
Serious experience for serious times.

## EXHIBIT A - TIME AND MATERIALS RATE SCHEDULE

| | | | |
|---|---|---|---|
| PPE10 | Portable Oxygen | $4.50 | per hour |
| PPE11 | Personnel Retrieval System | $47.00 | per hour |
| PPE12 | Retrieval Device (winch) | $21.00 | per hour |
| PPE13 | Cascade Air System | $19.00 | per hour per man |
| PPE14 | Breathing Air Line | $0.95 | per hour per foot |
| PPE15 | Escape Pack (5 minute) | $6.50 | per hour |
| PPE16 | High Pressure Compressor (Grade D) | $41.00 | per hour |
| PPE17 | Portable H.P. Vessel | $79.00 | per hour |
| PPE18 | SCBA Bottles - Refill | $40.00 | each |
| PPE19 | Portable Eye Wash Station | $8.50 | per hour |
| PPE20 | Air Filtration Panel w/Alarms | $33.00 | per hour |
| PPE21 | Chest Waders | $10.00 | per hour |
| PPE22 | First Aid Station | $7.00 | per hour *(plus expendables)* |
| PPE23 | Life Jacket | $5.00 | per hour |
| PPE24 | Cool Vest | $15.00 | per hour |
| PPE25 | Flash Suits | $41.00 | per hour |
| PPE26 | Rain Suits | $6.00 | per hour |
| PPE27 | Nomex Coveralls | $28.00 | per hour |
| PPE28 | Orange Safety Vests | $1.00 | per hour |
| PPE29 | Wader Boots | $6.00 | per hour |
| PPE30 | PVC Steel Toe Boots | $8.00 | per hour |
| PPE31 | Steel Toe Rubber Boots | $6.00 | per hour |
| PPE32 | Chemical Boots | $9.00 | per hour |
| PPE33 | Firefighting Boots | $22.00 | per hour |
| PPE34 | Lanyard | $5.00 | per hour |
| **VEHICLES – ROLLING STOCK** | | | |
| V1 | Mobile Command Center (53') | $185.00 | per hour |
| V2 | Command Center Trailer (30') | $96.00 | per hour |
| V3 | Emergency Response Trailer (12' to 14') | $60.00 | per hour |
| V4 | Emergency Response Trailer (24') | $90.00 | per hour |
| V5 | Emergency Response Trailer (32') | $105.00 | per hour |
| V6 | Chemical Transfer Trailer | $100.00 | per hour |
| V7 | Boom Trailer 18' (Boom not included) | $36.00 | per hour |
| V8 | Boom Trailer 24' (Boom not included) | $47.00 | per hour |
| V9 | Decontamination Trailer | $38.00 | per hour |
| V10 | End Dump Trailer | $65.00 | per hour |
| V11 | Road Tractor | $85.00 | per hour |
| V12 | Stainless Steel Vac Tanker | $115.00 | per hour |
| V13 | Stainless Steel Tanker | $100.00 | per hour |
| V14 | Tanker with Vain Pump | $92.00 | per hour |
| V15 | 406 Tanker | $85.00 | per hour |
| V16 | Frame Truck | $60.00 | per hour |
| V17 | 10 Ton Boom Truck | $63.00 | per hour |
| V18 | 15 Ton Boom Truck | $67.00 | per hour |
| V19 | Service Truck | $42.00 | per hour |
| V20 | Flat Trailer (up to 10 ton) | $10.00 | per hour |
| V21 | Flat Trailer (10 ton - 25 ton) | $35.00 | per hour |

## EXHIBIT A - TIME AND MATERIALS RATE SCHEDULE

| | | | |
|---|---|---|---|
| V22 | Flat Trailer (25 ton - 55 ton) | $45.00 | per hour |
| V23 | VTU Trailer | $16.00 | per hour |
| V24 | 12' - 16' Utility Trailer | $20.00 | per hour |
| V25 | Vacuum Truck (3,000 - 3,500 Gal.) | $145.00 | per hour |
| V26 | Liquid Ring Vacuum Truck | $175.00 | per hour |
| V27 | Air Mover Vacuum Truck w/Rotary Vane | $200.00 | per hour |
| V28 | Hydroblast Truck | $260.00 | per hour |
| V29 | HyRail Vacuum Truck | $285.00 | per hour |
| V30 | Vacuum Truck/Trailer Clean Out Charge | $400.00 | each |
| V31 | Vec Loader (Stainless Steel)/Vac Boss | $240.00 | per hour |
| V32 | Vacuum Trailer (1,200 Gal.) | $45.00 | per hour |
| V33 | Thermal Oxidizer Unit | $3,200.00 | per week |
| V34 | Pick-up Truck (3/4 Ton and 1/2 Ton) | $18.00 | per hour |
| V35 | Pick-up Truck (Crew Cab 3/4 Ton) | $24.00 | per hour |
| V36 | Pick-Up Truck (Crew Cab 1 Ton) | $19.00 | per hour |
| V37 | Pick-up Truck (4 Wheel Drive) | $22.00 | per hour |
| V38 | 1 Ton Flatbed | $25.00 | per hour |
| V39 | 1 Ton Flatbed (Crew Cab) | $24.00 | per hour |
| V40 | 1 Ton Flatbed (4 Wheel Drive) | $25.00 | per hour |
| V41 | 1 Ton Flatbed (Crew Cab/4 Wheel Drive) | $32.00 | per hour |
| V42 | Sport Utility Vehicle | $25.00 | per hour |
| V43 | ATV Vehicles | $35.00 | per hour |
| V44 | Crew Van | $20.00 | per hour |
| V45 | Passenger Sedan | $20.00 | per hour |
| V46 | Box Truck (16' to 24') | $32.00 | per hour |
| V47 | Box Truck (10' to 15') | $22.00 | per hour |
| V48 | Cube Van | $18.00 | per hour |
| V49 | Dump Truck | $56.00 | per hour |
| V50 | Box Trailer | $10.00 | per hour |
| V51 | High Pressure Type C Compressor & Trailer | $77.00 | per hour |
| V52 | Ventilation/Decontamination Trailer | $200.00 | per hour |
| V53 | Fire Truck | $250.00 | per hour |
| V54 | UTV | $93.00 | per hour |
| V55 | Crane Truck | $225.00 | per hour |
| V56 | Vehicle Use - Pick-Ups, Vans, Cars | $0.50 | per mile |
| V57 | Vehicle Use – Large Trucks | $1.87 | per mile |
| V58 | Decontamination Charge | Cost + 25% | |
| V59 | Miscellaneous Rentals | Cost + 25% | |
| **BOATS AND MARINE EQUIPMENT** | | | |
| B1 | 21 Ft. Seacat - (Twin Screw) | $90.00 | per hour |
| B2 | Sea Doo | $70.00 | per hour |
| B3 | Workboat (50' - 59') | $250.00 | per hour |
| B4 | Workboat (40' - 49') | $220.00 | per hour |
| B5 | Workboat (30' - 39') | $175.00 | per hour |
| B6 | Workboat (20' - 29') | $57.00 | per hour |
| B7 | Workboat (17' - 19') | $34.00 | per hour |
| B8 | Workboat (12' - 16') | $32.00 | per hour |

## EXHIBIT A - TIME AND MATERIALS RATE SCHEDULE

| | | | |
|---|---|---|---|
| B9 | Workboat (up to 12') | $12.00 | per hour |
| B10 | Boat Motor (15 - 30 HP) | $20.00 | per hour |
| B11 | Boat Motor (31 - 50 HP) | $40.00 | per hour |
| B12 | Boat Motor (51 - 100 HP) | $60.00 | per hour |
| B13 | Boat Motor (101 - 150 HP) | $80.00 | per hour |
| B14 | Boat Motor (151 - 200 HP) | $100.00 | per hour |
| B15 | Boat Motor (201 - 250 HP) | $120.00 | per hour |
| B16 | OSRV 65' Crew Workboat | $350.00 | per hour |
| B17 | Anchor (10 - 100 lb.) | $5.00 | per hour |
| **HEAVY EQUIPMENT** | | | |
| HEQ1 | Backhoe 416B *or equivalent* | $40.00 | per hour |
| HEQ2 | Backhoe 416B - Extend-A-Hoe/4-in-one Bucket *or equivalent* | $48.00 | per hour |
| HEQ3 | Backhoe 416B - 4WD Extend-A-Hoe/4-in-one Bucket *or equivalent* | $54.00 | per hour |
| HEQ4 | Backhoe 416C IT *or equivalent* | $58.00 | per hour |
| HEQ5 | Bobcat *or equivalent* | $36.00 | per hour |
| HEQ6 | Bobcat Sweeper Attachment (when rented with Bobcat) *or equivalent* | $10.00 | per hour |
| HEQ7 | Bobcat Sweeper Brush Wear in addition to Sweeper Rental | $150.00 | per inch diameter |
| HEQ8 | Bobcat Fork Attachment *or equivalent* (when rented with Bobcat) | $10.00 | per hour |
| HEQ9 | Bobcat Trailer *or equivalent* (when rented with Bobcat) | $10.00 | per hour |
| HEQ10 | 5000-Lb Forklift – All Terrain 4 x 4 | $60.00 | per hour |
| HEQ11 | Forklift – Telescopic Boom Material Handler | $50.00 | per hour |
| HEQ12 | 1/2 Yard Skid Steer | $50.00 | per hour |
| HEQ13 | JD 544 Rubber Tire Loader *or equivalent* | $68.00 | per hour |
| HEQ14 | JD 644 Rubber Tire Loader *or equivalent* | $92.00 | per hour |
| HEQ15 | JD 744 Rubber Tire Loader *or equivalent* | $156.00 | per hour |
| HEQ16 | CAT 943 Track Loader *or equivalent* | $59.00 | per hour |
| HEQ17 | CAT 953 Track Loader *or equivalent* | $89.00 | per hour |
| HEQ18 | CAT 963 Track Loader *or equivalent* | $105.00 | per hour |
| HEQ19 | Mini Excavator | $49.00 | per hour |
| HEQ20 | PC 150 Excavator *or equivalent* | $78.00 | per hour |
| HEQ21 | PC 220 Excavator *or equivalent* | $117.00 | per hour |
| HEQ22 | PC 300 Excavator *or equivalent* | $130.00 | per hour |
| HEQ23 | D4 Bulldozer *or equivalent* | $69.00 | per hour |
| HEQ24 | D5 Bulldozer *or equivalent* | $78.00 | per hour |
| HEQ25 | D6 Bulldozer *or equivalent* | $111.00 | per hour |
| HEQ26 | Hydraulic Drum/Claw Grappler | $48.00 | per hour |
| HEQ27 | Double Barrel Fork Lift Grappler | $10.00 | per hour |
| HEQ28 | Hydraulic Shears 490 Ton | $165.00 | per hour |
| HEQ29 | Hydraulic Shears 200 Ton | $81.00 | per hour |
| HEQ30 | Hydraulic Ho-Ram 215/330 | $35.00 | per hour |
| HEQ31 | Hydraulic Ho-Ram 580 | $19.00 | per hour |
| HEQ32 | Hydraulic Ho Ram Bobcat | $13.00 | per hour |
| HEQ33 | Hydraulic Power Pack | $115.00 | per hour |

## EXHIBIT A - TIME AND MATERIALS RATE SCHEDULE

| | | | |
|---|---|---|---|
| HEQ34 | Man Lift - Scissor to 26' | $27.00 | per hour |
| HEQ35 | Man Lift - Snorkel to 40' | $44.00 | per hour |
| HEQ36 | Drill Rig - Mobile B47 | $260.00 | per hour |
| HEQ37 | Drill Rig - Mobile B53, 4WD | $330.00 | per hour |
| HEQ38 | Geoprobe Direct Push Sampler | $240.00 | per hour |
| HEQ39 | Pressure Grouting Machine | $260.00 | per hour |
| HEQ40 | Beach Tech 2000 | $345.00 | per hour |
| HEQ41 | Beach Tech 3000 | $428.00 | per hour |
| HEQ42 | Farm Tractor (< 50 HP) | $55.00 | per hour |
| HEQ43 | Farm Tractor (50 - 90 HP) | $75.00 | per hour |
| HEQ44 | Farm Tractor (91 - 150 HP) | $120.00 | per hour |
| HEQ45 | Brush Hog | $30.00 | per hour |
| HEQ46 | Maintenance & Mobilization | Cost + 25% | |
| **RECOVERY / TREATMENT / STORAGE EQUIPMENT** | | | |
| R1 | 72" Barrel Skimmer | $182.00 | per hour |
| R2 | 36" Barrel Skimmer | $100.00 | per hour |
| R3 | Manta Ray Skimmer | $68.00 | per hour |
| R4 | Duck Bill Skimmer | $37.00 | per hour |
| R5 | High Speed Weir Skimmer 450 HP | $150.00 | per hour |
| R6 | Oil Mop w/100' x 4" Mop | $59.00 | per hour |
| R7 | Oil Recovery System Scavenger | $19.00 | per hour |
| R8 | Up to 17" Containment Boom (per foot) | $0.28 | per hour |
| R9 | 18" Containment Boom (per foot) | $0.35 | per hour |
| R10 | Shower Filtration Pump | $6.00 | per hour |
| R11 | Centrifugal Pump | $40.00 | per hour + REBUILD |
| R12 | Pneumatic Pump | $44.00 | per hour + REBUILD |
| R13 | B-K Hand Pump | $9.00 | per hour + REBUILD |
| R14 | GrandFos 2" Redi-flo Pump | $18.00 | per hour + REBUILD |
| R15 | 1" Electric Pump | $8.00 | per hour + REBUILD |
| R16 | 1" Polypropylene Pump | $16.00 | per hour + REBUILD |
| R17 | 1-1/2" Double Diaphragm Pump | $29.00 | per hour + REBUILD |
| R18 | Submersible (2") Pump | $37.00 | per hour + REBUILD |
| R19 | 2" Viton Pump | $44.00 | per hour + REBUILD |
| R20 | 2" Stainless Steel Diaphragm Pump | $31.00 | per hour + REBUILD |
| R21 | 2" Diaphragm Pump | $31.00 | per hour + REBUILD |
| R22 | 2" Trash Pump | $24.00 | per hour + REBUILD |
| R23 | 3" Diaphragm Pump | $35.00 | per hour + REBUILD |
| R24 | 3" Stainless Steel Pump | $38.00 | per hour + REBUILD |
| R25 | 3" Trash Pump | $28.00 | per hour + REBUILD |
| R26 | 4" Trash Pump | $35.00 | per hour + REBUILD |
| R27 | 4" Diaphragm Pump | $38.00 | per hour + REBUILD |
| R28 | PVC Siphon Pump | $10.00 | per hour + REBUILD |
| R29 | Corken Pump | $107.00 | per hour + REBUILD |
| R30 | Rotary Vain Pump (3") | $82.00 | per hour + REBUILD |
| R31 | ¾" – 1" Acid Hose | $2.78 | per foot per hour |
| R32 | Air Tool Hose | $0.20 | per foot per hour |
| R33 | Industrial Water Hose | $0.12 | per foot per hour |

## EXHIBIT A - TIME AND MATERIALS RATE SCHEDULE

| | | | |
|---|---|---|---|
| R34 | Fire Hose | $1.38 | per foot per hour |
| R35 | 2" Discharge Hose | $0.41 | per foot per hour |
| R36 | 3" Discharge Hose | $0.70 | per foot per hour |
| R37 | 2" Chemical Suction Hose | $3.30 | per foot per hour |
| R38 | 3" Chemical Suction Hose | $5.22 | per foot per hour |
| R39 | 2" Reg. Suction Hose | $0.83 | per foot per hour |
| R40 | 3" Reg. Suction Hose | $1.26 | per foot per hour |
| R41 | 4"/6" Reg. Suction Hose | $1.95 | per foot per hour |
| R42 | 4"/6" Chemical Suction Hose | $6.50 | per foot per hour |
| R43 | Flex Vacuum Hose (Up to 6" diameter) | $0.57 | per foot per hour |
| R44 | 6" Aluminum Vacuum Pipe | $1.70 | per foot per hour |
| R45 | 6" Aluminum Fittings (90's, 45's, etc.) | $5.75 | per hour |
| R46 | 6" Aluminum Wye's | $13.25 | per hour |
| R47 | Hydraulic Hose | $1.00 | per foot per hour |
| R48 | Steam Hose | $4.50 | per foot per hour |
| R49 | Anhydrous Ammonia Hose | $6.76 | per foot per hour |
| R50 | Liquefied Petroleum Gas Hose | $5.00 | per foot per hour |
| R51 | Monel/Chlorine Hose | $11.00 | per foot per hour |
| R52 | Polyethylene, Cross Link Hose | $2.88 | per foot per hour |
| R53 | Teflon, Rubber Jacketed Hose | $7.50 | per foot per hour |
| R54 | Teflon, Stainless Steel Wrapped Hose (1") | $7.50 | per foot per hour |
| R55 | Teflon, Stainless Steel Wrapped Hose (2") | $10.50 | per foot per hour |
| R56 | Stainless Steel Transfer Hose (2") | $4.12 | per foot per hour |
| R57 | Stainless Steel Transfer Hose (1") | $3.50 | per foot per hour |
| R58 | Truck Mounted Compressor | $22.00 | per hour |
| R59 | 10 – 15 CFM Air Compressor | $17.00 | per hour |
| R60 | 125 CFM Air Compressor | $18.00 | per hour |
| R61 | 185 CFM Air Compressor | $21.00 | per hour |
| R62 | 375 CFM Air Compressor | $30.00 | per hour |
| R63 | 825 CFM Compressor | $54.00 | per hour |
| R64 | Corken Compressor | $137.00 | per hour + REBUILD |
| R65 | Boiler (up to 40 HP) | $100.00 | per hour |
| R66 | Boiler (40 - 75 HP) | $180.00 | per hour |
| R67 | Digital Tachometer | $3.00 | per hour |
| R68 | Standard Fittings Charge for Transfer | $69.00 | per hour |
| R69 | Inert Purging System (nitrogen not included) | $27.00 | per hour |
| R70 | Betts Emergency Unloading Fixture | $96.00 | per hour |
| R71 | Holding Pool 10K (w/o Liner) | $30.00 | per hour |
| R72 | Holding Pool 50K (w/o Liner) | $56.00 | per hour |
| R73 | Flash Mixer | $8.00 | per hour |
| R74 | Fuel Cell (50 Gal.) | $10.00 | per hour |
| R75 | Poly/Steel Tank 250 to 500 Gal. | $7.00 | per hour |
| R76 | Poly Tote 250 to 350 Gal. | $18.00 | per hour |
| R77 | Poly Tank 501 to 1,000 Gal. | $13.00 | per hour |
| R78 | Poly Tank 1,001 to 2,000 Gal. | $19.00 | per hour |
| R79 | Poly Tank 2,001 to 2,500 Gal. | $28.00 | per hour |
| R80 | Poly Tank 2,501 to 5,000 Gal. | $50.00 | per hour |
| R81 | 21,000 Gallon Frac Tank | $13.00 | per hour |

## EXHIBIT A - TIME AND MATERIALS RATE SCHEDULE

| | | | |
|---|---|---|---|
| R82 | 21,000 Gallon Frac Tank Stainless | $31.00 | per hour |
| R83 | Roll Off Box | $5.00 | per hour |
| R84 | Sludge Box | $6.00 | per hour |
| R85 | Hazwaste Box | $9.00 | per hour |
| R86 | Vacuum Box | $10.00 | per hour |
| R87 | Drum Vacuum - single head | $32.00 | per hour |
| R88 | Drum Vacuum - dual head | $38.00 | per hour |
| R89 | Mixing Bucket Attachment | $65.00 | per hour |
| R90 | Mobile Groundwater Treatment Unit | $190.00 | per hour |
| R91 | Mobile Liquid Ring Groundwater Treatment Unit | $275.00 | per hour |
| R92 | Oil Water Separator (10 GPM) | $95.00 | per hour |
| R93 | 2" Portable Bag Filter (100 GPM) | $180.00 | per hour |
| R94 | Carbon Filter (800 - 1,200 lb.) | $130.00 | per hour |
| R95 | Carbon Filter (400 lb.) | $95.00 | per hour |
| R96 | Carbon Filter (200 lb.) | $75.00 | per hour |
| R97 | Haz Hammock | $55.00 | per hour |
| R98 | Skim Pack | $80.00 | per hour |
| R99 | Brush Skimmer | $125.00 | per hour |
| R100 | Hose & Equipment, Cleaning, Repair | Cost + 25% | |
| **MISCELLANEOUS EQUIPMENT** | | | |
| ME1 | Tent | $28.00 | per hour |
| ME2 | Portable Light Stand | $37.00 | per hour |
| ME3 | Intrinsically Safe Light | $18.00 | per hour |
| ME4 | Light Plant | $38.00 | per hour |
| ME5 | Water Heater | $9.00 | per hour |
| ME6 | Space Heater | $12.00 | per hour |
| ME7 | Pipe Threader/Tripart Pipe Stand/Roller Stand | $47.00 | per hour |
| ME8 | Portable Lights | $5.00 | per hour |
| ME9 | Water Cooler | $2.00 | per hour |
| ME10 | Safety Fence | $1.00 | per foot per hour |
| ME11 | Air Tank | $2.00 | per hour |
| ME12 | Drain Pan | $2.00 | per hour |
| ME13 | Pump Sprayer | $5.00 | per hour |
| ME14 | Mop Bucket | $3.00 | per hour |
| ME15 | Drill | $5.00 | per hour |
| ME16 | Sawzall | $5.00 | per hour |
| ME17 | Pig Tail | $4.00 | per hour |
| ME18 | Sand Blaster | $19.00 | per hour |
| ME19 | 350 AMP Welder | $45.00 | per hour |
| ME20 | Cutting Torch | $3.00 | per hour |
| ME21 | GFCI Plugs | $4.00 | per hour |
| ME22 | GFI Circuit Panel Boards | $16.00 | per hour |
| ME23 | Battery Charger | $8.00 | per hour |
| ME24 | Generator - Up to 5 KW | $27.00 | per hour |
| ME25 | Generator - 6-30 KW | $45.00 | per hour |
| ME26 | Generator - 30-50 KW | $60.00 | per hour |
| ME27 | Generator - 51-100 KW | $75.00 | per hour |
| ME28 | Extension Cords (Each) | $3.00 | per hour |

## EXHIBIT A - TIME AND MATERIALS RATE SCHEDULE

| | | | |
|---|---|---|---|
| ME29 | Grounding Cable & Rod (Each) | $10.00 | per hour |
| ME30 | Airless Sprayer - Standard | $10.00 | per hour |
| ME31 | Airless Sprayer - 30 to 1 | $22.00 | per hour |
| ME32 | Airless Sprayer - 45 to 1 | $29.00 | per hour |
| ME33 | Steam Cleaner | $41.00 | per hour |
| ME34 | Pressure Cleaner – 2,500 psi | $48.00 | per hour |
| ME35 | Hot Water Pressure Washer 3,000/4,000 psi | $53.00 | per hour |
| ME36 | High Pressure Washer - 10,000 psi (28 gal/min) | $110.00 | per hour |
| ME37 | High Pressure Washer - 10,000 psi (70 gal/min) | $148.00 | per hour |
| ME38 | Scaffolding & Rigging (Per Section) | $7.00 | per hour |
| ME39 | Air Blower | $4.00 | per hour |
| ME40 | Roof Saw | $34.00 | per hour |
| ME41 | Chain Saw | $15.00 | per hour |
| ME42 | Skill Saw | $6.00 | per hour |
| ME43 | Cut Off Saw | $34.00 | per hour |
| ME44 | Weedeater | $6.00 | per hour |
| ME45 | Power Broom - Handheld | $40.00 | per hour |
| ME46 | Street Broom - Ride On 8' | $60.00 | per hour |
| ME47 | Sod Cutter | $12.00 | per hour |
| ME48 | Mechanical Tamper | $50.00 | per hour |
| ME49 | Wind Resistant DOT Sign Stand | $12.00 | per hour |
| ME50 | Lane Closure Sign | $4.00 | per hour |
| ME51 | DOT Barrel with Base | $2.00 | per hour |
| ME52 | 36" DOT Traffic Cone | $1.50 | per hour |
| ME53 | Stop/Slow Hand Held Sign | $1.00 | per hour |
| ME54 | Traffic Flags | $1.00 | per hour |
| ME55 | Triangle Reflector | $1.00 | per hour |
| ME56 | Ventilator | $20.00 | per hour |
| ME57 | Triangle Flare Kit | $2.00 | per hour |
| ME58 | Drum Wrench | $2.00 | per hour |
| ME59 | Infrared VAT Machine | $20.00 | per hour |
| ME60 | Concrete Saw (Walk Behind) | $22.00 | per hour |
| ME61 | Shop Vac | $3.00 | per hour |
| ME62 | Mercury Vac | $35.00 | per hour |
| ME63 | HEPA Vac | $22.00 | per hour |
| ME64 | Back Vac | $11.00 | per hour |
| ME65 | AFD/Negative Air Machine (w/o Filters) | $19.00 | per hour |
| ME66 | Non-Sparking Tool Set (Reconditioning Additional, if required) | $38.00 | per hour |
| ME67 | Tanker Tapping Kit | $41.00 | per hour |
| ME68 | Dome Clamps (Each) | $8.00 | per hour |
| ME69 | Midland Kit | $195.00 | per hour |
| ME70 | "A", "B", or "C" Kit | $135.00 | per hour |
| ME71 | Tank Cleaning Nozzles 2" | $18.00 | per hour |
| ME72 | Tank Cutter | $5.00 | per hour |
| ME73 | Demolition Hammer | $32.00 | per hour |
| ME74 | Floor Scrubber | $12.00 | per hour |
| ME75 | Inert Gas Powered Tools (Each) | $41.00 | per hour |

## EXHIBIT A - TIME AND MATERIALS RATE SCHEDULE

| | | | |
|---|---|---|---|
| ME76 | Air Tools (Each) | $6.00 | per hour |
| ME77 | Debris Cart | $4.00 | per hour |
| ME78 | Wheelbarrow | $2.00 | per hour |
| ME79 | Pallet Jack | $12.00 | per hour |
| ME80 | Step Ladders | $2.00 | per hour |
| ME81 | Extension Ladders | $6.00 | per hour |
| ME82 | Quick Frame II | $850.00 | per hour |
| ME83 | Quick Frame III | $1,275.00 | per hour |
| ME84 | Pro Mag VI | $3,300.00 | per hour |
| ME85 | Fuel Cans | $2.00 | per hour |
| ME86 | Blast Protection Shield | $32.00 | per hour |
| ME87 | Cylinder Containment Device | $200.00 | per hour |
| ME88 | Cylinder Tapping Device | $400.00 | per hour |
| ME89 | Drum Dolly | $6.00 | per hour |
| ME90 | Drum Lifter | $7.00 | per hour |
| ME91 | Drum Opener (Remote) | $63.00 | per hour |
| ME92 | Drum Sling | $9.00 | per hour |
| ME93 | Drum Hoist | $8.00 | per hour |
| ME94 | Portable Shower | $9.00 | per hour |
| ME95 | Portable Latrine | $12.00 | per hour |
| ME96 | Rotary Brush & Air Wash System | $27.00 | per hour |
| ME97 | Carpet Extractor (4 Gallon) | $22.00 | per hour |
| ME98 | Air Mover Fan | $9.00 | per hour |
| ME99 | Wall Drying Device | $34.00 | per hour |
| ME100 | Dehumidifier | $26.00 | per hour |
| ME101 | Air Scrubber (Filters not included) | $47.00 | per hour |
| ME102 | Fire Extinguisher | $5.00 | per hour |
| ME103 | Field/Brush Mower | $23.00 | per hour |
| ME104 | Miscellaneous | Cost + 25% | |
| **MATERIALS/DISPOSABLES** | | | |
| M1 | Sandblasting Sand (50 Lb.) | $32.00 | each |
| M2 | Filtration Sand (No. 20) | $25.00 | each |
| M3 | Carbon GAX (40 - 50 Lb. Bag) | $240.00 | each |
| M4 | Oil Pillows | $9.00 | each |
| M5 | Kwik Clean Sorbent | $42.00 | bag |
| M6 | Oil Snare on Rope | $110.00 | each |
| M7 | Oil Snare | $96.00 | each |
| M8 | Absorbent Roll | $220.00 | each |
| M9 | Absorbent Sweep | $140.00 | bale |
| M10 | Absorbent Clay (50 Lb.) | $15.00 | each |
| M11 | Citric Acid (50 Lb.) | $153.00 | each |
| M12 | Hydrochloric Acid | $7.00 | gallon |
| M13 | Lime (Bag) | $20.00 | each |
| M14 | Lime, Posi/Kiln (Drum) | $240.00 | each |
| M15 | Oil Dry (Bag) | $10.00 | each |
| M16 | Vermiculite (Bag) | $22.00 | each |
| M17 | Soda Ash (50 Lb. Bag) | $45.00 | each |

## EXHIBIT A - TIME AND MATERIALS RATE SCHEDULE

| | | | |
|---|---|---|---|
| M18 | Sodium Hypochlorite Solution, 15% | $9.50 | gallon |
| M19 | Sulfamic Acid (50 Lb.) | $57.00 | bag |
| M20 | Sulfur Powder | $79.00 | bag |
| M21 | Oil Gator (30 Lb. Bag) | $50.00 | each |
| M22 | Sphag – Oil Sorb (Bag) | $32.00 | each |
| M23 | Acid Gator (25 Lb. Bag) | $47.00 | each |
| M24 | Gator Wash/Shure Solve/Citra Solve | $90.00 | gallon |
| M25 | Stabilizers & Inhibitors | $35.00 | gallon |
| M26 | 12 x 16 Tarp | $35.00 | each |
| M27 | Caution Tape | $32.00 | each |
| M28 | Decon Chamber | $260.00 | each |
| M29 | Decon Pod 35 Gal. | $300.00 | each |
| M30 | Decon Pool 100 Gal. | $150.00 | each |
| M31 | Towels | $8.00 | each |
| M32 | Spray Adhesive | $17.00 | each |
| M33 | Encapsulant (Gallon) | $18.00 | each |
| M34 | Mastic Remover (Gallon) | $18.00 | each |
| M35 | Glovebag | $27.00 | each |
| M36 | Asbestos Bag Printed - 6 Mil | $4.00 | each |
| M37 | Trash Bag | $2.00 | each |
| M38 | Detergent | $9.00 | each |
| M39 | Cotton Rags (per pound) | $3.00 | each |
| M40 | Acid Socks | $40.00 | each |
| M41 | Petroleum Socks | $20.00 | each |
| M42 | 3" x 4" Mini-Boom | $75.00 | each |
| M43 | Absorbent Pads – Chemical | $15.00 | each |
| M44 | Trash Can | $28.00 | each |
| M45 | 5 Gallon Bucket | $15.00 | each |
| M46 | 5 Gallon Biohazard Disposal Package | $245.00 | each |
| M47 | 610 Polyethylene | $80.00 | each |
| M48 | 420 Polyethylene | $60.00 | each |
| M49 | 620 Polyethylene | $165.00 | each |
| M50 | 1020 Polyethylene | $175.00 | each |
| M51 | 10,000 Gallon PVC Pool Liners | $370.00 | each |
| M52 | 25,000 Gallon PVC Pool Liners | $792.00 | each |
| M53 | 50,000 Gallon PVC Pool Liners | $1,074.00 | each |
| M54 | Poly Bags - 6 Mil | $3.00 | each |
| M55 | Duct Tape | $12.00 | each |
| M56 | DOT & Hazardous Waste Labels | $5.00 | each |
| M57 | Cubic Yard Box | $108.00 | each |
| M58 | Cubic Yard Box Liner | $68.00 | each |
| M59 | Fluorescent Tube Box 4' | $36.00 | each |
| M60 | Fluorescent Tube Box 8' | $39.00 | each |
| M61 | Flex Pack Cubic Yard | $167.00 | each |
| M62 | 55 Gallon Drum Liners - 10 Mil | $6.00 | each |
| M63 | Roll Off Liners | $75.00 | each |
| M64 | 17H/E 55 Gallon Drums | $95.00 | each |
| M65 | 17H/E 55 Gallon - Reconditioned Drums | $65.00 | each |

## EXHIBIT A - TIME AND MATERIALS RATE SCHEDULE

| | | | |
|---|---|---|---|
| M66 | Fiber Drums - 5 Gallons | $54.00 | each |
| M67 | Fiber Drums – 30 to 40 Gallons | $65.00 | each |
| M68 | 15 Gallon Poly/Steel Drums | $55.00 | each |
| M69 | 20 Gallon Poly/Steel Drums | $60.00 | each |
| M70 | 30 Gallon Poly/Steel Drums | $71.00 | each |
| M71 | 55 Gallon Poly Drums | $80.00 | each |
| M72 | 85 Gallon Recovery Drums - Steel | $226.00 | each |
| M73 | 95 Gallon Recovery Drums - Plastic | $285.00 | each |
| M74 | Drum Sucker, PVC, 2" | $81.00 | each |
| M75 | Absorbent Boom - Disposable - 4" | $90.00 | each |
| M76 | Absorbent Boom - Disposable - 5" | $214.00 | each |
| M77 | Absorbent Boom - Disposable - 8" | $176.00 | each |
| M78 | Absorbent Pads (Bundle) | $125.00 | each |
| M79 | 50 Micron Filters | $10.00 | each |
| M80 | 25 Micron Filters | $11.00 | each |
| M81 | 5 Micron Filters | $25.00 | each |
| M82 | Cloth Gloves | $4.50 | each |
| M83 | Neoprene Gloves | $14.00 | each |
| M84 | Leather Work Gloves (Pair) | $21.00 | each |
| M85 | Cotton Glove Liner (Pair) | $3.50 | each |
| M86 | Natural Rubber Gloves (Pair) | $41.00 | each |
| M87 | Nitrile Gloves (Pair) | $19.50 | each |
| M88 | Silver Shield Gloves (Pair) | $37.00 | each |
| M89 | Latex Gloves (Pair) | $1.00 | each |
| M90 | Butyl Gloves | $40.00 | each |
| M91 | PVC or PVA Gloves | $40.00 | each |
| M92 | Nomex Gloves | $112.00 | each |
| M93 | Acid Suits | $165.00 | each |
| M94 | Polypropylene Suit | $7.00 | each |
| M95 | Coated Tyvek Suit | $30.00 | each |
| M96 | Tyvek Suit | $11.50 | each |
| M97 | Level A Suits | $1,100.00 | each |
| M98 | Level B Suits | $435.00 | each |
| M99 | CPF2 Bonded Suit | $48.50 | each |
| M100 | CPF2 Taped Suit | $44.00 | each |
| M101 | Saranex/with hoods | $28.00 | each |
| M102 | Saranex/without hoods | $22.00 | each |
| M103 | Latex Over-Boots | $7.50 | each |
| M104 | Boot Covers | $6.25 | each |
| M105 | Fire Extinguisher - Recharge | $40.00 | each |
| M106 | $CO_2$ Bottle Recharge | $30.00 | each |
| M107 | Hazard Tape (Roll) | $35.00 | each |
| M108 | Plug & Patch Kit | $95.00 | each |
| M109 | Wood Plug Kit | $75.00 | each |
| M110 | SP3 Cartridges | $15.00 | each |
| M111 | OVP 100 Cartridges | $18.00 | each |
| M112 | P100 Dust/Mist Respirator Filter | $27.00 | pair |
| M113 | Combination Cartridges | $22.00 | each |

## EXHIBIT A - TIME AND MATERIALS RATE SCHEDULE

| | | | |
|---|---|---|---|
| M114 | Acid Gas Cartridges | $19.00 | each |
| M115 | CL/MV Cartridges | $60.00 | each |
| M116 | Mercury Cartridges | $38.00 | each |
| M117 | Mersorb, P-100 | $47.00 | each |
| M118 | HEPA Vacuum Bags | $275.00 | each |
| M119 | Primary AFD Filters | $5.00 | each |
| M120 | Secondary AFD Filters | $10.00 | each |
| M121 | HEPA AFD Filters | $150.00 | each |
| M122 | Splash Shields | $6.00 | each |
| M123 | Caution Signage | $10.00 | each |
| M124 | Batteries | $2.00 | each |
| M125 | Decontamination Pools | $120.00 | each |
| M126 | Decontamination Tool Drop Pools | $8.00 | each |
| M127 | Decontamination Brushes | $6.00 | each |
| M128 | Silicone Sealant (Tube) | $4.75 | each |
| M129 | Liquid Nails (Tube) | $4.50 | each |
| M130 | Butyl Sealant (Tube) | $5.50 | each |
| M131 | Mold & Mildew Spray Protectant (5 Gallons) | $150.00 | each |
| M132 | Disinfectant Cleaner (5 Gallons) | $70.00 | each |
| M133 | Evaporator Coil Cleaner | $68.00 | per gallon |
| M134 | Biosolve | $75.00 | per gallon |
| M135 | Microblaze | $77.00 | per gallon |
| M136 | Duct Liner Adhesive / Insulation Sealer (5 Gallons) | $270.00 | each |
| M137 | Fungicidal Protective Coating (5 Gallons) | $380.00 | each |
| M138 | Bioremediation Accelerator | $16.00 | per pound |
| M139 | Rupture Discs - General | $90.00 | each |
| M140 | Rupture Disc – 2.5" ICD | $144.00 | each |
| M141 | Rupture Disc – 3" ICD | $167.00 | each |
| M142 | Safety Glasses (Replacement) | $20.00 | each |
| M143 | Goggles/Face Shield | $28.00 | each |
| M144 | Chemical Classifier Strip | $27.00 | each |
| M145 | EPDM Nozzle Gasket (18" – 20") | $75.00 | each |
| M146 | Viton Nozzle Gasket (18" – 20") | $260.00 | each |
| M147 | Manway Gasket | $375.00 | each |
| M148 | pH Paper | $24.00 | per package |
| M149 | Sample Container | $3.00 | per hour |
| M150 | Monitoring Cassettes | $16.00 | each |
| M151 | Coliwasa Tubes | $23.00 | each |
| M152 | 1 Quart Sample Container Kit | $90.00 | per hour |
| M153 | Detector Tubes | $75.00 | each |
| M154 | Personnel Monitoring Badges (per contaminant) | $100.00 | each |
| M155 | Swipe Sample Collection Kit | $420.00 | each |
| M156 | Smart Ticket | $190.00 | each |
| M157 | Half-Face Negative Pressure Respirator *(w/o cartridges)* | $35.00 | each |
| M158 | Full-Face Negative Pressure Respirator *(w/o cartridges)* | $210.00 | each |
| M159 | Powered Air Purifying Respirator | $450.00 | each |
| M160 | Mercury Spill Kit | $185.00 | each |
| M161 | Miscellaneous | Cost + 25% | |

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## EXHIBIT A - TIME AND MATERIALS RATE SCHEDULE

| MONITORING/SAMPLING EQUIPMENT AND MATERIALS | | | |
|---|---|---|---|
| M/SE1 | PID Meter | $24.00 | per hour |
| M/SE2 | Portacount | $45.00 | per hour |
| M/SE3 | Audio Dosimeter | $17.00 | per hour |
| M/SE4 | Rotometer | $12.00 | per hour |
| M/SE5 | Monometer | $16.00 | per hour |
| M/SE6 | Soil Sample Kit | $20.00 | per hour |
| M/SE7 | Level A Suit Test Kit | $29.00 | per hour |
| M/SE8 | Sample Cooler | $4.00 | per hour |
| M/SE9 | Area Monitors (each) | $10.00 | per hour |
| M/SE10 | Chemical Guidance Manuals | $4.00 | per hour |
| M/SE11 | Hand Auger Stainless Steel | $5.00 | per hour |
| M/SE12 | Sludge Sampler | $5.00 | per hour |
| M/SE13 | Scales | $3.00 | per hour |
| M/SE14 | pH, SC Probes, Meter | $5.00 | per hour |
| M/SE15 | Water Level Indicator | $2.00 | per hour |
| M/SE16 | Pressure Transducer – week minimum | $600.00 | per week |
| M/SE17 | Data Logger - minimum 4 day rental | $140.00 | per day |
| M/SE18 | Toxic Gas Detectors (Individual Gas) | $9.00 | per hour |
| M/SE19 | Free Product Probe | $4.00 | per hour |
| M/SE20 | Automatic Sampler | $44.00 | per hour |
| M/SE21 | Surveying Equipment | $19.00 | per hour |
| M/SE22 | Sampler Pans (Stainless Steel) | $2.00 | per hour |
| M/SE23 | Tank Sampling Device | $9.00 | per hour |
| M/SE24 | Personnel Air Sampling Pumps (Low & Medium Flow) | $8.00 | per hour |
| M/SE25 | High Volume Air Sampling Pump | $20.00 | per hour |
| M/SE26 | Sample Pump Calibrator | $11.00 | per hour |
| M/SE27 | Oxygen Detector | $9.00 | per hour |
| M/SE28 | Explosion Meter | $9.00 | per hour |
| M/SE29 | Drager Pump | $6.00 | per hour |
| M/SE30 | Mono-Tox Detector | $16.00 | per hour |
| M/SE31 | 4 Gas Meter | $36.00 | per hour |
| M/SE32 | Hazardous Characterization Kit | $245.00 | per test |
| M/SE33 | Photographic Equipment (Plus Film & Development) | $27.00 | per day |
| M/SE34 | GPS Unit | $9.00 | per hour |
| M/SE35 | Weather Station | $6.00 | per hour |
| M/SE36 | Binoculars | $6.00 | per hour |
| M/SE37 | PID w/3 Gas Meter | $51.00 | per hour |
| M/SE38 | Radiation "Pancake" Meter | $27.00 | per hour |
| M/SE39 | Chlorine Monitor | $16.00 | per hour |
| M/SE40 | Mercury Monitor | $75.00 | per hour |
| M/SE41 | Heat Stress Monitor – WBGT | $33.00 | per hour |
| M/SE42 | HAZMAT Drager CMS Monitor | $50.00 | per hour |
| M/SE43 | IAQ Anderson 6 stage impactor | $32.00 | per hour |
| M/SE44 | IAQ, CO, $O_2$, Temperature, RH Monitor | $32.00 | per hour |
| M/SE45 | FID Meter | $31.00 | per hour |
| M/SE46 | Organic Vapor Analyzer | $27.00 | per hour |

## EXHIBIT A - TIME AND MATERIALS RATE SCHEDULE

| | | | |
|---|---|---|---|
| M/SE47 | Ground Field Resistance Meter | $38.00 | per hour |
| M/SE48 | Infrared Non Contact Thermometer | $11.00 | per hour |
| M/SE49 | TestNet Equipment | $275.00 | per hour |
| **COMMUNICATIONS EQUIPMENT** | | | |
| C1 | Portable Computer | $8.00 | per hour |
| C2 | Field Printer | $4.00 | per hour |
| C3 | Intrinsically Safe Communication Radios | $11.00 | per hour |
| C4 | Portable Communication Radios | $4.00 | per hour |
| C5 | Response Cellular Phones (Each) | $8.00 | per hour |
| C6 | Mobile Broadband Access Unit | $312.50 | per hour |
| C7 | Wireless Enabled Computer | $25.00 | per hour |
| C8 | Satellite Communications Unit | $687.50 | per hour |
| C9 | Remote Surveillance PTZ Camera | $81.25 | per hour |
| C10 | Digital Video Recorder | $150.00 | per hour |
| C11 | Video Camera | $23.00 | per hour |
| C12 | Internet Protocol Telephone | $18.75 | per hour |
| **DISPOSAL** | | | |
| D1 | Drum Storage (Each) | $25.00 | per day |
| D2 | Non-Haz Solids Disposal | $185.00 | per drum |
| D3 | Non-Haz Solids Disposal | $60.00 | per ton |
| D4 | Non Haz Liquids Disposal | $0.80 | per gallon |
| D5 | Non-Haz Sludge Disposal | $225.00 | per ton |
| D6 | Waste Transportation | Cost + 25% | |
| D7 | Miscellaneous Non-Haz Disposal | Cost + 25% | |
| D8 | Hazardous Waste Disposal | Cost + 25% | |
| **FUEL CHARGES** | | | |
| F1 | Fuel Surcharge | In Accordance With Paragraph 19 of the Reimbursement Terms & Conditions | |
| **SUBCONTRACTORS** | | | |
| S1 | Subcontractors | Cost + 25% | |
| **INSURANCE AND BONDING** | | | |
| I1 | Performance Bonds (if required) | 4% of All Costs | |
| I2 | Liability Insurance/Pollution Liability (Hazardous Materials and/or Emergency Response) | 6% of All Costs | |
| I3 | Liability Insurance (Asbestos, Lead, or Insulation | 4% of All Costs | |

**Reimbursement Terms and Conditions**

Reimbursement terms and conditions shall be as set forth in the Reimbursement Terms and Conditions for Time and Materials Contracts attached hereto and incorporated herein by reference.

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# REIMBURSEMENT TERMS AND CONDITIONS FOR TIME AND MATERIALS CONTRACTS

All listed unit rates for labor categories and equipment items in HEPACO's Time and Materials Rate Schedule shall apply whenever such labor and/or equipment are required by the nature of the work, or by the Client, to be either in direct use or available for use. All charges are on a "portal-to-portal" basis from our office and/or equipment, vehicle, and personnel dispatch points. Specific terms and conditions for reimbursement of direct job costs are discussed below.

1. **Mobilization/Demobilization**
   Rolling stock equipment (i.e., vehicles and trailers) and direct labor are charged to the project on a "portal-to-portal" basis. Also, all direct expenses associated with mobilization or demobilization, such as those incurred for crane rental or supply shipment, are billed directly to the Client, plus HEPACO's standard mark-up as shown on the Time and Materials Rate Schedule.

2. **Per Diem**
   HEPACO pays each of its field workers a per diem when he or she is involved in job-related work and travels more than 50 miles from his or her work base. Full per diem covers breakfast, lunch, dinner, laundry, and incidental expenses.

3. **Lodging Costs**
   HEPACO always seeks the most reasonably priced, practical lodging accommodations for its field crews. HEPACO crews are usually lodged two per room, except when accommodations for gender are required or in special circumstances approved by the Client. Supervisors, Project Managers, and other Senior Managers are lodged one per room. The Client is billed directly for all lodging costs plus HEPACO's standard mark-up as shown on the Time and Materials Rate Schedule.

4. **Premium Rates**
   Time-and-one-half on Saturdays, before 7:00 A.M. or after 4:00 P.M., and/or after employee has exceeded 40 hours or if transferred from another location. Holiday rates apply on Sundays and all legal holidays. Minimum of 4 hours per employee plus the daily rate (8 hour minimum) per vehicle and/or related equipment call out charge.

5. **Materials and Expenses**
   HEPACO charges for inventoried itemized materials at the rates listed on the Time and Materials Rate Schedule based upon current market conditions. If market conditions fluctuate and the prices of expendable items increase, HEPACO will invoice for such items on a Cost Plus twenty-five percent (25%) basis. Materials not generally obtained from inventory and not itemized on the Time and Materials Rate Schedule but purchased for the work are billed at their direct cost plus the mark-up shown on the Time and Materials Rate Schedule. Likewise, all direct expenses not itemized on the rate schedule but incurred as part of the work, such as subcontracted services, are billed at cost plus the listed mark-up. Insurance and Bonding is billed as shown on the Time and Materials Rate Schedule under Insurance and Bonding.

6. **Stand-By**
   HEPACO guarantees a minimum of 40 hours pay per week to its non-exempt employees when they are assigned to, and present on, a project. Therefore, labor stand-by due to adverse weather conditions or to delays incurred through no fault of HEPACO or its subcontractors will result in labor charges at Straight Time Rates for all stand-by hours up to 8 hours per day and 40 hours per week per worker. In addition, stand-by hours shall accrue toward overtime charges in the same manner as straight time work (see Item 4). During such periods, HEPACO may at its own discretion, demobilize workers if no adverse effect on job performance is caused. In such cases, the Client shall not be further charged for stand-by costs of such workers. The Client may request that workers by demobilized, but in such cases shall be responsible for demobilization costs and remobilization costs if required to properly conduct the project.

7. **Project Management Charges**
   HEPACO assigns a Project/Response Manager to every project. HEPACO's Project/Response Managers are experienced professionals who are responsible for directing HEPACO field supervisors, obligating company resources to a project, and providing technical guidance to projects. Clients are billed for reasonable time and expense spent or incurred by the Project/Response Managers due to periodic site visits, Client-requested meetings, and other activities deemed necessary to assure a properly run project. Additional Project/Response Managers or supervisory personnel may be assigned as deemed necessary by HEPACO.

8. **HEPACO Personnel**
   HEPACO personnel will be billed to the contract for the time required to mobilize, service, repair, coordinate, administer, demobilize, and restock all vehicles and equipment used in the performance of the contract (whether performed on or off site). These rates apply to HEPACO personnel and all personnel supervised on the project by HEPACO or its affiliates, whether HEPACO employees, HEPACO subsidiaries, or leased or temporary labor. Travel time for personnel shall be billed at the corresponding rate in the Time and Materials Rate Schedule. To ensure proper hydration, ice, water, and beverages will be provided to site personnel at a charge of $12.00 per day per person. This will appear as "Hydration Charge" on the invoice.

In the event any personnel scheduled above are engaged to provide testimony in any court, arbitration, or administrative proceeding, the rate for such person while testifying either at a deposition or hearing shall be two (2) times the hourly rate specified in the Time and Materials Rate Schedule.

**9. Terms of Payment**

All monies due and payable upon receipt of invoice. Payment not received by the 14th day will accrue interest of 18% per annum or the maximum finance charge allowed by law, whichever is less. Any attorney's fees, collection fees, arbitration fees, or other costs incurred in collecting any delinquent account shall be paid by the Client. Any time spent by HEPACO or its subsidiaries or affiliates in the collection of delinquent accounts shall be invoiced in accordance with the Time and Materials Rate Schedule and shall be paid by the Client.

Client shall, within seven (7) days of receipt of an invoice, communicate in writing to HEPACO any invoice errors, discrepancies, or disputes. The written notice must specifically state the portion in dispute and describe the dispute in such detail that HEPACO has full notice of the dispute. Client hereby agrees that failure to provide such written notice within seven (7) days of the invoice date constitutes waiver of any such dispute. If such communication is not made within this seven day period, the invoice will be deemed to be approved and shall be paid. If an error, discrepancy or dispute is identified, then the parties will endeavor to resolve it within an additional four (4) days. If no resolution is made within this time, the disputed amount will be excepted from the total invoice amount. The balance of the invoice shall be deemed approved and Client shall promptly pay such portion.

Under no circumstances shall the opinion or analysis of adjusters, auditors, consultants or other third parties have any bearing on the terms of payment. This includes, but is not limited to, the amounts owed to HEPACO by Client in accordance with the contract documents and the HEPACO Time and Materials Rate Schedule, as well as the time frames for notices and payment.

All claims, disputes, and other matters in question arising out of, or relating to, this Contract or any subcontract made or purchase order issued pursuant to this Contract, or the breach thereof, shall be decided by arbitration in accordance with the Construction Industry Rules of the American Arbitration Association in effect as of the date of this Agreement.

Notice of demand for arbitration shall be filed in writing with the American Arbitration Association and upon all proposed parties to such proceeding, and shall be filed within a reasonable time after the claim, dispute, or other matter in question has arisen, but in no event shall be made after the date when institution of legal or equitable proceedings based on such claim, dispute or other matter will be barred by the applicable statute of limitations. Any arbitration proceeding will be conducted in Charlotte, Mecklenburg County, North Carolina. The arbitration hearings will begin within 180 days of the date the demand for arbitration is served and continue on successive business days until completed. The prevailing party shall be entitled to recover not only attorney fees, but also the costs of the arbitration proceedings, including the fees paid to the American Arbitration Association and the arbitrators, witness fees, and the cost of preparing demonstrative exhibits. Notwithstanding the foregoing, Client acknowledges and agrees that Contractor retains the option to seek payment from the National Pollution Funds Center or Oil Spill Liability Trust Fund as previously set forth herein.

Where Client's Authorized Representative (or someone authorized by him or her for such purpose) has signed any daily reports submitted by HEPACO showing charges for any days, such charges shall be deemed accepted by Client for all purposes hereunder, and Client thereby waives the right to later object that such charges are invalid. (Provided, the absence of such daily reports and/or Client approval of such reports shall in no way relieve Client of its duty to pay for Work performed.)

Upon HEPACO's written request, at any time, Client shall furnish reasonable evidence satisfactory to HEPACO that sufficient funds are available and committed for the cost of the Work. Where such evidence is not furnished, HEPACO is not required to commence or continue any Work, or may, if such evidence is not presented within a reasonable time, not to exceed two (2) days, terminate this Agreement. Upon such termination, HEPACO shall be entitled to payment for all work performed to the date of termination, all stored materials, all restocking charges, the cost of demobilization, and reasonable overhead and profit on the work performed.

**10. Small Tools**

Small tools such as hammers, rakes, rock bars, shovels, squeegees, common wrenches and other small tools that are provided by HEPACO, but are not itemized in the Schedules, will be billed at five percent (5%) of the total labor billing. Specialty tools or hardware purchased for job specific tasks which are not itemized on the HEPACO Time and Materials Rate Schedule shall be billed at cost plus twenty-five percent (25%).

**11. Permits and Access**

Client shall secure and pay for all necessary approvals, easements, orders, assessments, permits, and charges required for the Work to be performed and for HEPACO to have legal access to the Project Site. Any right-of-way provided by Client to/from the most convenient public way shall be sufficient to bear the weight of HEPACO's equipment and vehicles reasonably required to perform the Work. Client, and not HEPACO, shall be responsible for any changes required to be made to any private pavement or accompanying subsurface of any route used in the Work, and for repairs to roadways and right-of-way caused by normal wear and tear during the performance of the Work. Contractor shall be entitled to reimbursement for any costs incurred as a result of encumbrances, conditions different from the conditions described by the client or differing substantially from what would normally be encountered in performing work under this agreement. These costs, if any, will be invoiced at cost plus twenty-five percent (25%).

12. **Protective Equipment**
Protective equipment such as hard hats, safety goggles, safety shields, steel toe boots, and the use of respirators are included in Level A, B, C, and D charges. Replacement items, disposable or specialty suits, gloves, etc. will be billed separately under Materials.

13. **High Hazards**
High hazard/reactive/explosive/cylinder rates apply to projects involving: explosives or explosion risk; fire fighting or risk of fire; Level A, Level B Personal Protective Equipment; gas or chemical transfer, uncontrolled events, unknown materials, actual or suspected Weapons of Mass Destruction (WMD) events; and/or handling of highly hazardous materials. Applicability of High Hazard rates will be at the sole determination of HEPACO based on project conditions.

14. **Jones Act/USL&H**
If the contract requires labor to be performed over, adjoining, and/or in water such that the U.S. Longshoremen's and Harbor Workers' insurance or Jones Act insurance apply, then an additional fee of thirty percent (30%) of total invoiced costs for the Work will be added to compensate for U.S. Longshoremen's and Harbor Workers' insurance or Jones Act insurance and related risks attendant to the work when contract requires labor to be performed over, adjoining and/or in water.

15. **Equipment**
The charges for operators to operate the equipment are not included in these rates and will be charged under the appropriate labor category. The rental rates do not include pick up, delivery, fuel, oil and grease, tarps, damages beyond reasonable wear and tear, and/or demurrage. HEPACO will invoice charges for all itemized equipment utilized or available for use on the project per the Time and Materials Rate Schedule, regardless of whether the equipment is owned by HEPACO or rented equipment. Items that are not itemized in the Time and Materials Rate Schedule, or for which there is no applicable rate in the Time and Materials Rate Schedule, will be invoiced at cost plus twenty-five per cent (25%). The daily rental rate is based upon an eight (8) hour day. There is an eight (8) hour minimum charge for any equipment mobilized for the project, utilized at the project site, or available for use at the project site. Equipment that becomes damaged beyond economical repair, and is not the sole fault of HEPACO, will be replaced at Client's expense with no mark-up.

16. **Delegation and Assignment**
HEPACO may, at any time, delegate orally or in writing, the performance of the Work, or any portion thereof. Any such delegation (such as subcontracting, laboratory work, or services) shall not operate to relieve HEPACO of its responsibilities hereunder, for which HEPACO shall remain obligated to Client.

17. **Safety**
HEPACO shall take necessary precautions and provide adequate safeguard for the safety of its employees and shall comply with applicable provisions of Federal, State, and local safety laws. HEPACO shall have no responsibility for the elimination or abatement of safety hazards created, or otherwise resulting from, work at the Project Site carried on by other persons or firms directly employed by Client as separate contractors or by Client's employees and agents. Client agrees to cause any such separate contractors, employees, and/or agents to fully comply with all applicable provisions of Federal, State, and local safety laws and/or regulations, and to comply with all reasonable requests and directions of HEPACO for the elimination or abatement of any such safety hazard at the Project Site.

18. **Confidentiality**
All reports, documentation, invoices, or other work product generated by HEPACO, its subsidiaries, vendors, suppliers, subcontractors, or affiliates will be kept in strict confidence by the Client. Dissemination of any such information to any third party shall not be permitted without the written consent of HEPACO. Reasonable requests for such permission will not be withheld. Release of such information to third parties will not operate to relieve the Client of any obligations under the contract or terms, including obligations for full payment of all HEPACO invoices.

Without prior consent from Client, HEPACO shall keep confidential all information, including all maps, data, reports, and other written or oral information relating to the Work, received from the Client, as well as the substance of any report, test, recommendation, information or advice that HEPACO provides to the Client in connection with the Work provided under this Agreement. In the event HEPACO is required by law, regulation, subpoena or court or administrative order to disclose any information deemed to be confidential, HEPACO may disclose such information so long as it provides written notification to the Client upon a good faith determination that it is so required or upon receipt of the subpoena or court order.

19. **Fuel Surcharge**
A variable Energy and Security Recovery Fee will be applied to the total invoice. This fee will fluctuate with the DOE national average on-highway diesel fuel price; however, there will be no adjustment to the fee during an individual project. Fees will be calculated for an individual project based upon the DOE national average on-highway diesel fuel price on the first day of the project. In the event that the average price equals or exceeds $2.50 per gallon, a surcharge beginning at one percent (1%) will be applied. For every five cent increase above $2.50 per gallon, the surcharge applied will increase by 0.5%. Should fuel prices drop below $2.50 per gallon, no surcharge would apply.

**20. Contractor Qualification**

Client hereby grants approval to Contractor as a fully qualified contractor in accordance with any Client contractor management system or process, regardless of whether Client utilizes an internal process or outsources contractor management to an external provider. Client agrees that Contractor meets all required prequalification metrics including but not limited to safety performance, regulatory compliance, operating guidelines, policies, procurement information, and sustainability. If Client utilizes an external contractor management process, Client shall ensure that Contractor is fully approved within the external provider's contractor management system.

**21. Tax**

Client agrees to fully compensate Contractor for all taxes related to the provision of services performed.

# Emergency Response Agreement

**THIS AGREEMENT IS SUBJECT TO ARBITRATION**

This Agreement is entered into this 24 day of AUGUST, 2011 by and between FCC Environmental, LLC. dba FCC environmental (Contractor) and METROPOLITAN AVIATION LLC (Client)

## I. BACKGROUND

Contractor is a provider of emergency response and remediation services. Client desires to contract with Contractor to provide emergency cleanup services, remediation services, and disposal and transportation of waste and cleanup materials / debris for Client, and Contractor desires to provide such services in accordance with the terms of this agreement.

As part of Client's operations, there is a potential for property belonging to or in the custody / responsibility of Client to spill, be released or otherwise create an emergency condition(s) ("Emergency Condition(s)") that requires environmental emergency response, cleanup and remediation services. In order to eliminate or contain such Emergency Condition(s), as presently exist or may exist in the future, Client desires to engage Contractor to provide all environmental emergency response, cleanup and remediation services arising out of Client's operations and the occurrence of any such Emergency Condition(s)(the provision of such services, including the response, cleanup, and subsequent remediation of Emergency Condition(s), being referred to as the "Emergency Cleanup Work" ).

Client desires to have Contractor perform all of it's Emergency Cleanup Work associated with all of it's Emergency Conditions, as presently exist(s) or may exist in the future, and Contractor desires to perform all such Emergency Cleanup Work.

## II. AGREEMENT

**NOW, THEREFORE,** in consideration of the foregoing and the mutual promises, terms, and conditions set forth below, the parties hereto agree as follows:

### 1. Statement of Substance Involved:

Client acknowledges and warrants that all known documentation, including but limited to Material Safety Data Sheets, bills of lading, manifests, or other documentation, accurately describing the substances involved in the Emergency Cleanup Work have or will be provided to Contractor upon arrival at the location where the Emergency Cleanup Work is reasonably necessary ("Site") and by fax to Contractor. Client will communicate to the Contractor's representative any relevant change in the information or communication indicating that such change may be necessary and will communicate to Contractor any hazards or risks known, learned, or suspected by the Client to be incidental to the Emergency Cleanup Work under this Agreement.

2. **Statement Of Work:**

Contractor's scope of work shall include, but shall not be limited to, providing all labor, equipment, and materials necessary to provide all Emergency Cleanup Work to investigate, analyze, manage, control, and perform all emergency response and/or environmental remediation work resulting from such Emergency Condition(s) (the Emergency Cleanup Work necessitated by, associated with, relating to and/or arising out of each Emergency Condition being referred to as a "project"). Contractor shall furnish the labor, equipment, materials, and services required in order to perform the Emergency Cleanup Work and all follow-up remediation work for each separate project in accordance with all State and Federal regulations and guidelines as well as sound and prudent judgment. Contractor shall perform the Emergency Cleanup Work, and all included remediation work, for each Project at the Site and, if applicable, on the disposal facility (ies). Client acknowledges that the physical conditions at the Site, including, without limitation, constituents, characteristics, properties, and quantities of waste materials present, if known, which are relevant to the Emergency Cleanup Work have been supplied by Client to Contractor. "Waste materials" as used in this Agreement shall mean any material deposited at the Site and leachate or other substance produced by such materials. The Work shall be performed in accordance with the terms of this Agreement as well as the Time and Materials Rate Schedule and Conditions as set forth in Exhibit "A" attached hereto and incorporated herein by reference. Client hereby acknowledges that it has received and reviewed or has had the opportunity to request copies of such Time and Materials Rate Schedule and Conditions, and hereby accepted by the Client.

3. **Duration:**

This Agreement shall commence on the date set forth above and apply to any Emergency Condition(s), as such presently exist or may exist in the future, until the earlier of:

(1) This Agreement is terminated by one of the parties in accordance with Section 7;
Or
(2) If this Agreement was entered into at the time of and in response to an ongoing Emergency Condition, the Agreement shall continue in effect until Contractor completes all of the Emergency Cleanup Work in relation to the Project.

4. **Commencement:**

Contractor shall commence the Emergency Cleanup Work associated with each Project as soon as possible and practicable after acceptance of same by Contractor and authorization to proceed (either orally or in writing) is provided by Client to Contractor. Upon such acceptance and notice, Contractor shall diligently pursue such Emergency Cleanup Work for the Project at issue until completion, including all response, clean-up and remediation work arising out of the Emergency Condition(s), and Client shall perform its obligations in accordance with the terms of the Agreement.

5. **Payment:**

Client shall pay Contractor for labor, equipment, materials, reporting and administrative tasks, services and other items furnished in the performance of the Emergency Cleanup Work until completion or until the earlier termination of this Agreement in accordance with Section 6. Client shall pay Contractor in accordance with Contractor's Time and Materials Rate Schedule, dated October 15, 2008 (attached hereto and incorporated herein by reference as Exhibit A) for the commensurate labor, equipment, material, and subcontracting efforts directed in the performance of the Emergency Cleanup Work.

**CLIENT HEREBY ACKNOWLEDGES AND WARRANTS THAT IT HAS RECEIVED AND REVIEWED THE TIME AND MATERIALS RATE SCHEDULE AND THAT THE TERMS AND RATES SET FORTH THEREIN ARE REASONABLE AND ACCEPTED BY CLIENT.**

Contractor may, from time to time, at the request of Client, provide a best estimate for Contractor's cost in performing the Emergency Cleanup Work on a specific Project. Such estimate or quote given by Contractor is only an estimate and not a firm contract price nor a "not to exceed" price. Client acknowledges that, despite any estimate given by Contractor, Client shall pay the invoice submitted by Contractor in accordance with the Time and Materials Rate Schedule attached hereto and incorporated herein by reference as Exhibit A.

Client hereby acknowledges that the Contractor may reasonably adjust its Emergency Response Agreement or Time and Materials Rate Schedule from time to time, but in no event will Contractor adjust its Time and Materials Rate Schedule during the course of a project under this Agreement with Client. Adjustments in the Time and Materials Rate Schedule shall be made by Contractor prior to or subsequent to Contractor's emergency cleanup work of a project that is the subject of this agreement. Such adjustment of the Time and Materials Rate Schedule shall become effective upon Contractor providing Client with written notice of the adjustments.

Client's obligation to fully compensate Contractor pursuant to this agreement shall not be conditioned upon the types, amounts, or availability of Client's insurance coverage. This includes, but is not limited to, the amounts owed to FCC Environmental, LLC. by Client in accordance with the contract documents and the FCC Environmental, LLC. Time and Materials Rate Schedule attached hereto and incorporated herein by reference as Exhibit A. Any money received by Client from any insurance carrier, reinsurance, self-insurance, or other fund or any third party in relation to the work performed by FCC Environmental, LLC. within three calendar days of receipt by Client. Under no circumstances shall the opinions or analysis of adjusters, auditors, consultants or other third parties have any bearing on the terms or rates of payment under this agreement.

By signing on this page below, Client consents to use of its credit card for payment of services performed by Contractor under this agreement. If Client chooses to utilize its credit card for payment for Contractor's services performed under this agreement, Client shall fill out the following information;

Name as it appears on card: _____

Credit Card Type: _____ Card. Number: _____ Exp. Date_____

Billing Address: _____

_____

Signature: _____

By signing above, Client agrees that all information above is valid. Client further attests that its signature above is authorization for Contractor to utilize its credit card for payment related to services performed by Contractor under this agreement.

6. **Termination of Agreement:**

This agreement may be terminated only as follows:

a. Without cause: Either party may terminate this agreement without cause upon receipt of written notice not less than sixty (60) days prior.

b. For Cause: Either party may terminate this agreement at any time with cause if either party fails to keep, observe ,or perform a material term, agreement, or provision of this agreement and such breach remains un-remedied for a continuous period of thirty(30) days after receipt of written notice from the non-defaulting party stating the specific default: provided, however, that if the breach cannot be reasonably cured within (30) days, the defaulting party shall have a reasonable time within which to cure the default.

c. Termination of Agreement With or Without Cause by Either Party: All outstanding monies due Contractor for work performed prior to the termination of this agreement, plus overhead and profit in relation to the same, shall be due and payable as provided in paragraph 5 above. All costs incurred by Contractor specified in the Time and Materials Schedule prior to the termination of this agreement, as well as the cost of securing the site, work required to leave the site in a reasonably safe condition, all demobilization costs, all costs and materials that cannot be returned, all restocking charges incurred, and all costs as specifically provided for in Paragraph 5, Paragraph 6, and Paragraph 7 below, shall be paid to Contractor as provided in Paragraph 5 above.

In the event of a termination for an alleged default by the Contractor, the Contractor shall be entitled to the payment specified herein within thirty (30) days of the termination, such payment being subject to adjustment at a later date following a final adjudication of the rights and liabilities of Client and Contractor by arbitration or a court of competent jurisdiction.

7. **Arbitration:**

All claims, disputes, and other matters or questions arising out of or relating to this agreement shall be decided by arbitration in accordance with the Construction Industry Arbitration Rules of the American Arbitration Association unless the parties mutually agree otherwise. Judgment upon the award rendered by the arbitrator or arbitrators may be entered in any court having jurisdiction thereof.

Contractor and Client expressly agree that the arbitrator(s) shall have the power and authority to grant reasonable attorneys' fees (including attorneys' fees based upon a contingency fee agreement) and costs incurred in resolving any claim or dispute arising out of or relating to this agreement and, further, that the prevailing party shall be entitled to recover such reasonable attorneys' fees and costs. Such costs shall include, but are not limited to, any costs recoverable pursuant to the General Statutes of Maryland, any filing or administrative fees of the American Arbitration Association, the cost of obtaining a hearing room for the arbitration proceedings, witness fees and costs (including both party and nonparty witness),the preparation of arbitration exhibits, and compensation of the arbitrator(s). FCC Environmental, LLC. witness fees and preparation cost will be calculated as provided in Paragraph 7 of the attached and incorporated Time and Materials Rate Schedule and will include, but are not limited to, travel costs, salary, meals, and lodging for any such FCC Environmental, LLC. personnel.

The demand for arbitration shall be filed in writing with the other party to the agreement and with the American Arbitration Association. A demand for arbitration shall be made within a reasonable time after the claim; dispute or other matter relating to the agreement has arisen, and in no event shall be made after the date when institution of legal or equitable proceedings based on such claim, dispute or other matter will be barred by the applicable statute of limitations. The hearings will continue on consecutive business days until the proceedings are concluded.

With respect to any arbitration, the parties agree that the arbitrator(s) shall follow and give effect to each party's contract rights and responsibilities, and that those rights shall be interpreted and enforced in a manner consistent with the laws of the State of Maryland. The failure of the arbitrator(s) to give effect to the contract, or render a decision that is inconsistent with Maryland law shall be grounds for an appeal by Contractor. Any such appeal shall be heard by an appropriate Superior Court.

8. **Notice:**

Any notice or other communication to be given under this agreement shall be in writing and effective when delivered personally or through private delivery services (e.g., Federal Express), when mailed by certified mail, return receipt requested, or by facsimile as follows:

| | |
|---|---|
| | FCC Environmental, LLC |
| Address: | 1105 North Point Road Suite 310 |
| | Baltimore, Maryland 21222 |
| Attn: | Field Services |
| Telephone: | 410 284 1717 |

| | |
|---|---|
| Client: | Alan Cock |
| Address: | 10661 Frank Marshall Lane, Manassas, VA 20110 |
| Telephone: | 703-530-6299 |
| Facsimile: | 703-530-7188 |
| E-mail: | alane@metropolitanjets.com |

9. **Law and Value:**

The validity, interpretation and performance of this agreement shall be governed by and construed in accordance with the laws of the State of Maryland. This agreement shall also be deemed to have been made under the laws of the State of Maryland. All arbitrations or other proceedings between Contractor and Client arising out of or relating to this agreement shall be conducted in Maryland.

10. **Severability:**

If any provisions of this agreement or it's application to any person or circumstances shall be valid or unenforceable to any extent, the remainder of this Agreement and application of its provisions to the other persons or circumstances shall not be affected and shall be enforced to the greatest extent of the law.

11. **Assignment:**

This agreement may not be assigned by either party without the prior written consent of the other party and shall be binding upon and shall endure to the benefit of all approved transferees, assigns, and successors in interest of any kind of the parties hereto.

12. **Headings:**

The headings contained in this agreement are for convenience and reference only and are not intended to define, limit, or describe the scope or intent of any provision of this agreement.

13. **Entire Agreement:**

This agreement, including the Time and Material Rate Schedule attached hereto as Exhibit "A" and incorporated herein relating to the emergency cleanup work and follow-up remediation work, and supersedes any and all prior agreements, whether written or oral, that may exist between the parties regarding the same. No amendment or modifications to this Agreement or any waiver of any provision hereof shall be effective unless in writing signed by the party so to be bound thereby.

Client acknowledges having had an opportunity to have read the terms of this agreement, as well as any attachments hereto, reviewed by Legal Counsel prior to the execution hereof and, further, Client acknowledges that the terms herein are reasonable.

Client: (print) Alan R. Gulk Metropolitan Acoustic LLC

By: (signature)

Title: CEO

Date: 8-24-11

Contractor: FCC Environmental ~~LLC~~

By:

Printed Name: Tom Mirabile

Title: Sales Manager

Date: 8/24/11

fcc environmental

YOUR "SINGLE SOURCE" FOR

- USED OIL RECYCLING
- USED ANTIFREEZE RECYCLING
- USED OIL FILTER RECYCLING
- PRESSURE VACUUM SERVICES
- SEPARATOR/SUMP CLEAN OUT
- OILY WASTES
- SURETEMP™ ANTIFREEZE
- ABSORBENT SALE & DISPOSAL
- EMERGENCY RESPONSE SERVICES
- YEAR END WASTE SUMMARY REPORT
- PARTS CLEANERS

FCC environmental

Tom Mirabile
Regional Sales Manager
MidAtlantic Region

5800 Farrington Avenue • Alexandria, VA 22304
Tel (703) 461-2675 • Fax (703) 832-1393
Cell (703) 932-8481 • tom.mirabile@fccenvironmental.com

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AES Atlantic Environmental Services

P.O. Box 1715 Beltsville, Maryland 20704

March 17, 2006

Ms. Julene Kralovetz
Manassas Regional Airport
P.O. Box 560
Manassas, Virginia 20108

RE: Spill Response for Manassas Regional Airport, Manassas, Virginia

Dear Ms. Kralovetz:

Atlantic Environmental Services (AES) is providing the following information regarding our spill response capability for Manassas Regional Airport. As you are aware, AES has responded to and cleaned up a number of accidental fuel spills for the Manassas Regional Airport in the past ten years. Our response time to an incident is usually within 30-minutes of notification, barring unforeseen circumstances. The following is a listing of our contact, materials, and equipment information that may be useful in preparation of SPCC and Emergency Response Plans for Manassas Regional Airport.

**Contact Information**:

24 Hour Response Number: 800-844-8265

**Emergency Response Coordinators:**

Mr. Steve Burns, Mobile# 703-928-1152
Mr. Rick Ryan, Mobile # 571-233-3248
Mr. Mark Olsen, Mobile # 703-928-3993

**Spill Materials on hand:**

1. 8" sorbent boom: 160 L.F. minimum
2. 4" and 2" boom: 160 L.F minimum
3. Sorbent Pads: 10 bales minimum
4. Stay Dry: 20 bags minimum
5. Petroleum emulsifier: 10 gallon minimum
6. Oil Sweep
7. Acid/base neutralizers
8. Drums, 17-H and E Steel
9. Drums 17-H and E Plastic
10. Drums 85-gallon Over Pack
11. Drums 30-gallon fiber, steel, and plastic

USFilter

RECOVERY SERVICES
1105 NORTH POINT BOULEVARD
SUITE 310
BALTIMORE, MD 21224

TELEPHONE 410-284-171
FACSIMILE 410-285-826

Page 1 of 1
TO Mike Colgan
From Rod McCargo
FAX TO: 7033708065

# EMERGENCY SPILL AGREEMENT
# CONTRACT AGREEMENT

This contract agreement is made this 10 day of November by and between USFILTER and Colgan Air Inc. hereinafter known as (client)
Located at 10509 Workman Ct. phone number 703-368-8880
Manassas, VA 20110

## SCOPE OF WORK

| Description of Services | Approximate Quantity | Unit Price |
|---|---|---|

**Condition of Work Scope:** All work shall be performed in accordance with the right permits and applicable Federal, State and Local laws and regulations. The Client shall be responsible for insuring that his forces work in harmony with contractor.

**Indemnity:** The Client shall indemnify and hold harmless the contractor for all the claims for direct damage to persons or property due to any wrongful act or omission by the Client, its agents, servants or employees during the performance of its work or services herein described.

**Payment Terms:** The contractor shall invoice the client for all cost of all services rendered, materials, supplies, and/or equipment delivered or picked up. **Payment is due _____ NET 30 days, with a service charge of 1.5% per month on all accounts past due after 30 days.**

In the event of default, the Client and/or the guarantors shall pay all cost of collection. Including, but not limited to, court cost, private process fee, discovery expense, and an attorney fee of 30% of the amount owed. In the event of default, the contractor may, at its option, refuse further orders from the Client, cancel outstanding orders, declare due and payable all outstanding invoices to the contractor, whether or not such invoices would be due and payable under any other provision of this contract.

The failure of USFILTER INC. to enforce in any one or more instances any covenant or provisions herein contained, shall not be constructed as a waiver nor shall it discharge or invalidate such covenant or provision or affect the right of USFILTER to enforce the same for any subsequent breach or default.

**SIGNED IN AGREEMENT**

Colgan Air Inc
CLIENT NAME

Pam
X 11/10/05
AUTHORIZED REPRESENTATIVE

11/10/05
DATE

**USFILTER RECOVERY SERVICE INC.**
CONTRACTOR

X
AUTHORIZED REPRESENTATIVE

11/10/05
DATE

**24-HOUR EMERGENCY CONTACT NUMBERS:**
**1-888-749-8344**

FCC environmental

Mark A. Christian
Customer Service Representative
MidAtlantic Region

Hydrocarbon Recovery Services, Inc
5800 Farrington Avenue • Alexandria, VA 22304
Tel: (888) 749-8344 • Fax: (703) 370-8067
Cell: (703) 898-0422

# Emergency Response Agreement

**THIS AGREEMENT IS SUBJECT TO ARBITRATION**

This Agreement is entered into this 9 day of Oct., 2009 by and between Hydrocarbon Recovery Services, Inc. dba FCC environmental (Contractor) and Dulles Aviation, Inc. (Client)

## I. BACKGROUND

Contractor is a provider of emergency response and remediation services. Client desires to contract with Contractor to provide emergency cleanup services, remediation services, and disposal and transportation of waste and cleanup materials / debris for Client, and Contractor desires to provide such services in accordance with the terms of this agreement.

As part of Client's operations, there is a potential for property belonging to or in the custody / responsibility of Client to spill, be released or otherwise create an emergency condition(s) ("Emergency Condition(s)") that requires environmental emergency response, cleanup and remediation services. In order to eliminate or contain such Emergency Condition(s), as presently exist or may exist in the future, Client desires to engage Contractor to provide all environmental emergency response, cleanup and remediation services arising out of Client's operations and the occurrence of any such Emergency Condition(s)(the provision of such services, including the response, cleanup, and subsequent remediation of Emergency Condition(s), being referred to as the "Emergency Cleanup Work" ).

Client desires to have Contractor perform all of it's Emergency Cleanup Work associated with all of it's Emergency Conditions, as presently exist(s) or may exist in the future, and Contractor desires to perform all such Emergency Cleanup Work.

## II. AGREEMENT

**NOW, THEREFORE,** in consideration of the foregoing and the mutual promises, terms, and conditions set forth below, the parties hereto agree as follows:

### 1. Statement of Substance Involved:

Client acknowledges and warrants that all known documentation, including but limited to Material Safety Data Sheets, bills of lading, manifests, or other documentation, accurately describing the substances involved in the Emergency Cleanup Work have or will be provided to Contractor upon arrival at the location where the Emergency Cleanup Work is reasonably necessary ("Site") and by fax to Contractor. Client will communicate to the Contractor's representative any relevant change in the information or communication indicating that such change may be necessary and will communicate to Contractor any hazards or risks known, learned, or suspected by the Client to be incidental to the Emergency Cleanup Work under this Agreement.

2. **Statement Of Work:**

Contractor's scope of work shall include, but shall not be limited to, providing all labor, equipment, and materials necessary to provide all Emergency Cleanup Work to investigate, analyze, manage, control, and perform all emergency response and/or environmental remediation work resulting from such Emergency Condition(s) (the Emergency Cleanup Work necessitated by, associated with, relating to and/or arising out of each Emergency Condition being referred to as a "Project"). Contractor shall furnish the labor, equipment, materials, and services required in order to perform the Emergency Cleanup Work and all follow-up remediation work for each separate project in accordance with all State and Federal regulations and guidelines as well as sound and prudent judgment. Contractor shall perform the Emergency Cleanup Work, and all included remediation work, for each Project at the Site and, if applicable, on the disposal facility (ies). Client acknowledges that the physical conditions at the Site, including, without limitation, constituents, characteristics, properties, and quantities of waste materials present, if known, which are relevant to the Emergency Cleanup Work have been supplied by Client to Contractor. "Waste materials" as used in this Agreement shall mean any material deposited at the Site and leachate or other substance produced by such materials. The Work shall be performed in accordance with the terms of this Agreement as well as the Time and Materials Rate Schedule and Conditions as set forth in Exhibit "A" attached hereto and incorporated herein by reference. Client hereby acknowledges that it has received and reviewed or has had the opportunity to request copies of such Time and Materials Rate Schedule and Conditions, and hereby accepted by the Client.

3. **Duration:**

This Agreement shall commence on the date set forth above and apply to any Emergency Condition(s), as such presently exist or may exist in the future, until the earlier of:

(1) This Agreement is terminated by one of the parties in accordance with Section 7;
Or
(2) If this Agreement was entered into at the time of and in response to an ongoing Emergency Condition, the Agreement shall continue in effect until Contractor completes all of the Emergency Cleanup Work in relation to the Project.

4. **Commencement:**

Contractor shall commence the Emergency Cleanup Work associated with each Project as soon as possible and practicable after acceptance of same by Contractor and authorization to proceed (either orally or in writing) is provided by Client to Contractor. Upon such acceptance and notice, Contractor shall diligently pursue such Emergency Cleanup Work for the Project at issue until completion, including all response, clean-up and remediation work arising out of the Emergency Condition(s), and Client shall perform its obligations in accordance with the terms of the Agreement.

**5. Payment:**

Client shall pay Contractor for labor, equipment, materials, reporting and administrative tasks, services and other items furnished in the performance of the Emergency Cleanup Work until letion or until the earlier termina ı of this Agreeme ' ' accordance with Section 6. shall pay Contractor in accordance with Contractor 1.ne and Materials Rate Sche: le, dated October 15, 2008 (attached hereto and in.orporated herein by reference ; Exhibit A) for the commensurate labor, equipment, material, and subcontrac: ıg efforts directed in the performance of the Emergency Cleanup Work.

**CLIENT HEREBY ACKNOWLEDGES AND WARRANTS THAT IT HAS RECEIVED AND REVIEWED THE TIME AND MATERIALS RATE SCHEDULE AND THAT THE TERMS AND RATES SET FORTH THEREIN ARE REASONABLE AND ACCEPTED BY CLIENT.**

Contractor may, from time to time, at the request of Client, provide a best estimate for Contractor's cost in performing the Emergency Cleanup Work on a specific Project. Such estimate or quote given by Contractor is only an estimate and not a firm contract price nor a "not to exceed" price. Client acknowledges that, despite any estimate given by Contractor, Client shall pay the invoice submitted by Contractor in accordance with the Time and Materials Rate Schedule attached hereto and incorporated herein by reference as Exhibit A.

Client hereby acknowledges that the Contractor may reasonably adjust its Emergency Response Agreement or Time and Materials Rate Schedule from time to time, but in no event will Contractor adjust its Time and Materials Rate Schedule during the course of a project under this Agreement with Client. Adjustments in the Time and Materials Rate Schedule shall be made by Contractor prior to or subsequent to Contractor's emergency cleanup work of a project that is the subject of this agreement. Such adjustment of the Time and Materials Rate Schedule shall become effective upon Contractor providing Client with written notice of the adjustments.

Client's obligation to fully compensate Contractor pursuant to this agreement shall not be conditioned upon the types, amounts, or availability of Client's insurance coverage. This includes, but is not limited to, the amounts owed to Hydrocarbon Recovery Services, Inc. by Client in accordance with the contract documents and the Hydrocarbon Recovery Services, Inc. Time and Materials Rate Schedule attached hereto and incorporated herein by reference as Exhibit A. Any money received by Client from any insurance carrier, reinsurance, self-insurance, or other fund or any third party in relation to the work performed by Hydrocarbon Recovery Services, Inc. within three calendar days of receipt by Client. Under no circumstances shall the opinions or analysis of adjusters, auditors, consultants or other third parties have any bearing on the terms or rates of payment under this agreement.

By signing on this page below, Client consents to use of its credit card for payment of services performed by Contractor under this agreement. If Client chooses to utilize its credit card for payment for Contractor's services performed under this agreement, Client shall fill out the following information;

Name as it appears on card: _____

Credit Card Type: _____ Card. Number: _____ Exp. Date_____

Billing Address: _____

_____

Signature: _____

By signing above, Client agrees that all information above is valid. Client further attests that its signature above is authorization for Contractor to utilize its credit card for payment related to services performed by Contractor under this agreement.

6. **Termination of Agreement:**

This agreement may be terminated only as follows:

a. Without cause: Either party may terminate this agreement without cause upon receipt of written notice not less than sixty (60) days prior.

b. For Cause: Either party may terminate this agreement at any time with cause if either party fails to keep, observe ,or perform a material term, agreement, or provision of this agreement and such breach remains un-remedied for a continuous period of thirty(30) days after receipt of written notice from the non-defaulting party stating the specific default: provided, however, that if the breach cannot be reasonably cured within (30) days, the defaulting party shall have a reasonable time within which to cure the default.

c. Termination of Agreement With or Without Cause by Either Party: All outstanding monies due Contractor for work performed prior to the termination of this agreement, plus overhead and profit in relation to the same, shall be due and payable as provided in paragraph 5 above. All costs incurred by Contractor specified in the Time and Materials Schedule prior to the termination of this agreement, as well as the cost of securing the site, work required to leave the site in a reasonably safe condition, all demobilization costs, all costs and materials that cannot be returned, all restocking charges incurred, and all costs as specifically provided for in Paragraph 5, Paragraph 6, and Paragraph 7 below, shall be paid to Contractor as provided in Paragraph 5 above.

In the event of a termination for an alleged default by the Contractor, the Contractor shall be entitled to the payment specified herein within thirty (30) days of the termination, such payment being subject to adjustment at a later date following a final adjudication of the rights and liabilities of Client and Contractor by arbitration or a court of competent jurisdiction.

7. **Arbitration:**

All claims, disputes, and other matters or questions arising out of or relating to this agreement shall be decided by arbitration in accordance with the Construction Industry Arbitration Rules of the American Arbitration Association unless the parties mutually agree otherwise. Judgment upon the award rendered by the arbitrator or arbitrators may be entered in any court having jurisdiction thereof.

Contractor and Client expressly agree that the arbitrator(s) shall have the power and authority to grant reasonable attorneys' fees (including attorneys' fees based upon a contingency fee agreement) and costs incurred in resolving any claim or dispute arising out of or relating to this agreement and, further, that the prevailing party shall be entitled to recover such reasonable attorneys' fees and costs. Such costs shall include, but are not limited to, any costs recoverable pursuant to the General Statutes of Maryland, any filing or administrative fees of the American Arbitration Association, the cost of obtaining a hearing room for the arbitration proceedings, witness fees and costs (including both party and nonparty witness),the preparation of arbitration exhibits, and compensation of the arbitrator(s). Hydrocarbon Recovery Services, Inc. witness fees and preparation cost will be calculated as provided in Paragraph 7 of the attached and incorporated Time and Materials Rate Schedule and will include, but are not limited to, travel costs, salary, meals, and lodging for any such Hydrocarbon Recovery Services, Inc. personnel.

The demand for arbitration shall be filed in writing with the other party to the agreement and with the American Arbitration Association. A demand for arbitration shall be made within a reasonable time after the claim; dispute or other matter relating to the agreement has arisen, and in no event shall be made after the date when institution of legal or equitable proceedings based on such claim, dispute or other matter will be barred by the applicable statute of limitations. The hearings will continue on consecutive business days until the proceedings are concluded.

With respect to any arbitration, the parties agree that the arbitrator(s) shall follow and give effect to each party's contract rights and responsibilities, and that those rights shall be interpreted and enforced in a manner consistent with the laws of the State of Maryland. The failure of the arbitrator(s) to give effect to the contract, or render a decision that is inconsistent with Maryland law shall be grounds for an appeal by Contractor. Any such appeal shall be heard by an appropriate Superior Court.

8. **Notice:**

Any notice or other communication to be given under this agreement shall be in writing and effective when delivered personally or through private delivery services (e.g., Federal Express), when mailed by certified mail, return receipt requested, or by facsimile as follows:

| | |
|---|---|
| | Hydrocarbon Recovery Services Inc. |
| Address: | 1105 North Point Road Suite 310 |
| | Baltimore, Maryland 21222 |
| Attn: | Field Services |
| Telephone: | 410 284 1717 |

| | |
|---|---|
| Client: | Dulles Aviation Inc |
| Address: | 10501 Observation Rd. Manassas, VA 20110 |
| Telephone: | 703-361-2171 |
| Facsimile: | 703-361-4478 |
| E-mail: | Info@DullesAviation.com |

9. **Law and Value:**

The validity, interpretation and performance of this agreement shall be governed by and construed in accordance with the laws of the State of Maryland. This agreement shall also be deemed to have been made under the laws of the State of Maryland. All arbitrations or other proceedings between Contractor and Client arising out of or relating to this agreement shall be conducted in Maryland.

10. **Severability:**

If any provisions of this agreement or it's application to any person or circumstances shall be valid or unenforceable to any extent, the remainder of this Agreement and application of its provisions to the other persons or circumstances shall not be affected and shall be enforced to the greatest extent of the law.

11. **Assignment**:

This agreement may not be assigned by either party without the prior written consent of the other party and shall be binding upon and shall endure to the benefit of all approved transferees, assigns, and successors in interest of any kind of the parties hereto.

12. **Headings:**

The headings contained in this agreement are for convenience and reference only and are not intended to define, limit, or describe the scope or intent of any provision of this agreement.

13. **Entire Agreement:**

This agreement, including the Time and Material Rate Schedule attached hereto as Exhibit "A" and incorporated herein relating to the emergency cleanup work and follow-up remediation work, and supersedes any and all prior agreements, whether written or oral, that may exist between the parties regarding the same. No amendment or modifications to this Agreement or any waiver of any provision hereof shall be effective unless in writing signed by the party so to be bound thereby.

Client acknowledges having had an opportunity to have read the terms of this agreement, as well as any attachments hereto, reviewed by Legal Counsel prior to the execution hereof and, further, Client acknowledges that the terms herein are reasonable.

Client: (print) Dulles Aviation, Inc.

By: (signature) Joseph H. Gardner

Title: President

Date: 10/9/09

Contractor: Hydrocarbon Recovery Services Inc.

By: Mark A Christian

Printed Name: Mark A. Christian

Title: Customer Sales Rep.

Date: Oct. 9. 09.




# Time and Material
# Price Schedule
## Effective October 15, 2008

| Personnel: | | | |
|---|---|---|---|
| Emergency Response Manager | $125.00 | | Per Hour |
| Project Manager | $95.00 | | Per Hour |
| Project Engineer | $95.00 | | Per Hour |
| Health and Safety Specialist | $90.00 | | Per Hour |
| Tank Car Specialist | $95.00 | | Per Hour |
| Chemical Transfer Operations Specialist | $85.00 | | Per Hour |
| Chemical Transfer Operations Technician | $75.00 | | Per Hour |
| Chemist / Disposal Coordinator | $80.00 | | Per Hour |
| Transportation Manager | $80.00 | | Per Hour |
| Field Services Supervisor | $80.00 | | Per Hour |
| Hazardous Materials Team Leader | $75.00 | | Per Hour |
| Hazardous Material Technician II | $60.00 | | Per Hour |
| Hazardous Material Technician I | $55.00 | | Per Hour |
| Hazardous Material Technician | $48.00 | | Per Hour |
| Site Safety and Health Officer | $60.25 | | Per Hour |
| Project Control Technician | $58.00 | | Per Hour |
| Driver III | $57.00 | | Per Hour |
| Driver II | $49.00 | | Per Hour |
| Driver I | $45.75 | | Per Hour |
| Boat Operator II | $49.00 | | Per Hour |
| Boat Operator I | $45.75 | | Per Hour |
| Field Services Technician II | $52.50 | | Per Hour |
| Field Services Technician I | $43.50 | | Per Hour |
| Field Services Representative | $40.00 | | Per Hour |
| Onsite Clerical | $37.50 | | Per Hour |

| **Land Equipment:**<br>(Does not include Operator) | | | |
|---|---|---|---|
| Roll Off Truck | | $55.00 | Per Hour |
| 2,600 gallon Vacuum Trucks | | $50.00 | Per Hour |
| 3,000 gallon Vacuum Trucks | | $55.00 | Per Hour |
| 3,500 gallon Vacuum Trucks | | .00 | Per Hour |
| 3,250 gallon Powervacs w/5300 scfm blower | | $85.00 | Per Hour |
| 5,000 gallon Vacuum Tankers | | $80.00 | Per Hour |
| 5,000 gallon SS Vacuum Tanker | | $90.00 | Per Hour |
| 7,200 gallon Tank Trailers | | $60.00 | Per Hour |
| Tractor for Trailers | | $45.00 | Per Hour |
| Backhoe | | $325.00 | Per Day |
| Small Dump Trucks (F-450) | | $35.00 | Per Hour |
| Large Dump Trucks | | $75.00 | Per Hour |
| Small Box Trucks 10' to 14'(F-450) | | $35.00 | Per Hour |
| Large Box Trucks 16' to 24' | | $75.00 | Per Hour |
| 24 ' Stake Body | | $65.00 | Per Hour |
| Large Spill Van (F-550) | | $50.00 | Per Hour |
| Utility Truck | | $35.00 | Per Hour |
| 24' Boom / Water Spill Trailer | | $30.00 | Per Hour |
| 4x4 Crewcab Pick up | | $30.00 | Per Hour |
| 4x4 Standard Cab Pick up | | $25.00 | Per Hour |
| Passenger Sedan | | $15.00 | Per Hour |
| 20 Yard Roll Off Box | | $20.00 | Per Day |
| 25 Yard Roll Off Box | | $25.00 | Per Day |
| 30 Yard Roll Off Box | | $30.00 | Per Day |
| 21,000 Gallon Frac Tanks | | $50.00 | Per Day |
| Hot Water Pressure Washers (3500 psi) | | $25.00 | Per Hour |
| Hot Water Pressure Washers (6000 psi) | | $45.00 | Per Hour |

| **Water Equipment:**<br>(Does not include Operator or Fuel costs) | | | |
|---|---|---|---|
| 22 ft Whaler w/twin 90 hp Yamaha O/B | | $38.50 | Per Hour |
| 16 ft Jon boat w/25 hp Mercury O/B | | $25.00 | Per Hour |
| 14 ft tri-hull w/40 hp Mercury O/B | | $25.00 | Per Hour |
| T-118 Double Barrel Skimmer System | | $250.00 | Per Day |
| 500 gallon Towable Storage Bladder | | $150.00 | Per Day |
| Portable Air Compressor for Skimmer | | $90.00 | Per Day |
| Mark II Harbor Boom 12 inch Skirt | | $1.25 | Per/Ft/Day |
| Boom Anchor Assembly | | $10.00 | Per/Assembly/Day |

| **Personnel Protective Equipment:** | | | |
|---|---|---|---|
| Level "A and B" fully encapsulating suits | | | Cost +20% |
| Level "C" | | $75.00 | Per Day/Man |
| Level "D" | | $40.00 | Per Day/Man |
| Ch mtex PVC Suit | | $80.00 | Eac Day |
| Ch .mtex PVC Hoods | | $30.00 | Each / Day |
| Chemical Resistant Boots | | $56.00 | Each Pair |
| Latex Nuke Booties (chicken boots) | | $15.00 | Each Pair |
| Full Body Harness | | $25.00 | Per Day |
| Portable Eye Wash Station | | $50.00 | Per Day |
| Chest Waders | | $20.00 | Per Day |
| Hip Waders | | $10.00 | Per Day |
| PVC / Rubber Boots (Steel Toe and Shank) | | $10.00 | Per Day |
| Life Jackets | | $10.00 | Per Day |
| Rain Suits | | $28.00 | Each |
| Nomex Coveralls | | $10.00 | Per Day |
| Safety Vests | | $5.00 | Per Day |
| Cool Vests | | $15.00 | Per Day |
| First Aid Station (per 10 People) | | $75.00 | Per Day + expendables |
| | | | |

| **Hand Protection:** | | | |
|---|---|---|---|
| Glove liners (latex, nitrile, vinyl, or cotton) | | $1.00 | Pair |
| Leather | | $8.00 | Pair |
| PVC gloves | | $8.00 | Pair |
| Silver Shield | | $15.00 | Pair |
| Wizard (Sharps) | | $27.00 | Each Glove |
| | | | |

| **Respiratory Protection:** | | | |
|---|---|---|---|
| Cascade Breathing Air system w/egress | | $150.00 | Per Man / Day |
| Self Contained Breathing Apparatus | | $95.00 | Per Man / Day |
| Air Bottles (additional) | | $45.00 | Each use |
| Air Purifying Respirator (includes 1st set of Cartridges) | | $37.50 | Per Man / Day |

| **Absorbents:** | **Units / Pkg:** | |
|---|---|---|
| Universal Fine Fiber Heavy WT. Pads, 17" x 19" | 100 | $78.75 |
| Universal Fine Fiber Heavy WT. Pads, 34" x 38" | 50 | $156.88 |
| Universal Fine Fiber Single WT. Pads, 17" x 19" | 200 | $78.75 |

| | | |
|---|---|---|
| Universal Fine Fiber Heavy WT. Roll, 38" x 144" | 1 | $144.38 |
| Universal Fine Fiber Single WT. Roll, 38" x 144" | 1 | $162.50 |
| Universal Fine Fiber Heavy WT. Roll, 19" x 144" | 2 | $144.38 |
| Universal Fine Fiber Single WT. Roll, 19" x 288" | 2 | $162.50 |
| Oil-Only Fine Fiber Heavy WT. Pads, 17" x 19" | 100 | $72.50 |
| Oil-Only Fine Fiber Heavy WT. Pads, 34" x 38" | 50 | $144.38 |
| Oil-Only Fine Fib gle WT. Pads, 17" x 19" | 200 | $72.50 |
| il-Only Fine Fi vy WT. Roll, 36" x 144" | 1 | $156.88 |
| Oil-Only Fine Fib vy WT. Roll, 36" x 144" | 2 | $156.88 |
| Universal Sonic F ded Heavy WT. Pads, 17" x 19" | 100 | $64.38 |
| Universal Sonic onded Heavy WT. Pads, 34" x 38" | 50 | $128.13 |
| Universal Sonic Bonded Medium WT. Pads, 17" x 19" | 100 | $50.63 |
| Universal Sonic Bonded Single WT. Pads, 17" x 19" | 200 | $67.50 |
| Universal Sonic Bonded Heavy WT. Roll, 38" x 144" | 1 | $128.13 |
| Universal Sonic Bonded Medium WT. Roll, 38" x 144" | 1 | $101.25 |
| Universal Sonic Bonded Single WT. Roll, 38" x 144" | 1 | $135.00 |
| Universal Sonic Bonded Heavy WT. Roll, 19" x 144" | 2 | $128.13 |
| Oil-Only Sonic Bonded Heavy WT. Pads, 17" x 19" | 100 | $61.25 |
| Oil-Only Sonic Bonded Heavy WT. Pads, 34" x 38" | 50 | $121.25 |
| Oil-Only Sonic Bonded Medium WT. Pads, 17" x 19" | 100 | $47.50 |
| Oil-Only Sonic Bonded Single WT. Pads, 17" x 19" | 200 | $64.38 |
| Oil-Only Sonic Bonded Heavy WT. Roll, 38" x 144" | 1 | $121.25 |
| Oil-Only Sonic Bonded Medium WT. Roll, 38" x 144" | 1 | $94.38 |
| Oil-Only Sonic Bonded Single WT. Roll, 38" x 288" | 1 | $128.13 |
| Oil-Only Sonic Bonded Heavy WT. Roll, 19" x 144" | 2 | $121.25 |
| Oil-Only Sonic Bonded Medium WT. Roll, 19" x 144" | 2 | $94.38 |
| Universal Air Laid Heavy WT. Pads, 17" x 19" | 100 | $67.50 |
| Universal Air Laid Heavy WT. Pads, 34" x 38" | 50 | $138.75 |
| Universal Air Laid Heavy WT. Roll, 38" x 144" | 1 | $138.75 |
| Universal Air Laid Heavy WT. Roll, 19" x 144" | 2 | $138.75 |
| Oil-Only Air Laid Heavy WT. Pads, 17" x 19" | 100 | $64.38 |
| Oil-Only Air Laid Heavy WT. Pads, 34" x 38" | 50 | $118.75 |
| Oil-Only Air Laid Heavy WT. Roll, 38" x 144" | 1 | $136.25 |
| Oil-Only Air Laid Heavy WT. Roll, 19" x 144" | 2 | $136.25 |
| Universal Multi-Laminate Heavy WT. Pads, 17" x 19" | 100 | $77.50 |
| Universal Multi-Laminate Medium WT. Pads, 17" x 19" | 100 | $61.25 |
| Universal Multi-Laminate Heavy WT. Roll, 38" x 144" | 1 | $151.88 |
| Universal Multi-Laminate Medium WT. Roll, 38" x 144" | 1 | $121.25 |
| Universal Multi-Laminate Heavy WT. Roll, 19" x 144" | 2 | $151.88 |
| Universal Multi-Laminate Medium WT. Roll, 19" x 144" | 2 | $121.25 |
| Oil-Only Multi-Laminate Heavy WT. Pads, 17" x 19" | 100 | $74.38 |
| Oil-Only Multi-Laminate Medium WT. Pads, 17" x 19" | 100 | $58.13 |
| Oil-Only Multi-Laminate Heavy WT. Roll, 38" x 144" | 1 | $148.13 |
| Oil-Only Multi-Laminate Medium WT. Roll, 38" x 144" | 1 | $116.25 |
| Oil-Only Multi-Laminate Medium WT. Roll, 19" x 144" | 2 | $116.25 |
| Oil-Only Melt Blown Heavy WT. Pads, 17" x 19" | 100 | $55.00 |
| Oil-Only Melt Blown Heavy WT. Pads, 34" x 38" | 50 | $108.13 |
| Oil-Only Melt Blown Medium WT. Pads, 17" x 19" | 100 | $43.75 |
| Oil-Only Melt Blown Single WT. Pads, 17" x 19" | 200 | $59.38 |
| Oil-Only Melt Blown Heavy WT. Roll, 38" x 144' | 1 | $108.13 |
| Oil-Only Melt Blown Medium WT. Roll, 38" x 144' | 1 | $89.38 |
| Oil-Only Melt Blown Single WT. Roll, 38" x 144' | 1 | $118.75 |
| Oil-Only Melt Blown Heavy WT. roll, 19" x 144' | 2 | $108.13 |

| | | |
|---|---|---|
| Oil-Only Melt Blown Medium WT. Roll, 19" x 144' | 2 | $89.38 |
| Oil-Only Melt Blown Single WT. Roll, 19" x 288' | 2 | $118.75 |
| Static-Dissipative Heavy WT. Pads, 17" x 19" | 25 | $20.63 |
| Static-Dissipative Single WT. Pads, 17" x 19" | 50 | $20.63 |
| Static-Dissipative Heavy WT. Roll, 38" x 144' | 1 | $165.63 |
| Static-Dissipative Heavy WT. Roll, 19" x 144' | 2 | $165.63 |
| Poly-Backed Rug Roll, 36" x 100' | 1 | $201.88 |
| Rag Rug Roll, 36" x 150' | 1 | $135.00 |
| Rag Rug Roll, 18" x 150' | 2 | $135.00 |
| Needle-Punch Rug, 8oz., Black, 36" x 300' | 1 | $181.88 |
| Needle-Punch Rug, 8oz., Grey, 36" x 300' | 1 | $254.38 |
| Needle-Punch Rug, 8oz., Black, 18" x 300' | 2 | $181.88 |
| Needle-Punch Rug, 16oz.,Black, 36" x 300' | 1 | $181.88 |
| Needle-Punch Rug, 8oz., Grey, 36" x 300' | 1 | $254.38 |
| Railroad Mat Roll, 59" x 100' | 1 | $505.63 |
| Grey Universal Socks, 3" x 48" | 40 | $104.38 |
| Grey Universal Socks, 3" x 8' | 20 | $104.38 |
| Grey Universal Socks, 3" x 16' | 10 | $104.38 |
| Corncob Socks, 3" x42" | 40 | $81.25 |
| White Oil-Only Socks, 3" x 48" | 10 | $35.63 |
| White Oil-Only Socks, 3" x 48" | 40 | $123.75 |
| White Oil-Only Socks, 3" x 8' | 20 | $123.75 |
| White Oil-Only Socks, 3" x 16' | 10 | $123.75 |
| Grey Universal Pillows, 18" x 18" | 10 | $74.38 |
| Grey Universal Pillows, 8" x 18" | 20 | $77.50 |
| White Oil-Only Pillows, 18" x 18" | 10 | $74.38 |
| White Oil-Only Pillows, 8" x 18" | 20 | $77.50 |
| Grey, Fine Fiber Drum Top | 25 | $64.38 |
| Blue, Fine Fiber Drum Top | 25 | $64.38 |
| Universal Drip Pan, 10.5" x 10.5" | 16 | $86.88 |
| Loose Corn Cob, 40lbs | 1 | $20.63 |
| Peat Moss, 2 Cubic ft. bag | 1 | $40.63 |
| White Oil-Only Particulate, 25lbs | | $74.38 |
| Sorbent Wringer | 1 | $357.50 |
| Oil-Only Sock Net Booms, 5" x 10' | 4 | $94.38 |
| Oil-Only Sock Net Booms, 5" x 20' | 2 | $94.38 |
| Oil-Only Sock Net Booms, 8" x 10' | 4 | $134.38 |
| Oil-Only Sock Net Booms, 8" x 20' | 2 | $134.38 |
| Oil-Only Bilge Booms, 8" x 18" | 10 | $80.63 |
| Oil-Only Laminated Folded Sweep, 19" x 100' | 1 | $93.13 |
| Oil-Only Net Bags, 21"H x16"W x 6"D | 10 | $82.50 |
| Pompoms | 30 | $70.63 |
| Pompoms on 50' Rope | 1 | $101.25 |
| HazMat Sonic Bonded Heavy WT. Pads, 17" x 19" | 100 | $74.38 |
| HazMat Sonic Bonded Single WT. Pads, 17" x 19" | 200 | $75.63 |
| HazMat Sonic Bonded Heavy WT. Roll, 38" x 144' | 1 | $145.00 |
| HazMat Sonic Bonded Medium WT. Roll, 38" x 144' | 1 | $108.13 |
| HazMat Sonic Bonded Heavy WT. Roll, 19" x 144' | 2 | $145.00 |
| HazMat Fine Fiber Heavy WT. Pads, 17" x 19" | 100 | $78.75 |
| HazMat Fine Fiber Heavy WT. Roll, 38" x 144' | 1 | $156.88 |
| HazMat Fine Fiber Heavy WT. Roll, 19" x 144' | 2 | $156.88 |
| Yellow Hazardous Socks, 3" x 48" | 10 | $40.63 |
| Yellow Hazardous Socks, 3" x 48" | 40 | $141.88 |

| | | |
|---|---|---|
| Yellow Hazardous Socks, 3" x 8' | 20 | $141.88 |
| Yellow Hazardous Socks, 3" x 16' | 10 | $141.88 |
| HazMat Sock Net Booms, 5" x 10' | 4 | $145.63 |
| HazMat Sock Net Booms, 8" x 10' | 4 | $183.75 |
| Yellow, Hazardous Pillows, 5" x 10' | 10 | $73.13 |
| Yellow, Hazardous Pillows, 8" x 10' | 20 | $77.50 |
| Universal Kaddie Kit | | $519.3 |
| Oil-Only Kaddie Kit | | $538.. |
| HazMat Kaddie Kit | | $535.63 |
| Universal 95-Gallon Kit | | $776.88 |
| Oil-Only 95-Gallon Kit | | $737.50 |
| HazMat 95-Gallon Kit | | $776.88 |
| Universal 65-Gallon Kit | | $482.50 |
| Oil-Only 65-Gallon Kit | | $462.50 |
| HazMat 65-Gallon Kit | | $500.00 |
| Universal 20-Gallon Kit | | $172.50 |
| Oil-Only 20-Gallon Kit | | $167.50 |
| HazMat 20-Gallon Kit | | $189.38 |
| Universal Trucker Kit | | $51.88 |
| Oil-Only Trucker Kit | | $41.25 |
| HazMat Trucker Kit | | $55.63 |
| 95-Gallon Over Pack | | $293.75 |
| 65-Gallon Over Pack | | $257.50 |
| 20-Gallon Over Pack | | $68.13 |
| 4-Drum with Drain | 1 | $564.38 |
| 4-Drum without Drain | 1 | $525.00 |
| 2-Drum without Drain | 1 | $341.25 |
| 2-Drum with Drain | 1 | $380.63 |
| Spill Curb | 1 | $587.50 |
| Spill Curb Corner | 1 | $70.00 |
| Spill Curb Connector | 1 | $28.75 |
| 36" Drain Cover | 1 | $562.50 |
| 42" Drain Cover | 1 | $712.50 |
| 48" Drain Cover | 1 | $887.50 |
| Survivor™ Mat Heavy WT. Roll, 38" x 144' | 1 | $194.38 |
| Survivor™ Mat Heavy WT. Roll, 19" x 144' | 1 | $96.88 |
| Survivor™ Mat Heavy WT. Roll, 19" x 144' | 2 | $194.38 |

| **Misc. Materials and Supplies:** | | |
|---|---|---|
| Double Diaphragm Pumps | $100.00 | Per Day |
| 1 ½" – 2 ½" Fire/Discharge Hose | $1.00 | Foot/Day |
| 2" and 3" Petroleum Transfer Hose | $.75 | Foot/Day |
| 4" Suction/Discharge Hose | $1.50 | Foot/Day |
| 6" Suction Hose | $4.00 | Foot/Day |
| ADS Disposable Hose (100'roll) | $155.00 | Per Roll |
| Explosion Proof Lights | $75.00 | Per Day |
| Gasoline Generator (5000 watt) | $95.00 | Per Day |
| Small Air Compressor | $150.00 | Per Day |
| Light Stand (Tow Behind) | $240.00 | Per Day |

| | | |
|---|---|---|
| Chain Saw | $80.00 | Per Day |
| Circular Saw | $60.00 | Per Day |
| Cut-off Saw | $150.00 | Per Day |
| Sabre Saw | $60.00 | Per Day |
| Weed Eater | $12.00 | Per Hour |
| Cutting Torch Set | $150.00 | Per Day |
| opus Blower | $150.00 | Per Day |
| Vet/Dry Portable Vacuum | $75.00 | Per Day |
| Drum Head Vacuum Attachment | $150.00 | Per Day |
| Drums (DOT 85 gallon over pack-steel) | $185.00 | Each |
| Drums – 30 gallon (new) | $48.00 | Each |
| Drums (DOT 55 gallon steel) | $42.50 | Each |
| Fence Post | $12.50 | Each |
| Filter Mesh Fence Cloth (1/4 by ¼ hardware cloth) | $7.25 | Per Foot |
| Labels (DOT) | $1.75 | Each |
| Duct Tape | $14.00 | Roll |
| Barrier Tape | $25.00 | Roll |
| Mobile Rap (shrink wrap) | $50.00 | Roll |
| Plastic Bags – Heavy Duty | $19.00 | Box |
| Plastic Rolls (20' x 100') | $110.00 | Roll |
| Sisal Rope (50') | $25.00 | Roll |
| Sod | Current price + | |
| Sod Staples | $50.00 | Box |
| Top Soil | Current price + | |
| Grass Seed | Current price + | |
| Curlex Matting | $105.00 | Roll |
| Explosion meter (02/LEL/CO/H2S) | $80.00 | Per Day |
| Mercury Vapor Analyzer | $250.00 | Per Day |
| Mercury Vacuum | $350.00 | Per Day |
| Negative air Fans | $150.00 | Per Day |
| MSA Quick Pump | $45.00 | Per Day |
| PID | $200.00 | Per Day |
| PH Paper | $15.00 | Roll |
| PCB Test Kit (field test) | $30.00 | Each |
| Chlor-D-Tech Kit | $35.00 | Each |
| Sample Collection Kit | $10.00 | Each |
| Glass Sample Tubes | $15.00 | Each |
| Uni-hoist | $230.00 | Per Day |
| Gas Free Certificate (Marine Chemist) | cost plus 20% | |

- All charges for labor and equipment will be charged on a portal-to-portal basis with a four (4) hour minimum. Overtime rates of time and one half apply to any work performed before 7:00am and after 4:00pm Monday through Friday on labor only. Work on Sundays and Holidays will be billed at double time.
  Capture time will be computed as 8 hours straigh[illegible]ne and 4 hours over t[illegible]ie Monday through Friday, Saturday will 12 [illegible]s over time, Sunda[illegible]nd Holidays will be b[illegible]led as double time for time aboard vessels. [illegible] additional hours are worked they will be billed [illegible]ccordingly. No Per Diem will be charged for this time.
- Training time will be billed at a 5% disco[illegible]t. If travel for training purposes is less than one hour from site no travel time will be billed.
- Partial Per Diem allowance of $35.00/per man for work performed after 7:00PM.
- Full Per Diem of $70.00 per man will be billed when work is out of town (>50 miles from office of origin) or hotel stay is required. Hotel costs will be billed at cost +25%
- Disposal will be quoted on a case-by-case basis.
- Sub-Contractors and Rental Equipment will be billed at cost +25%
- A 25% energy surcharge will apply to equipment only
- Replacement blades will be charged at a cost plus 25% basis.
- Detector tubes vary in price and will be billed at a cost plus 25%.

Customer Initials: _____ FCC environmental Rep Initials: _____

Date: 10/9/09 Date: 10.9.09

AES Atlantic Environmental Services

P.O. Box 1715, Beltsville, Maryland 20704

September 18, 2009

Mr. Jeffrey H. Windham
Ground Support Manager
Chantilly Air, Inc.
10761 James Payne Court
Manassas, Virginia 20110

RE: Emergency Response Services, Manassas Airport, Observation Road, Manassas, Virginia

Dear Windham:

Per our agreement with Chantilly Air, Inc., AES has agreed to be your 24 hour emergency response spill contractor for operations at the Manassas Airport. The following are our emergency contacts for fuel spills at the referenced site. AES's yard/warehouse is located at Balls Ford Road in Manassas and we are capable of responding to fuel releases within 30 minutes of notification.

Office #: 800-844-8265
Steve Burns: 703-928-1152
Mark Olson: 703-928-3993

If you have any question regarding the information provided, please do not hesitate to call me at 301-937-1818 or 703-928-1152 (mobile).

Sincerely,
Atlantic Environmental Services

Stephen J. Burns
Environmental Scientist

# EMERGENCY RESPONSE CONTRACT AGREEMENT

This contract agreement is made this 21st day of NOVEMBER, 2005, by and between USFILTER and FLIGHTWORKS hereinafter known as (Client) located at 10791 JAMES PAYNE CT. Phone number 703-596-8786
MANASSAS VA 20110

**SCOPE OF WORK (Description of Services)**

Mobilize an emergency response crew and all necessary equipment and materials within 2-3 hours to respond to non-hazardous releases of petroleum; remote locations may require an additional response time. Response times should not exceed 24 hours. Emergency activities may include but are not limited to the following:

- Free product abatement via vacuuming out storm drains, ditches, tank pit wells, sumps, etc.
- Free product abatement via placement and collection of absorbent booms and pads.
- Contaminated soil abatement, e.g. removal/loading and hauling of impacted soils using hand or mechanical excavating equipment, drums, etc.
- Reasonable site restoration, e.g. topsoil, reseeding where necessary.
- Where applicable, coordinate with federal, state and local emergency response organizations and coordination with the Virginia Department of Transportation.

In all cases, billing for emergency responses will be determined using the attached unit rate schedule, and the scope of work will be determined by the Client with verbal approval for any emergency work prior to initiation, with written confirmation within 24 hours. All reports or letters (as requested or directed by the DEQ) will be the responsibility of the Client.

**Condition of Work Scope:** All work shall be performed in accordance with the applicable Federal, State and Local laws, regulations and permits. The Client shall be responsible for insuring that his forces work in harmony with contractor.

**Indemnity:** The Client shall indemnify and hold harmless the contractor for all the claims for direct damage to persons or property due to any wrongful act or omission by the Client, its agents, servants or employees during the performance of its work or services herein described.

**Payment Terms:** The contractor shall invoice the client for all cost of all services rendered, materials, supplies, and/or equipment delivered or picked up. **Payment is due** 30 Day **NET 30 days, with a service charge of 1.5% per month on all accounts past due after 30 days.**

In the event of default, the Client and/or the guarantors shall pay all cost of collection. Including, but not limited to, court cost, private process fee, discovery expense, and an attorney fee of 30% of the amount owed. In the event of default, the contractor may, at its option, refuse further orders from the Client, cancel outstanding orders, declare due and payable all outstanding invoices to the contractor, whether or not such invoices would be due and payable under any other provision of this contract.

The failure of USFILTER INC. to enforce in any one or more instances any covenant or provisions herein contained, shall not be constructed as a waiver nor shall it discharge or invalidate such covenant or provision or affect the right of USFILTER to enforce the same for any subsequent breach or default.

Mr. Hiram Dewey
Proposal #11051998
November 8, 2005

SIGNED IN AGREEMENT

FLEETWORKS
CLIENT NAME

AUTHORIZED REPRESENTATIVE

DATE

USVILTER RECOVERY SERVICE INC.
CONTRACTOR

AUTHORIZED REPRESENTATIVE

11/28/05
DATE

**24-HOUR EMERGENCY CONTACT NUMBER:**
**1-888-749-8344**

Spill Response Contract

**Remtech Professional Services Agreement**

This agreement referenced to Purchase Order Number or Client Reference Number N/A is to authorize Remtech for engineering services according to the scope of work as outlined below.

1.0.1. DESCRIPTION: Remtech shall furnish professional environmental services to include labor, materials, tools, equipment, supervision, transportation and other related services to perform the tasks outlined below:
Provide emergency response services to include environmental spills, site remediation, environmental training, and environmental consulting on a time and materials basis (according to Remtech's Professional Billing Schedule) on a project by project basis as authorized by Flight Works. A confirming scope of work for each project will be transmitted to Flight Works.

1.0.2. RESPONSIBILITY FOR COMPLETION & LIMITS OF LIABILITY: It is understood that the nature of project(s) involve certain unknowns beyond the control of Remtech or the client. Remtech will make every reasonable effort to keep the client informed of conditions that may affect cost, work progression and completion. Under no circumstances will Remtech become the generator of any wastes involved, be responsible of attorney fees resulting from performance of this contract, third party suits, or other charges not directly associated with the completion of the scope of work. Remtech makes no representations as to areas not sampled, techniques used and samples not tested. The client will hold Remtech harmless from all liabilities except Remtech's intentional or gross negligence acts. Gross negligence shall not be interpreted to include: action taken or not taken by Remtech during adverse weather conditions, labor disputes, sabotage by third parties, any action taken by third parties, information transmitted by any method from the client for Remtech's use, or client imposed restrictions including delays in authorization, or other conditions beyond Remtech's control or limitations in the scope of work that limits Remtech's ability to take reasonable action to complete the scope of work defined by this contract.

To the fullest extent permitted by law, and notwithstanding any other provision of this Agreement, the total liability, in the aggregate, of Remtech and Remtech's officers, directors, partners, employees, agents, and consultants, and any of them, to OWNER and anyone claiming by, through or under OWNER, for any and all claims, losses, costs or damages whatsoever arising out of, resulting from, or in any way related to the Project or the Agreement from any cause or causes, including but not limited to the negligence, professional errors or omissions, strict liability or breach of contract or warranty expressed or implied of Remtech or Remtech's officers, directors, partners, employees, agents or Remtech's consultants or any of them, shall not exceed the fees associated with the scope of work assigned herein.

2.0.1. BASELINE CONDITIONS: Remtech shall be allowed to monitor baseline site conditions including but not limited to the collection of information, samples, or other methods to document conditions, before, during and following work completion to protect Remtech's interest. Remtech shall be allowed to exercise professional discretion to protect Remtech's interest in the execution of the contract.

2.0.2. RESPONSIBILITIES: Remtech will not be held responsible for costs associated with time and spatial change in the nature, extent, or amount of contamination that may occur due to force majeure conditions or other conditions including: natural causes, third party actions, decontamination or clean-up standards, availability of resources, actions taken by regulatory or other parties, or conditions that can not be visibly observed, reasonably measured, controlled or reasonably expected to be present at the work site

2.0.3. PROPERTY ASSESSMENTS: It is understood and agreed by the parties that a full and complete determination as to whether a certain piece of land is or is not free from environmental contamination cannot be made. The extent of testing and statistical confidence associated with a property assessment is balanced against a reasonable project budget, and as such, 100% confidence in property assessment conclusions can never be reached. As such, it is agreed that Remtech will not provide guarantees, certifications, or warranties that a property is free from environmental contamination.

Remtech's liability, with respect to findings and conclusions reported by Remtech, is limited to the scope of the environmental assessment as set forth herein. Remtech assumes no liability under this report except in the case of Remtech's gross negligence, willful malfeasance or willful nonfeasance. Remtech makes no representations as to areas not sampled, techniques used and samples not tested.

3.0.1. SCOPE OF PAYMENT: Time and material charges will be according to Remtech's published billing schedule and will include such items as baseline videotaping, collection of samples, sample splitting, industrial hygiene monitoring, and medical surveillance. The client will reimburse Remtech for portal to portal time and material charges incurred at the work site, away from the work site, for management, administrative, records maintenance and production; demobilization, re-inventorying, decontaminating, and repairing of material and equipment; subsistence; demurrage, mobilization, transportation; permitting charges; sampling charges; storage; site stabilization during adverse weather conditions; special additional insurance requested by the client; and project delays or standby time and other identifiable expenses, charges or fees associated with the completion of this work according to Remtech's published rates. Remtech will make a reasonable effort to complete the scope of work utilizing good engineering practices. Remtech shall prepare and submit to the Owner by the fifteenth and/or thirtieth of each month an itemized statement (invoice) covering the costs and fees (charges) for the work performed in the covered time period. Supporting documentation will include computer documentation of time and material charge categories listed on Remtech's billing schedule plus vendor or subcontractor invoices not included on Remtech's published billing schedule. Remtech shall provide an estimate based on the scope of work to the Owner. Remtech shall be reimbursed for damages to equipment (or replacement), supplies, or other resources expended or affected by contamination or conditions beyond Remtech's control.

3.0.2. PAYMENT SCHEDULE: Owner shall pay Remtech for the services noted on each invoice statement within ten (10) days of the date of Remtech's invoice. Payments not made within a 30-day period shall be subject to a monthly finance charge of 1.5%. This finance charge will be calculated on any unpaid balance from the date of invoice until Remtech Engineers receive payment in full.

The Owner or owner's representative is personally liable on behalf of the business entity referenced herein for all current and future charges, fees, including any collection and/or attorney's fees associated with collection of fees charged by Remtech. The individual signing this contract promises to pay interest at the rate of 1.5% per month or 18% A.P.R. on all past due accounts.

3.0.3. RATE SCHEDULES: All work shall be performed in accordance with Remtech's published billing schedule, as has been incorporated into this document, on a time and materials basis, unless otherwise stated and printed within this contract. Work will charged as portal to portal plus freight. **Non-Exempt Personnel Emergency Response Work** – 1.5 times hourly rate for time before 8:00 a.m. or after 5:00 p.m and weekends. Double time for Holidays. **Exempt Personnel Emergency Response Work** – 1.3 times hourly rate for time before 8:00 a.m. or after 5:00 p.m and weekends. Double time for Holidays. **Standard Work Non-Exempt Personnel** - 1.5 times hourly rate for time before 8:00 a.m. or after 5:00 p.m and weekends. Double time for Holidays. **Standard Work Exempt Personnel** - straight time rates will be charged for hours worked up to 50 hours per week. Exempt classifications will be charged at 1.3 times straight time for hours worked in excess of 50 hours per week, and for any work on weekends. Double time for holidays. Premium emergency response rates will be charged according to the terms and conditions on Remtech's published billing schedule.

Remtech reserves the right to adjust rates due to vendor rate changes, availability or materials and equipment, delivery conditions, or charges and expenses beyond the control of Remtech. Remtech will promptly notify (within 10 working days) the client of any known changes in rates or estimates as soon as this information is available to Remtech. Items and subcontractors not listed on Remtech's billing schedule will be charged to the client with a 20 percent service fee applied. Pollution liability and errors and omissions insurance will be charged to the client at 5% of total billings. The American Arbitration Association shall settle any controversy or claim arising out of, or relating, to this contract or breach thereof, and judgment upon the award rendered by the Arbitrator(s) may be entered into any court having jurisdiction thereof. The Owner will be responsible for any collection and/or attorney's fees associated with collection of fees charged by Remtech.

3.0.4. TERMINATION OF SERVICES: If Remtech is not permitted to complete the work by the client as defined in the scope of work by the client, or other factors beyond Remtech's control, payment for services rendered including demobilization, re-inventorying, decontaminating, repairing, and completing internal records, and all other charges associated with closing the project will be paid by the client net ten (10) days. Fourteen - (14) days notice shall be given by the client prior to termination of Remtech services.

3.05. INSURANCE: Remtech will provide the OWNER with a certificate of insurance indicating the insurance that Remtech has in force at the time of this contract. Subcontractors will be required to supply a certificate on insurance and Lien Waiver Statements that are acceptable to Remtech.

This agreement shall commence on 12/15/10 and is signed by an authorized representative of the client and Remtech.

Client/Owner Company: Flightworks

Individual and Authorized Agent: (Please Print) Steven L. Betts

Title: Maint. Operations Manager Date: 12/15/10

Address: 10751 James Payne Court

City: Manassas State: ~~GA~~ VA Zip: 20110

Telephone: 703-396-8786 FAX: 703-396-8789

Signature: Steven L. Betts

Contractor: REMTECH ENGINEERS

Authorized Agent: (Please Print) Mark Ryckman

Title: Principal Engineer

Address: 200 North Cobb Parkway, Suite 208 Date: _____

City: Marietta State: GA Zip: 30062

Telephone: 770-427-7766 x 203 FAX: 770-427-7001

Signature: _____

## Appendix F

### *Spill Notification Phone List & Checklist*

## Spill Notification Phone List

| | Responsible Party | Contact number(s) |
|---|---|---|
| 1 | City of Manassas Emergency Response | 911 |
| 2 | Airport Operations Specialist | (703) 361-1882 (Day)<br>(703) 361-5488 (Hotline) |
| 3 | City of Manassas Safety Officer | (571) 238-4853 Cell<br>703-257-8282 Office |
| 4 | Airport Director | (703) 361-1882 (Day)<br>(571) 238-0520 (Cell) |
| 5 | Airport Maintenance | (703) 361-5438 (Hotline) |
| 6 | ENSAT Corporation | (800) 753-6728 (24h)<br>(877) 320-6539 (Pgr)<br>(540) 272-0978 (Cell) |
| 7 | Chantilly Air | (703) 361-8253<br>(571) 218-6085 (cell) |
| 8 | MJ Colgan | (703)369-0500 |
| 9 | APP Jet Center | (703) 392-5387<br>(571) 762-6242 (cell) |
| 10 | FlightWorks | (540) 522-9540 (cell)<br>(800) 255-1971 |
| **When notified, the Airport Director's Office will then notify the required government agencies.** | | |
| 11 | National Response Center | (800) 424-8802 |
| 12 | VA Department of Environmental Quality (m-f 8am-5pm) | (703) 583-3800 |
| 13 | VA Department of Emergency Services (24 hrs.) | (800) 468-8892 |
| 14 | Prince William County Water Authority | (703) 335-7900<br>(703) 335-7405 (ofc) |
| 15 | Prince William County Hazardous Materials Officer | (703) 792-6813 (24-hr) |

## Appendix G

## *Material Safety Data Sheets*

# Appendix H

## *Training, Testing, and Inspection Requirements*

**SPCC and ODCP**
**Training Requirements**

**Operators are responsible for conducting all training for pertinent employees, and for maintaining all appropriate records.**

## SPCC

| Regulation | Description |
|---|---|
| 112.7 (f) (1) | Train oil-handling personnel in: |
| | Operation & maintenance of equipment to prevent discharges |
| | Discharge procedure protocols |
| | Applicable regulations |
| | Contents of facility SPCC Plan |
| 112.7 (f) (3) | Schedule & conduct oil discharge briefings for all oil-handling personnel annually to assure understanding of facility SPCC Plan. Briefings must include: |
| | Known discharges or failures |
| | Malfunctioning components |
| | Precautionary measures |

***All SPCC training records must be maintained for three years.***

## ODCP

| Regulation | Description |
|---|---|
| 9 VAC 25-91-130 B (6) (a) | Establish a training program for personnel conducting daily & weekly inspections. Records shall contain basic information and procedures required. |
| 9 VAC 25-91-130 B (6) (a) (1) | Establish training within 6 months of facility being brought into use. |
| 9 VAC 25-91-130 B (6) (b) | Personnel not receiving initial training and who conduct inspections shall receive the training prior to conducting any inspection. |
| 9 VAC 25-91-130 B (6) (b) (1) | Conduct personnel training within 12 months of the facility being brought into use. |
| 9 VAC 25-91-130 B (6) (c) | Training for personnel conducting inspections shall include at a minimum: |
| 9 VAC 25-91-130 B (6) (c) (1) | Basic information regarding occupational safety, hazard recognition, personnel protection, and facility operations |
| 9 VAC 25-91-130 B (6) (c) (2) | Procedures to be followed when conducting visual facility inspections |
| 9 VAC 25-91-130 B (6) (c) (3) | Procedures to be followed when hazard or potential hazard is recognized |
| 9 VAC 25-91-130 B (6) (c) (4) | Procedure for evaluating the condition of the ASTs and appurtenances |
| 9 VAC 25-91-130 B (6) (d) | The operator shall train personnel upon any changes to the training program or every 3 years & shall document this training in facility records. |
| 9 VAC 25-91-170 A (16) | The ODCP shall include a description of training, equipment testing, and periodic unannounced spill drills conducted by the operator to mitigate or prevent the discharge or threat of discharge. |

***All ODCP training records must be maintained for five years.***

**SPCC and ODCP**
**Tests Inspections Requirements**

**Operators are responsible for conducting all applicable tests and inspections on their respective above ground storage tanks, and for maintaining all appropriate records.**

## SPCC

| Regulation | Description | Frequency |
|---|---|---|
| 112.7 (e) | Must do inspections/test on Tanks | |
| 112.8 (d) 4 | Transfer operations: Inspect aboveground valves, piping etc. conduct integrity & leak test of buried piping | construction, relocation, or replacement. |
| 112.7 (h) 3 | Inspect for discharges when truck leaves | Every delivery |
| 112.8 (c) 4 | Leak test completely buried metallic storage tanks | Regularly |
| 112.8 (c) 6 | Visual inspections | Daily or monthly typ. |
| | Inspect container, supports, and foundation | Daily or monthly typ. |
| 112.8 (c) 6 | *Shell thickness testing | 10 years |
| 112.7 (i) | Brittle-fracture test for field constructed AST | Repair, Alternation, etc. |
| 112.8 (c) 8iv | Test liquid level sensing device | Regularly |
| | | |
| 112.8 (b) 1 | Inspect accumulation in secondary containment | Prior to emptying |

*Shop-built aboveground containers with a shell capacity of 30,000 gallons or under that are visually inspected appropriately on all sides, including the bottom, and have certain structures to ensure the container is not in contact with the soil are not subject to the integrity testing requirements because this provides equivalent environmental protection as addressed in 40 CFR 112.7(a)(2), per a settlement agreement with American Petroleum Institute and EPA

***All SPCC inspection and testing records must be maintained for three years.***

## ODCP

| Regulation | Description | Frequency |
|---|---|---|
| 9VAC25-91-130B.2 | Evaluation/Certification of secondary containment | 10 years |
| 9VAC25-91-130B.3 (c.) | Test automatic shutdown system | Each oil delivery |
| 9VAC25-91-130B.3 (d) | Calibrate tank gauges | annually |
| 9VAC25-91-130B.4 | Piping pressure tested | 5 years |
| 9VAC25-91-130B.5 | Weekly inspections | Weekly |
| | (1) Containment dike or berm in satisfactory condition. | Weekly |
| | (2) Containment area free of excess standing water or oil. | Weekly |
| | (3) Gate valves used for emptying containment areas secured. | Weekly |
| | (4) Containment area/base of tank free of high grass, weeds, and debr | Weekly |
| | rivets/bolts, seams, and foundation, visually inspected for areas of rust and other deterioration | Weekly |
| | (6) Ground surface around tanks and containment structures and transfer areas checked for signs of leakage | Weekly |
| | (7) Leak detection equipment in satisfactory condition. | Weekly |
| | (8) Separator or drainage tank in satisfactory condition. | Weekly |
| | (9) Tank water bottom drawoffs not in use are secured. | Weekly |
| | (10) Tank fill valves not in use are secured. | Weekly |
| | (11) Valves inspected for signs of leakage or deterioration. | Weekly |
| | (12) Inlet and outlet piping and flanges inspected for leakage. | Weekly |
| | (13) All tank gauges have been inspected and are operational. | Weekly |
| | External test for every tank over 12,000 gal. | 5 years |
| 9VAC25-91-130B.5 | Visual Inspections all tanks > 660 (not operational) | Daily |
| | 1 - Walk through of property, verify no hazards | Daily |
| | 2 - Ground-look for leaks | Daily |
| | 3 - Diked areas for water accumulation | Daily |
| | 4 - Exterior tank - look for signs of leak or deterioration | Daily |
| | 5 - Condition of AST & appurtanences | Daily |
| 9VAC25-91-100 | Tank Registration | Initial/5 yr. renewal |
| 9VAC25-91-130(B) | Inventory control reconciliations | Monthly |
| 9VAC25-91-130(B) | Tanks gauged | Every 14 days |
| 9VAC25-91-170 | Submit plan | Every 60 mo. |
| 9VAC25-91-170 | Significant plan changes - Submit plan | Within 30 days |

***All ODCP inspection and testing records must be maintained for five years.***

CAMPBELL & PARIS ENGINEERS
4215 LAFAYETTE CENTER DRIVE, SUITE 2
CHANTILLY, VIRGINIA 20151
WWW.CAMPBELL-PARIS.COM
TEL 703.802.9093
FAX 703.802.0181

PLANNING, DESIGN AND CONSTRUCTION MANAGEMENT FOR THE 21ST CENTURY

November 9, 2010

Ms. Jolene K. Berry
Airport Operations
Manassas Regional Airport
P.O. Box 560
Manassas, VA 20108

RE: Manassas Regional Airport
C&P Job No. 0038-24
Fuel Farm Expansion
Letter No. 001rev2

Dear Ms. Berry:

The total containment capacity of the existing Fuel Farm Facility is 114,594 gallons. According to 40 CFR Part 112 the facility must provide for the most likely quantity, which since the tanks are separate, individual tanks, is the size of the largest tank (20,000 gallons). Therefore the facility's containment capacity exceeds this requirement.

Total Containment Capacity = 156' x 49.1' x 2' = 15,319 cubic feet
15,319 cubic feet = 114,594 gallons
Largest Tank (most likely quantity) = 20,000 gallons

I hereby certify that the secondary containment for Manassas Regional Airport Fuel Farm is in compliance with the applicable requirements of 40 CFR 112, NFPA 30, and 29 CFR 1910.106.

Please feel free to call me if you have any questions or concerns.

Very Truly Yours,
CAMPBELL & PARIS ENGINEERS

H.D. Campbell, PE - C&PE

COMMONWEALTH OF VIRGINIA
H. D. CAMPBELL, JR.
Lic. No. 0684110
PROFESSIONAL ENGINEER

9 Nov. 2010

CAMPBELL & PARIS ENGINEERS
4210 LAFAYETTE CENTER DRIVE, SUITE 2
CHANTILLY, VIRGINIA 20151
WWW.CAMPBELL-PARIS.COM
TEL 703.502.0093
FAX 703.802.0181

PLANNING, DESIGN AND CONSTRUCTION MANAGEMENT FOR THE 21ST CENTURY

October 5, 2010

Ms. Jolene K. Berry
Airport Operations
Manassas Regional Airport
P.O. Box 560
Manassas, VA 20108

RE: Manassas Regional Airport
C&P Job No. 0038-24
Fuel Farm Expansion
Letter No. 001rev

Dear Ms. Berry:

The total containment capacity of the existing Fuel Farm Facility is 114,594 gallons. According to 40 CFR Part 112 the facility must provide for the most likely quantity, which since the tanks are separate, individual tanks, is the size of the largest tank (20,000 gallons). Therefore the facility's containment capacity exceeds this requirement.

Total Containment Capacity = 156' x 49.1' x 2' = 15,319 cubic feet
15,319 cubic feet = 114,594 gallons
Largest Tank (most likely quantity) = 20,000 gallons

Please feel free to call me if you have any questions or concerns.

Very Truly Yours,
CAMPBELL & PARIS ENGINEERS

Michael Vanderbilt

cc: H.D. Campbell, PE - C&PE

COMMONWEALTH OF VIRGINIA
H. D. CAMPBELL, JR.
Reg. No. 008440
PROFESSIONAL ENGINEER

5 October 2010

RECEIVED
OCT - 8 2010

# Hazard Communication 29 CFR 1910.1200
## Spill Training
November 1, 2006
Richard Hill; Instructor

| Name Print | Name Sign | Employer |
|---|---|---|
| Jolene Kralovetz | Jolene K. Kralovetz | Airport Ops |
| GERRY MOORE | Gerald J. Moore | Colgan Air |
| Stephen Dobbins | | Airport Ops |
| JEFF MOORE | | COLGAN AIR |
| MARCELLE LEE | | COLGAN AIR |
| MIGUEL SERNA | | COLGAN AIR |
| DESMOND BOYER | | COLGAN AIR |
| JONATHAN CARRUTHERS | | NEXTFLIGHT |
| Alex G. Lee | Alex G. Lee | NextFlight |
| Nicholas Gardner | | COM |
| PATRICK JACOBO | | NEXT FLIGHT |
| Gilmar Garrigo | | NEXTFLIGHT |
| DEBORAH Haycock | Deborah Haycock | Colgan Air. |

# Hazard Communication 29 CFR 1910.1200
## Spill Training

November 2, 2006
Richard Hill; Instructor

| Name Print | Name Sign | Employer |
|---|---|---|
| Brian Dower | | Flightworks Inc. |
| Jon-Stephen Vasko | | Flightworks Inc. |
| David F Ortiz | | Museum |
| A.J. Para | | Next Flight Aviation |
| STEVE TAYLOR | | NEXTFLIGHT |
| KENNETH McNEIL | | NEXTFLIGHT |
| Henry Graves | | Dulles Aviation |
| Cameron Williams | | Dulles Aviation |
| Humphrey Stryker | | NEXT FLIGHT |
| Mike France | | |
| JEREMY JACOBS | | Odyssey Aviation |
| BRIAN NACE | | Dulles Aviation |
| Jeff CLAYBORN | | H.E.F |

# Manassas Regional Airport
Harry P. Davis Field

P.O. Box 560
Manassas, VA 20108

Facsimile: 703/257-8286
Telephone: 703/361-1882



MAYOR
Douglas S. Waldron

CITY COUNCIL
Harry J. Parrish II, V. Mayor
Marc T. Aveni
Andrew L. Harrover
J. Steven Randolph
Steven S. Smith
Jonathan L. Way

CITY MANAGER
Lawrence D. Hughes

JUAN E. RIVERA
*Airport Director*


## Fuel Farm Meeting
## 11-29-07

1. Sign-in
2. Van Crosby, USI Insurance Services Corp.
3. Fuel Tank Numbers
4. Fuel Trucks
5. ODC Plan Review
6. ODC Plan Tenant Operator Agreement

Fuel Farm Meeting 11-29-07
ODC Plan Training

| Print Name | Employer | e-mail |
|---|---|---|
| DAVID PRINCE | FLIGHTWORKS | DPRINCE@FLIGHTWORKS.com |
| Stephen Vasko | FlightWorks | JVASKO@FlightWorks.com |
| DARYL F. LACLAIR | COLGAN AIR | DARYLLACLAIR@COLGANAIR.COM |
| Mike France | Volo Aviation | mfrance@nextflightjets.com |
| JC Stevens | Chantilly Air | jcstevens@chantillyair.com |
| Matt Aikens | City of Manassas | |
| VAN CROSBY | USI INSURANCE | VAN.CROSBY@USI.BIZ |
| CHARLTON L. RESURRECCION | DULLES AVIATION | CHARLTON@DULLESAVIATION.COM |
| JUAN E. RIVERA | MANASSAS Airport | jrivera@ci.manassas.va.us |
| Jolene Berry | Manassas Airport | |

11/13/08

fuel Farm Trainings clean up + Reporting

| NAME | COMPANY | PHONE NO. |
|---|---|---|
| | | |
| John Quinn | Chantilly Azr | 703-361-8253 |
| JC Stevens | Chantilly Air | " " |
| Champion Resurreccion | Dulles Aviation's / Flight Work | 703-843-8023 |
| Mike France | Vob Aviation | 703-853-7490 |
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ODC/SPCC Training 9/3/09

# Manassas Regional Airport

## Meeting Sign-in Sheet

| Name | Company | Email | Phone |
|---|---|---|---|
| JOHN QUINN | CHANTILLY AIR | JOHNQUINN@CHANTILLYAIR.COM | 703-361-8253 |
| Mike Mullens | Volo Aviation | mmullens@voloaviation.com | (703) 853-7440 |
| Jonathan Pilkins | Volo Aviation | Nofxsrip@msn.com | (703) 392-5387 |
| CHARLTON C. RESURRECCION | DULLES AVIATION | CHARLTON@DULLESAVIATION.COM | (703) 843-8024 |
| CHARLTON C. RESURRECCION | FLIGHTWORKS | CRESURRECCION@FLIGHTWORKS.COM | (703) 843-8024 |
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ARC/SPCC Training
11/29/12

# Manassas Regional Airport

## Meeting Sign-in Sheet

| Name | Company | Email | Phone |
|---|---|---|---|
| Steve Betts | Flightworks | sbetts@flightworks.com | 703-356-8886 |
| Windham, J. H. | Chantilly A&P, Inc. | JeffWindham@chantillyap.com | 703-361-8253 |
| Matt Adkins | HEF | Madkins@ci.manassas.va.us | 703-361-1882 |
| Tom Gardner | Dulles Aviation | Tom@DullesAviation.com | 703-361-2171 |
| Quinn Redden | APP Jet Center | QRedden@APPJetCenter.com | 571-762-6242 |
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ODC/SWPP/SPCC Training
June 1 10AM
2011

# Manassas Regional Airport

## Meeting Sign-in Sheet

| Name | Company | Email | Phone |
|---|---|---|---|
| Humphrey Stryker | Chantilly Air | humphreystryker@chantillyair.com | (703)586-2933 |
| Dustin Whatley | Chantilly Air | dustinwhatley@chantillyair.com | (703)983-1187 |
| Jacob Coleman | Chantilly Air | Jacob Coleman @ Chantillyair.com | 571-334-1615 |
| Jeremie childs | APP Jet Center | Jchilds@appjetcenter.com | 703-895-0219 |
| Jonathan Pilkins | APP Jet Center | nofxspcp@msn.com | 1-703-895-0366 |
| Bill Young | Dulles | | 703 361 2171 |
| Brian Nace | APP Jet Center | NAIRBECAN@Gmail.Com | 202-812-5337 |
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# Manassas Regional Airport

## Meeting Sign-in Sheet

ODC/SWPP/SPCC Training
10/20/11 @ 1:30pm

| Name | Company | Email | Phone |
|---|---|---|---|
| Robert Earl Harris Jr | METROPOLITAN | BHARRIS@METROPOLITANJETS.com | 703-203-1882 |
| James Landon Morgan | METROPOLITAN AVIATION | jmes@metropolitanjets.com | 703-530-6299 |
| Randal C. Whitley | Metropolitan Aviation | RWhitley@Metropolitanjets.com | 703-530-6299 |
| Richard R. Hutton | Metropolitan Aviation | RHUTTON@METROPOLITANJETS.COM | 571-330-6102 |
| Allen Russell Cook Jr. | Metropolitan Aviation | arcook@metropolitanjets.com | 703-530-6299 |
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ODC/SWPP/SPCC Training
June 7, 21 @ 2pm
2011

# Manassas Regional Airport

## Meeting Sign-in Sheet

| Name | Company | Email | Phone |
|---|---|---|---|
| Byron Jonson | Dulles Aviation | | |
| Ferhat Djouadi | Dulles Aviation | F-Djouadi@yahoo.com | |
| Cameron Williams | Dulles Aviation | | |
| Chris Yarbrough | APP | | |
| Curtis Haynes | APP | | |
| A.J. Para | APP | | |
| Richard Alabaugh | Manassas Airport | | |
| Henry Graves | APP | | |
| CHARLTON RESURRECCION | FLIGHTWORKS / DULLES AVIATION | CHARLTON@DULLESAVIATION.COM | (703)361-2171 |
| Anthony Foglietta | APP | | |
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7/11/12 ARC/SPRC Training

# Manassas Regional Airport

## Meeting Sign-in Sheet

| Name | Company | Email | Phone |
|---|---|---|---|
| CHARLTON RESURRECCION | DULLES AVIATION / FLIGHTWORKS | CHARLTON@DULLESAVIATION.COM / CRESURRECCION@FLIGHTWORKS.COM | (571) 214-6085 |
| Carlos Archila DeLeon | Dulles AVIATION | chino.guate@gmail.com | (571) 606-1332 |
| EDWARD HUDSON | DULLES AVIATION | EDWHUDSONJR@GMAIL.COM | (631) 972-8034 |
| Bill YOUNG | " | Crouch18235@aol.com | 703 801 4741 |
| Brian | APP | | 703-392-5387 |
| Jeremie childs | APP | Streetvisionjc@aol.com | 703-895-0219 |
| A.J. Para | APP | Sndbase8@MSN.COM | (703) 338-8713 |
| CLAYTON JONES | AIRPORT | cjones@manassasva.gov | (317) 525-4361 |
| JOHN QUINN | CHANTILLY AIR | JOHNQUINN@CHANTILLYAIR.COM | 703-980-9182 |
| OSKAR ZAYAS | CHANTILLY AIR | OSKARZAYAS@CHANTILLYAIR.COM | 703.361-8253 |
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7/12/12 ~~ADC/SPCC Customs~~ ADC/SPCC Training

# Manassas Regional Airport

## Meeting Sign-in Sheet

| Name | Company | Email | Phone |
|---|---|---|---|
| Alan Cook Jr. | metropolitan Aviation | arcook@metropolitanjets | 703 573 2615 |
| Rich Hutton | METROPOLITAN AVIATION | rhutton@metropolitanjets.com | 5713306120 |
| James Morgan | Metropolitan Aviation | james@metropolitanjets.com | 703-409-0580 |
| Robert Earl Harris JR | METROPOLITAN AVATION | bharris@metropolitanjets.com | 703-203-1882 |
| Joseph B. McLamb | Dulles Aviation | JoeMcLamb@A.m.com | 540-623-3024 |
| Jorge Franco | Dulles Aviation | Jfranco@gmail.com | 703-843-3589 |
| Jonathan Pilkins | App Jet Center | nofxspcp@msn.com | 703-895-0366 |
| Henry Graves | App Jet center | Hgraves3@Gmail.com | (703) 906-7180 |
| Robert Wentzl | App Jet Center | Robert Wentzl@Gmail.com | 845-549-2279 |
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ODC/SRCC Tg
7/25/13
1:30pm

# Manassas Regional Airport

## Meeting Sign-in Sheet

| Name | Company | Email | Phone |
|---|---|---|---|
| Bobby Harris | METROPOLITAN | bharris@metropolitanJETS.com | 703-203-1882 |
| Billy Rudolph | metropolitan | " " | 540-222-1753 |
| Brandon Sprague | APP Jet Center | thebrandonsprague@gmail.com | 540 848 0645 |
| A.J. Para | APP Jet Center | Sndbases8@msn.com | 703-895-0219 |
| EDWARD HUDSON | DULLES AVIATION | EDWHUDSON37@GMAIL.COM | (631) 972-8034 |
| EDUARDO QUIÑONES | APP JET CENTER | EQUINONES787@GMAIL | 301-748-9507 |
| Tom Gardner | Dulles Aviation | Tom@DullesAviation.com | 703-401-8883 |
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QDC/SWPP Training
7/9/13 @ 1030Am

# Manassas Regional Airport

## Meeting Sign-in Sheet

| Name | Company | Email | Phone |
|---|---|---|---|
| Jeremie Childs | APP Jet Center | Jchilds@appjetcenter.com | 703-895-0219 |
| Jonathan Pilkins | App | Jpnofx@live.com | 703-895-0366 |
| STEVE BETTS | FlightWorks | sbetts@flightworks.com | 703-396-8786 |
| Jorge Franco | Dulles Aviation | JFranco0227@gmail.com | 703-843-3589 |
| Richard Allabaugh | HEF Airport | rallabaugh@manassasva.gov | 703-257-8402 |
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DOC/SWPP Training
7/10/13 @ 2:30pm

# Manassas Regional Airport

## Meeting Sign-in Sheet

| Name | Company | Email | Phone |
|---|---|---|---|
| CHARLTON RESURRECCION | DULLES AVIATION | CHARLTON@DULLESAVIATION.COM | (703) 361-2171 |
| Dustin Whatley | Chantilly Air | dustinwhatley@chantillyair.com | (703) 983 1187 |
| Henry Graves | APP Jet Center | Hgraves3@Gmail.com | (703) 906-7180 |
| Robert Wenzl Jr. | APP Jet center | Robertwenzl@Gmail.com | 845-549-2279 |
| BRIAN S. NACE | APP Jet Center | Nairbecaw@Gmail | 703-395-5387 |
| Ivan E. Avila | Dulles Aviation | ivanavilasv@hotmail.com | 703-496-8521 |
| Carlos Archila DeLeon | Dulles Aviation | chino.guate@gmail.com | 571 606 1332 |
| Humphrey Stryker | Chantilly Air | humphreystryker@Chantillyair.com | (703) 586-2933 |
| Steven Heinanen | Dulles Aviation | steven.heinanen@gmail.com | (703) 953-5177 |
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10-20-14
Fire Extinguisher Training
3 pages

# Manassas Regional Airport

## Meeting Sign-in Sheet

| Name | Company | Email | Phone |
|---|---|---|---|
| CJ Morgan | APP Jet center | CJmorgan_19@hotmail.com | 703-498-0344 |
| Henry Graves | APP Jet Center | Hgraves3@Gmail.com | 703-906-7180 |
| Brian Nace | APP Jet. | NAIRBECAN@GMAIL | 202-812-5337 |
| Joe Baker | App Jet | Joebug703@gmail. | 703-568-7035 |
| Jorge Franco | Dulles Aviation | JFranco0227@gmail.com | 703-843-3589 |
| Edward Hudson | Dulles Aviation | EDWHUDSONJR@GMAIL.COM | 631-972-8034 |
| CHARLTON RESURRECCION | DULLES AVIATION | CHARLTON@DULLESAVIATION.COM | 703-361-2171 |
| Charles Vazquez | Dulles Aviation | CVAZQUEZ@LIBERTY.EDU | (540) 735-7912 |
| Victor Contreras | Dulles Aviation | vmcontreras11@gmail.com | 703-489-1562 |
| Rich Hutton | FBI | richard.hutton@ic.fbi.gov | 571 330 6102 |
| Keith Purks | AWS | purksk@yahoo.com | 540-809-6697 |
| V.T. Kruza | AWS AIR | vt.kruza@awsair.com | 540-530-3802 |
| Ben Selig | AWS Air | Benselig@Aol.com | 301 257-7385 |

# Manassas Regional Airport

## Meeting Sign-in Sheet

| Name | Company | Email | Phone |
|---|---|---|---|
| KEVIN LEE | | | 703 254 4214 |
| CHARLTON L. RESURRECCION | DULLESAVIATION | ~~DLEE~~ CHARLTON@DULLESAVIATION.COM | 703-361-2171 |
| Richard Allabaugh | HEF | rallabaugh@manassasva.gov | 703-257-8402 |
| Jess Yankovitz | HEF | jyankovitz@manassasva.gov | 703-257-8401 |
| Jolene Berry | Airport | | 703 257 8279 |
| Doug McCauley | Airport | | |
| Sherley Victor | FBI | sherley.victor@ic.fbi.gov | 202-654-5747 |
| A.J. Para | APP JetCenter | APara@APPJetcenter.com | (703) 895-0219 |
| Jeff CIAYBorn | H.E.F | | 703 361-1882 |
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Fire Extinguisher 10/20/14 2073

Manassas Regional Airport

## Meeting Sign-in Sheet

| Name | Company | Email | Phone |
|---|---|---|---|
| Randy Whitley | AWS Air | Whits MTS@GMail.com | 571-436-7625 |
| Steve T. Engen | AWS Air | Stengen7TX@Gmail.com | 202 631 5857 |
| PAUL SUTARA | AWS AIR | cssut@comcast.net | 540 338-4163 |
| DON WILHELM | AWS AIR | | 703 632-1198 |
| JOSEPH BRAUSEN | AWS AIR | — | 703-675-9103 |
| CARMINE ESPOSITO | AWS AIR | — | 917-731-9408 |
| AJ Marquardt | AWS Air | | 703-314-2430 |
| Gail K. Gill | AWS Air | — | 703-675-2522 |
| TOM O'BRIEN | AWS AIR | | 703-530-3739 |
| Peri Duncan | AWS AIR | | 703-530-3713 |
| Patricia Renault | AWS Air | | 4 |
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Fire Extinguisher Training 10/20/14 3073

OCC/SPCC/SWPPP
Nov. 5, 2014
2pm

# Manassas Regional Airport

## Meeting Sign-in Sheet

| Name | Company | Email | Phone |
|---|---|---|---|
| BRIAN NACE | APP JET | | 202-812-5337 |
| HESAM SADIGHI | DULLES AVIATION | | 571-355-9552 |
| CHARLES VARGAS | DULLES AVIATION | | (540) 735-7912 |
| Jorge Franco | Dulles Aviation | JFranco0227@gmail.com | 703-843-3589 |
| Victor Contreras | Dulles Aviation | | (703) 489-1562 |
| EDWARD HUDSON | DULLES AVIATION | EDWHUDSONJR@GMAIL.COM | (631) 972-8034 |
| A.J. Para | APP Jet Center | Apara@appjetcenter.com | (703) 895-0219 |
| Joe Baker | App Jet Center | Jocbug703@gmail.com | (703) 508-7035 |
| Cameron Hsnehee | APP Jet center | Shslinacura@Gmail.com | (571) 294-0058 |
| EDUARDO QUINONES JR | APP JET CENTER | EQUINONES787@GMAIL | (301) 748-9507 |
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Manassas Regional Airport

## Meeting Sign-in Sheet

OSC/SWPPP/SPCC training
Nov. 6, 2014 @ 10AM

| Name | Company | Email | Phone |
|---|---|---|---|
| CJ Morgan | APP | CJmorgan-19@yahoo.com | 571-356-8161 |
| Henry Graves | APP | Hgraves3@Gmail.com | 703-906-7180 |
| Jonathan Pilkins | APP | Jpnofx@live.com | 703-895-0366 |
| Tom Gardner | Dulles Aviation | Tom@DullesAviation.com | 703-361-2171 |
| Joe Gardner | Dulles Aviation, Inc | Joe@DullesAviation.com | 703-361-2171 |
| Bobby Harris | METROPOLITAN | Bharris@METROPOLITANJETS.com | 703-203-1882 |
| CHARLTON L. RESURRECCION | DULLES AVIATION | CHARLTON@DULLESAVIATION.COM | (703)361-2171 |
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VADES-VAR050985 Meeting
September 12 @ 130pm

Manassas Regional Airport

## Meeting Sign-in Sheet

| Name | Company | Email | Phone |
|---|---|---|---|
| Bill Rudolph Bobby Harris | Metropolitan Aviation | Bharris@metropolitanjets.com | 703-203-1882 (Bobby Harris) |
| Joe Gardner | Dulles Aviation, INC, | Joe@DullesAviation.com | 703-361-2777 |
| David Funk | Flightworks | DfunkG Flightworks.com | 480-272-2531 |
| Pierre Huggins | Chantilly Air | pierrehuggins@chantillyair.com | 703-361-4253 |
| Richard Allabaugh | Manassas Airport | rallabaugh@manassasva.gov | 703-257-5402 |
| Quinn Redder | APP Jet Center | QRedder@appjetcenter.com | 571-762-6242 |
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# Manassas Regional Airport

## Meeting Sign-in Sheet

Fire Extinguisher Training
11/19/14 @ 11 AM

| Name | Company | Email | Phone |
|---|---|---|---|
| Bill Rudolph | Metropolitan Aviation | wrudolph@metropolitanaviation.com | 540-222-1753 |
| Jonathan Pilkins | App Jet Center | JPnofx@Live.com | 703-895-0366 |
| Cameron Hirshec | App Jet Center | SKSinacore@Gmail.com | (571) 294-0058 |
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Manassas Regional Airport

ODC/SPCC/SWPP/Customs Training
9/30/15 2pm

## Meeting Sign-in Sheet

| Name | Company | Email | Phone |
|---|---|---|---|
| Henry Graves | APP | Hgraves3@Gmail.com | 703 906-7180 |
| CHARLES VAZQUEZ | DULLES AVIATION | Cvazquez@liberty.edu | 540-735-7912 |
| Alejandro Mojica | Dulles Aviation | Alex6junior@Hotmail.com | 571-392-1363 |
| EDUARDO QUINONES JR | APP | EQUINONES787@GMAIL | 301-748-9507 |
| CHARLTON RESURRECCION | DULLES AVIATION / METROPOLITAN AVIATION LLC | CHARLTON@DULLESAVIATION.COM CRESURRECCION@METROPOLITANJETS.COM | (571) 218-6085 |
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# Manassas Regional Airport

OPC/SPCC/SWPPP Training
9/29/15 10am

## Meeting Sign-in Sheet

| Name | Company | Email | Phone |
|---|---|---|---|
| Santwon Jackson | metropolitan | SantwonJacksonE@gmail.com | 571-242-6413 |
| Jake Coleman | Chantilly Air INC. | jacobColeman@ChantillyAir.com | 703-361-8253 |
| JEFF DUNCAN | CHANTILLY AIR INC. | JEFFDUNCAN@CHANTILLYAIR.COM | 703-896-0172 |
| JEFF WINDABANK | CABNTILLY AIR | JEFFWINDABANK@CABNTILLYAIR.com | 70336 8253 |
| Pierre Huggins | Chantilly Air | pierrehuggins@chantillyair.com | 703-361-8253 |
| Robert E. Harris | APP JET CENTER | | 571-292-7179 |
| Brian S. Nace | APP Jet Center | | 202-812-5337 |
| Karol stryszowski | APP Jet center | grom4@rocketmail.com | 571-464-0717 |
| Thomas Yancoskie | Dulles Aviation Inc | mastersgolf88@gmail.com | 703-398-9550 |
| HERMAN FERGUSON | Flightworks | HFERGUSON@Flightworks.com | 540-522-9540 |
| A.J. Para | APP Jet Center | APara@appjetcenter.com | 703-895-0219 |
| Jonathan Pilkins | App Jet Center | Jprofx@live.com | 708-895-0366 |
| | | | |

# Manassas Regional Airport

## Meeting Sign-in Sheet

Fire Extinguisher Training
11/16/15 2pm

pg 1 of 2

| Name | Company | Email | Phone |
|---|---|---|---|
| HERMAN FERGUSON | FlightWorks | HFERGUSON@flightworks.com | 540-522-9540 |
| Brian Hedrick | Dulles Aviation | Hedrick.b@Gmail.com | 571-486-9191 |
| Thomas Yancoskie | Dulles Aviation | mastersgolf88@gmail.com | 703-398-9550 |
| Will Finsching | Dulles Aviation | Firebuss2012@outlook.com | 703-474-0379 |
| SAID-HESAMADINE SADIQUE | DULLES AVIATION | marjan_247@hotmail.com | 571-355-9552 |
| Casey Jenkins | Metropolitan Aviation | rjenkins@metropolitanjets.com | 540-226-0240 |
| Cameron Mynence | APP | SKILMacura@gmail.com | 571 2940058 |
| Robert Gray | APP | Bobby.Gray7@comcast.net | 540-226-8487 |
| Mark Rockwell | AP | | 571-238-1820 |
| Jeff CLAYBORN | H.E.F | JEFFCLAYBORN@CI.MANASSAS.VA.US | 571-238 0954 |
| CHARLES VAZQUEZ | DULLES AVIATION | cvazquez@liberty.edu | (540) 735-7912 |
| Richard Allebaugh | HEF | rallabaugh@manassasva.gov | 703-257-8902 |
| Bill Rudolph | Metropolitan Aviation | wrudolph@metropolitanjets.com | 540-222-1753 |

Manassas Regional Airport

Fire Extinguisher Training
11/16/15 2pm
pg 2 of 2

## Meeting Sign-in Sheet

| Name | Company | Email | Phone |
|---|---|---|---|
| CHARLTON RESURRECCION | DULLES AVIATION, INC. METROPOLITAN AVIATION, LLC. | CHARLTONE DULLES AVIATION.com | 571-218-6085 |
| Marie Boltersdorf | Manassas airport | mboltersdorf@manassasva.gov | 703-368-1882 |
| Joe ThorLeifson | DELTA FOX | JoeDeltaFox.com | 202-615-3174 |
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ODC/SPCC/Customs Training
12/18/15 1:30pm

Manassas Regional Airport

## Meeting Sign-in Sheet

| Name | Company | Email | Phone |
|---|---|---|---|
| Charles morgan | APP Jet | CJmorgan_19@yahoo.com | 703-473-3910 |
| Cameron Hinchee | APP Jet center | Srilinacura@gmail.com | 571-294-0058 |
| Robert Gray | APP Jet Center | Bobby.Gray7@comcast.net | 540-226-8487 |
| Brian Hedrick | DAI | Hedrick_b@Gmail.com | 571-527-8226 |
| SAID-HESAMADINE SADIQUE | DULLES AVIATION INC. | marjan_2007@hotmail.com | 571-355-9552 |
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ODC/SPCC/SWPPP/Fuel Truck Inspections
8/10/16 @ 10AM

Manassas Regional Airport

## Meeting Sign-in Sheet

| Name | Company | Email | Phone |
|---|---|---|---|
| HERMAN FERGUSON | Flightworks | HFERGUSON@Flightworks.com | 540 522-9540 |
| EDUARDO QUIÑONES JR | APP JET CENTER | EQUINONES787@GMAIL.COM | 301-748-9507 |
| WINDHAM, JEFF | CHANTILLY AIR | JEFFWINDHAM@CHANTILLYAIR.COM | 703-361-8253 |
| Yancoskie, Thomas | DULLES AVIATION | mastersgolf88@gmail.com | 703-398-9550 |
| RESURRECCION, CHARLTON L. | DULLES AVIATION, INC. | CHARLTON@DULLESAVIATION.com | 571-218-6085 |
| Richard Allabaugh | HEY | rallabaugh@manassasva.gov | 703-257-8402 |
| Pierre Huggins | Chantilly Air | pierrehuggins@chantillyair.com | 703-361-8253 |
| Henry Graves | APP Jet Center | Hgraves@Gmail.com | 703-906-7180 |
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9/14/2016
ODC/SWPPP/SPCC
Customs

Manassas Regional Airport

## Meeting Sign-in Sheet

| Name | Company | Email | Phone |
|---|---|---|---|
| Jonathan Pilkin | App Jet center | Jpnofx@live.com | 703-895-0366 |
| BRIAN NACE | " " " | NAIRBECAN@GMAIL | 202 812 5337 |
| Robert Gray | " | Bobby.Gray@Comcast.net | 540 226 8487 |
| JEFF DUNCAN | " " | DUNCAN.JT@GMAIL.COM | 703-896-0172 |
| Andrew Rutherford | Chantilly Air | drewrutherford@chantillyAir.com | 703 987 7189 |
| Austin Haycft | APP Jet center | austinhaycft@msn.com | 570 369-6946 |
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12/13/16
Fire Extinguisher
Training
1:00pm
12/13/16

# Manassas Regional Airport

## Meeting Sign-in Sheet

| Name | Company | Email | Phone |
|---|---|---|---|
| Bobby Gray | APP | Bobby.Gray@comcast.net | 540 226-8487 |
| Jonathan Pilkins | App | Jpnofx@hive.com | 703 895 0366 |
| HERMAN FERGUSON | Flight Works | HFERGUSON@Flightworks.com | 540-522-9546 |
| Charles Morgan | APP | CJmorgan_19@yahoo.com | 703 473 3910 |
| Henry Graves | APP | Hgraves3@ Gmail.com | 703-906-7180 |
| CHARLTON REGURECCION | DULLES AVIATION | CHARLTON@DULLESAVIATION.com | 571-218-6085 |
| SAID. HESAMADDINE SADIQUE | DULLES AVIATION | marjan_2007@hotmail.com | 571-355-9552 |
| Mark Rockwell | Airport | | 571-258 1820 |
| Richard Allebaugh | Airport | rallebaugh@manassasva.gov | 703-361-5428 |
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OCC/SNPP/SPCC/Customs
October 16, 2018 2pm

# Manassas Regional Airport

## Meeting Sign-in Sheet

| Name | Company | Email | Phone |
|---|---|---|---|
| Antonio Thomas | Chantilly Air Inc. | AntonioThomas@chantillyair.com | 703 587 6103 |
| Andrew Rutherford | Chantilly Air Inc. | drewrutherford@chantillyair.com | 703 987 7189 |
| Henry Graves | APP Jet Center | Hgraves3@gmail.com | 703-906-7180 |
| Joe Baker | APP Jet Center | Joebug703@Gmail.Com | 703-508-7035 |
| Charles Morgan | APP Jet Center | CJmorgan-ISC Yahoo.com | 703 473 3910 |
| Tom Gardner | Dulles Aviation | Tom@DullesAviation.com | 703-401-8883 |
| EDUARDO QUINONES JR | APA JET CENTER | EQUINONES787@GMAIL.COM | 301-748-9507 |
| PATRICK BOEHNE | DULLES AVIATION | BOEHNE.PATRICKP gmail.com | 630 217 0532 |
| ERICK SILVA | DULLES AVIATION | ERICKTOTAL@HOTMAIL.COM | 571-297-5174 |
| William Firsching | Dulles AV | N/A | 571-383-7085 |
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ODC/SWPP/SPCC/Customs Training
10/17/18@ 10AM.

# Manassas Regional Airport

## Meeting Sign-in Sheet

| Name | Company | Email | Phone |
|---|---|---|---|
| Brian S. Nace | APP | NAirbecan@Gmail | 202 812 5337 |
| Jonathan Pilkins | APP | Jpilkins@appletcenter.com | 703 895 0366 |
| Curtis Haynes | APP | curtis1haynes5yr@gmail.com | 571-229-0429 |
| Thaddeus Viveros | Chantilly Air | ThaddeusViveros@ChantillyAir.com | 571-263-6262 |
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ODC/SWPPP/SPCC/Customs Training
10/26/21 @ 10Am

Manassas Regional Airport

## Meeting Sign-in Sheet

| Name | Company | Email | Phone |
|---|---|---|---|
| Anthony Nunes | APP Jet Center | AnthonyJNunes@Gmail.com | 440-813-7069 |
| Roger Carriker | Airport | rogercarriker@ci.manassas.va.us | 361-1882 |
| Nick Villafan | Airport | nick.villafan@gmail.com | 361-1882 |
| Michael Thompkins | APP Jet Center | Thompkins58@gmail.com | 703-786-3501 |
| Antonio Thomas | Chantilly Air Jet Center | antonio.thomas@chantillyair.com | 703-587-6103 |
| Brian Nace | APP Jet | BNACE@AppJetCenter.Com | 202-812-5337 |
| Quinn Redden | APP Jet Center | QRedden@appjetcenter.com | 475-258-0419 |
| Ryan Watkins | APP Jet Center | ryanedwardw@gmail.com | 703-647-0242 |
| Fentress Basnight III | APP Jet Center | Fentress.Basnight1@gmail.com | 703-826-5950 |
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ODC/SWPPP/SPCC/ Customs Training
10/27/21 @ 2pm

# Manassas Regional Airport

## Meeting Sign-in Sheet

| Name | Company | Email | Phone |
|---|---|---|---|
| Andrea Scott | APP | ASC8909@gmail.com | 404 645 8180 |
| Victor Zamora | APP | Victorzamora02@Hotmail.com | 540-351-7801 |
| Tayler Morris | APP | Tayler_morris47@yahoo | 703 586 0075 |
| Henry Graves | APP | Hgravesjr@gmail.com | 703 906 7180 |
| Brian Smith | Airport | bsmith@[illegible] | 571-364-2625 |
| Curtis Haynes | APP | haycurtis13@gmail.com | 703.717.2249 |
| Luciano J. Salinas | APP | Lucianosalinas73@gmail | 540.229.1279 |
| Josh Roy | Chantilly Air | joshroy@chantillyair.com | 571-361-3991 |
| Scott Ziegler | Chantilly Air | Scott.Ziegler@chantillyair.com | 540-222-5872 |
| Sean Lewis | Chantilly Air | seanlewis@chantillyair.com | 540-270-0004 |
| Jonathan Mill | App Jet Center | jmills@appjetcenter.com | 703-895-0366 |
| | | | |
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ODC / $ APP / SPCC

9-14-23

# Manassas Regional Airport

## Meeting Sign-in Sheet

| Name | Company | Email | Phone |
|---|---|---|---|
| Josh Roy | Chantilly Air | joshroy@chantillyair.co | 571 361 3561 |
| Sean Lewis | Chantilly Air | SeanLewis@Chantillyair.com | 540 270 0004 |
| Michael Thompkins | APP | Thompkins58@gmail.com | 703 786-3501 |
| Ryan Watkins | APP | ryanedwardw@gmail.com | 703-647-0242 |
| Ali MAHDAVI | APP | Alim623@Yahoo.com | 571-201-2011 |
| Roberto Gutierrez | APP | Rgutierrez@appjetcenter.com | 475-544-8389 |
| Dalton Kroons | Airport | Dkroons@ci.manassas.va.us | 571-361-6288 |
| Luciano J. Salinas | APP | LucianoSalinas73@gmail | 540-229-1279 |
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ODC, SWPPP / SPCC
9-15-23

# Manassas Regional Airport

## Meeting Sign-in Sheet

| Name | Company | Email | Phone |
|---|---|---|---|
| Joe Baker | App Jet Center | Joebug703@gmail | 571-358-5078 |
| Anthony Nunes | App Jet center | AnthonyJNunes@gmail | 440-813-7069 |
| Nick Hill | Chantilly Air | nihill94@gmail.com | 661-808-6527 |
| Tanner Hammond | ~~Manager~~ Chantilly Air | Hammondjamwich@Gmail.Com | 540-424-9421 |
| Alex DelValle Mori | Airport Operations | adelvallemori@manassasva.gov | 571-383-7958 |
| Jimmy Medrano | APP jet center | jmadrano7509@gmail.com | 703-5876260 |
| Joshua Paes | APP jet center | PaesJH@gmail.com | 703-887-7818 |
| Brandon Burdick | APP Jet center | Brandonburdick030503@gmail.com | 540-422-1626 |
| Gary Moore | Airport Maint | gmoore@manassasva.gov | 571-364-2625 |
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**Appendix I**

***Tenant Operator Agreement***

*By signing this document, I am agreeing that I have read and understand this Oil Discharge Contingency Plan and will comply with all requirements according to federal, state, and local laws and regulations. I will ensure that my employees understand this Oil Discharge Contingency Plan, will comply with all requirements according to federal, state, and local laws and regulations n and will have it available to them at any time.*

Chantilly Air Signature — Date: 11/12/2015

APP Jet Center Signature — Date: 11/12/2015

Dulles Aviation Signature — Date: 11/13/2015

FlightWorks Signature — Date: 11/13/2015

Colgan Air Signature — Date: 11/12/2015

Airport Director Signature — Date: 12/3/2015

*By signing this document, I am agreeing that I have read and understand this Oil Discharge Contingency Plan and will comply with all requirements according to federal, state, and local laws and regulations.*

Signature _____ Date 11-29-2010

Chantilly Air

Signature _____ Date 11-29-2010

APP Jet Center

Signature _____ Date 12-22-2010

Dulles Aviation

Signature _____ Date 11/29/2010

FlightWorks

Signature _____ Date 11/29/2010

Colgan Air

Signature _____ Date 12/22/10

Airport Director

# RENEWAL APPLICATION
# FOR
# FACILITY OIL DISCHARGE CONTINGENCY PLAN

**This form serves as an application for renewal of the approval of an oil discharge contingency plan for aboveground oil storage facilities subject to the provisions of 9 VAC 25-91-20 B 3. The facility operator must complete and submit this application 90 days prior to the five year expiration of the approval of the current contingency plan.**

**This form, with any changes or updates to the plan, must be submitted to the Department of Environmental Quality (DEQ) regional office in the area where the facility is located. A list of DEQ regional offices and their addresses may be obtained from the DEQ, Office of Spill Response and Remediation, P.O. Box 1105, Richmond, VA 23218 or on the web at: www.deq.virginia.gov There is no fee for renewal of the approval of a facility contingency plan.**

Facility Name: Manassas Regional Airport Facility ID Number: FC- 3 - 038736

**Please check one of the following:**

☒ *There are no changes to the currently approved contingency plan.*

☐ *There have been significant changes to the plan and descriptions of the changes are attached.*

For the purposes of this renewal application a significant change is:

1. A change of operator of the facility unless DEQ was previously notified of the change;
2. An increase in the maximum storage or handling capacity of the facility that would change the measures to limit the outflow of oil, response strategy or operational plan in the event of the worst case discharge;
3. A decrease in the availability of private personnel or equipment necessary to remove to the maximum extent practicable the worst case discharge and to mitigate or prevent a substantial threat of such a discharge;
4. A change in the type of product dealt in, stored or handled by any facility covered by the plan for which a Material Safety Data Sheet (MSDS) or its equivalent has not been submitted; or
5. A change in the method or operation utilized for the early detection of a discharge to groundwater.

☐ *There have been other than significant changes (such as, but not limited to administrative, procedural, operational) to the plan and descriptions of these changes are attached.*

*** (The completed renewal application is to be signed by the facility operator and notarized on page 2.) ***

☀

| State Use Only | |
|---|---|
| Date Received: _____ | ID Number: _____ |
| Reviewed by: _____ | Date Reviewed: _____ |

## Certification

***I certify that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals responsible for obtaining this information, I believe that the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment.***

Jolene Berry, Manassas Regional Airport — Jolene K. Berry — 1-14-11

*(Name of Operator)* *(Signature)* *(Date Signed)*

1. When the operator is an **individual** acting in his own right:

State of _____ County/City of _____

*The foregoing document was signed and acknowledged before me on this ____day of _____, 20 ____, by*

_____.
(Name of Individual)

Notary Public _____ My Commission Expires:_____

2. When the operator is an individual acting on behalf of a **corporation:**

State of _____ County/City of _____

*The foregoing document was signed and acknowledged before me on this ____day of _____, 20 ____, by*

_____ *who is* _____
(Name of Individual) (Title)

*of* _____, *a* _____ *corporation*
(Name of Corporation) (State of Incorporation)
*on behalf of the corporation.*

Notary Public _____ My Commission Expires:_____

3. When the operator is an individual acting on behalf of a **municipality, state, federal or other public agency:**

State of Virginia County/City of Manassas

*The foregoing document was signed and acknowledged before me on this* 14 *day of* January, 20 11, *by*

Jolene K. Berry *who is* Airport Operations
(Name of Individual) (Title)

*on behalf of* City of Manassas
(Municipality, State, Federal or other agency)

Notary Public Antoinette M. Elgart My Commission Expires: March 31, 2014

ANTOINETTE M. ELGART NOTARY PUBLIC MY COMMISSION NUMBER 160764 COMMONWEALTH OF

4. When the operator is an individual acting on behalf of a **partnership:**

State of _____ County/City of _____

*The foregoing document was signed and acknowledged before me on this ____day of _____, 20 ____, by*

_____, *a general partner on behalf of*
(Name of Individual))

_____, *a partnership.*
(Name of Partnership)

Notary Public _____ My Commission Expires:_____

# COMMONWEALTH of VIRGINIA

*DEPARTMENT OF ENVIRONMENTAL QUALITY*
NORTHERN REGIONAL OFFICE
13901 Crown Court, Woodbridge, Virginia 22193
(703) 583-3800
www.deq.virginia.gov

Matthew J. Strickler
Secretary of Natural Resources

David K. Paylor
Director

Thomas A. Faha
Regional Director

September 6, 2019

Via Email: jberry@manassasva.gov

Ms. Jolene Berry
Sr. Airport Operations
Manassas Regional Airport
10600 Harry J. Parrish Blvd.
Manassas, VA 20110

READ RECEIPT REQUESTED

RE: Coverage under the Virginia Pollutant Discharge Elimination System (VPDES) General Permit Regulation for Discharges of Stormwater Associated with Industrial Activity – Registration # **VAR050985**

Dear Ms. Berry:

We have reviewed your Registration Statement received on May 1, 2019, and have determined that stormwater discharges from the above facility are hereby covered under the referenced VPDES general permit. The general permit regulation was effective as of July 1, 2019, and your coverage under this permit is effective as of the date of this transmittal letter. The enclosed copy of the general permit contains the applicable stormwater pollution prevention plan (SWPPP) requirements, sector specific requirements, monitoring requirements, and other conditions of coverage. The general permit requires that you update your Stormwater Pollution Prevention Plan (SWPPP) within 90-days of the date on this transmittal letter to incorporate updates this permit requires into the SWPPP.

Based on the Standard Industrial Classification Code (SIC Code) provided on your registration statement, your facility has been assigned to Sector AE for this reissuance. Sector AE requires no analytical benchmark monitoring.

Your facility monitored stormwater discharges during the 2014 industrial stormwater general permit term in support of the Chesapeake Bay TMDL. Our records indicate that your facility completed the four sampling events as required at each outfall for each of the following parameters: Total Suspended Solids (TSS), Total Nitrogen (TN), and Total Phosphorus (TP). In accordance with the 2019 permit (Part I.B.8.c.2), your facility is again required to calculate stormwater nutrient loads. Calculations are to be completed using the data collected during the 2014 permit term and those acreages provided on the registration statement for the 2019 permit term. Information to assist with performing the calculations, including a Chesapeake Bay TMDL Calculation Spreadsheet is available at the following:
https://www.deq.virginia.gov/Programs/Water/PermittingCompliance/PollutionDischargeElimination/PermitsFees.aspx#isw

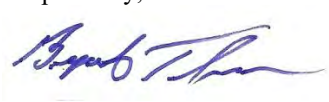
If the calculations indicate the facility loading rate for any of the parameters (e.g. TSS, TN, or TP) is above the loading rates identified in the permit (Part I.B.8.c.1), a Chesapeake Bay TMDL action plan shall be developed and submitted to the DEQ – Northern Regional Office. The Chesapeake Bay TMDL Action Plan Form for submitting your Plan may be found at the same link noted above.

The calculations, and Chesapeake Bay TMDL action plan (Plan) if required, shall be submitted to the DEQ – Northern Regional office within 60 days of the date on this transmittal letter (November 6, 2019) and copies shall also be maintained with the facility's SWPPP. Please note that facilities that submitted a Plan that was approved during the 2014 permit term shall continue to implement the approved Plan during this permit term. There is no requirement to resubmit the Plan on the form provided by the Department. However, you are required to provide updated loading calculations for TSS, TN and TP as described above.

This general permit will expire on June 30, 2024. The permit requires that you submit a new registration statement at least 60 days prior to that date if you wish continued coverage under the general permit, unless permission for a later date has been granted by the Board. Permission cannot be granted to submit the registration statement after the expiration date of the permit.

Should you have any questions, please do not hesitate to contact Susan Mackert at (703) 583-3853 or susan.mackert@deq.virginia.gov.

Respectfully,



Bryant Thomas
Regional Water Permits & Planning Manager

# *COMMONWEALTH of VIRGINIA*

## ***DEPARTMENT OF ENVIRONMENTAL QUALITY***

General Permit Registration No.: VAR050985
Effective Date: July 1, 2019
Expiration Date: June 30, 2024

VPDES GENERAL PERMIT FOR STORMWATER DISCHARGES
ASSOCIATED WITH INDUSTRIAL ACTIVITY

AUTHORIZATION TO DISCHARGE UNDER THE VIRGINIA POLLUTANT DISCHARGE ELIMINATION SYSTEM AND THE VIRGINIA STATE WATER CONTROL LAW

In compliance with the provisions of the Clean Water Act, as amended, and pursuant to the State Water Control Law and regulations adopted pursuant thereto, owners of facilities with stormwater discharges associated with industrial activity are authorized to discharge to surface waters within the boundaries of the Commonwealth of Virginia, except those waters specifically named in board regulation that prohibit such discharges.

The authorized discharge shall be in accordance with this cover page, the registration statement, Part I-Effluent Limitations, Monitoring Requirements and Special Conditions, Part II-Conditions Applicable to All VPDES Permits, Part III-Stormwater Pollution Prevention Plan, and Part IV-Sector-Specific Permit Requirements, as set forth in this general permit.

# Part I. Effluent Limitations, Monitoring Requirements and Special Conditions

A. Effluent limitations and monitoring requirements.

There are four individual and separate categories of monitoring requirements that a facility may be subject to under this permit: (i) quarterly visual monitoring; (ii) benchmark monitoring of discharges associated with specific industrial activities; (iii) compliance monitoring for discharges subject to numerical effluent limitations; and (iv) monitoring of discharges to impaired waters, both those with an approved TMDL and those without an approved TMDL. The monitoring requirements and numeric effluent limitations applicable to a facility depend on the types of industrial activities generating stormwater runoff from the facility, and for TMDL monitoring, the location of the facility's discharge or discharges. Part IV of the permit (9VAC25-151-90 et seq.) identifies monitoring requirements applicable to specific sectors of industrial activity. The permittee shall review Part I A 1 and Part IV of the permit to determine which monitoring requirements and numeric limitations apply to his facility. Unless otherwise specified, limitations and monitoring requirements under Part I A 1 and Part IV are additive.

Sector-specific monitoring requirements and limitations are applied discharge by discharge at facilities with colocated activities. Where stormwater from the colocated activities are commingled, the monitoring requirements and limitations are additive. Where more than one numeric limitation for a specific parameter applies to a discharge, compliance with the more restrictive limitation is required. Where benchmark, numerical effluent limitations, or TMDL monitoring requirements for a monitoring period overlap, the permittee may use a single sample to satisfy monitoring requirements.

1. Types of monitoring requirements and limitations.
   a. Quarterly visual monitoring. The requirements and procedures for quarterly visual monitoring are applicable to all facilities covered under this permit, regardless of the facility's sector of industrial activity.
      (1) The permittee shall perform and document a quarterly visual examination of a stormwater discharge associated with industrial activity from each outfall, except discharges exempted in Part I A 3 or Part I A 4. The examinations shall be made at least once in each of the following three-month periods: January through March, April through June, July through September, and October through December. The visual examination shall be made during normal working hours, where practicable, and when considerations for safety and feasibility allow. If no storm event resulted in runoff from the facility during a monitoring quarter, the permittee is excused from visual monitoring for that quarter provided that documentation is included with the monitoring records indicating that no runoff occurred. The documentation shall be signed and certified in accordance with Part II K of this permit.
      (2) Samples shall be collected in accordance with Part I A 2. Sample examination shall document observations of color, odor, clarity, floating solids, settled solids, suspended solids, foam, oil sheen, and other obvious indicators of stormwater pollution. The visual examination of the sample shall be conducted in a well-lit area. No analytical tests are required to be performed on the samples.
      (3) The visual examination reports shall be maintained on-site with the SWPPP. The report shall include the outfall location, the examination date and time, examination personnel, the nature of the discharge (i.e., runoff or snow melt), visual quality of the stormwater discharge (including observations of color, odor, clarity, floating solids, settled solids, suspended solids, foam, oil sheen, and other obvious indicators of stormwater pollution), and probable sources of any observed stormwater contamination.

b. Benchmark monitoring of discharges associated with specific industrial activities.

Table 70-1 identifies the specific industrial sectors subject to the benchmark monitoring requirements of this permit and the industry-specific pollutants of concern. The permittee shall refer to the tables found in the individual sectors in Part IV (9VAC25-151-90 et seq.) for benchmark monitoring concentration values. Colocated industrial activities at the facility that are described in more than one sector in Part IV shall comply with all applicable benchmark monitoring requirements from each sector.

The results of benchmark monitoring are primarily for the permittee to use to determine the overall effectiveness of the SWPPP in controlling the discharge of pollutants to receiving waters. Benchmark concentration values, included in Part IV of this permit, are not effluent limitations. Exceedance of a benchmark concentration does not constitute a violation of this permit and does not indicate that violation of a water quality standard has occurred; however, it does signal that modifications to the SWPPP are necessary, unless justification is provided in a routine facility inspection. In addition, exceedance of benchmark concentrations may identify facilities that would be more appropriately covered under an individual, or alternative general permit where more specific pollution prevention controls could be required.

TABLE 70-1
INDUSTRIAL SECTORS SUBJECT TO BENCHMARK MONITORING

| Industry Sector[1] | SIC Code or Activity Code | Benchmark Monitoring Parameters |
|---|---|---|
| AE | 2611, 2621, 2652-2657, 2671-2679, 2833-2836, 2851, 2861-2869, 2891-2899, 3952, 3211, 3221, 3229, 3231, 3241, 3281, 3291-3299, 3331-3339, 3398, 3399, 3341, 1311, 1321, 1381-1389, 2911, 4512-4581, (TW) Treatment Works, 2011-2015, 2032-2038, 2051-2053, 2061-2068, 2082-2087, 2091-2099, 2111-2141, 2211-2299, 2311-2399, 3131-3199, 2434, 2511-2599, 2711-2796, 3081-3089, 3931, 3942-3949, 3951-3955 (except 3952), 3961, 3965, 3991-3999, 3111, 3711-3799 (except 3731, 3732 see Sector Q), 3571-3579, 3612-3699, 3812-3873 | Facilities in Sector AE are not subject to benchmark monitoring requirements. |

[1] Table does not include parameters for compliance monitoring under effluent limitations guidelines.

(1) Benchmark monitoring shall be performed for all benchmark parameters specified for the industrial sector or sectors applicable to a facility's discharge. Monitoring shall be performed at least once during each of the first four, and potentially all, monitoring periods after coverage under the permit begins. Monitoring commences with the first full monitoring period after the owner is granted coverage under the permit. Monitoring periods are specified in Part I A 2.

Depending on the results of four consecutive monitoring periods, benchmark monitoring may not be required to be conducted in subsequent monitoring periods (see Part I A 1 b (2)).

(2) Benchmark monitoring waivers for facilities testing below benchmark concentration values. Waivers from benchmark monitoring are available to facilities whose discharges are below benchmark concentration values on an outfall by outfall basis. Sector-specific benchmark monitoring is not required to be conducted in subsequent monitoring periods during the term of this permit provided:

(a) Samples were collected in four consecutive monitoring periods, and the average of the four samples for all parameters at the outfall is below the applicable benchmark concentration value in Part IV. Facilities that were covered under the 2014 industrial stormwater general permit may use sampling data from the last two monitoring periods of that permit and the first two monitoring periods of this permit to satisfy the four consecutive monitoring periods requirement;

(b) The facility is not subject to a numeric effluent limitation established in Part I A 1 c (1) (stormwater effluent limitations), Part I A 1 c (2) (coal pile runoff), or Part IV (Sector Specific Permit Requirements) for any of the parameters at that outfall; and

(c) A waiver request is submitted to and approved by the board. The waiver request shall be sent to the appropriate DEQ regional office, along with the supporting monitoring data for four consecutive monitoring periods, and a certification that, based on current potential pollutant sources and control measures used, discharges from the facility are reasonably expected to be essentially the same (or cleaner) compared to when the benchmark monitoring for the four consecutive monitoring periods was done.

Waiver requests will be evaluated by the board based upon (i) benchmark monitoring results below the benchmark concentration values; (ii) a favorable compliance history (including inspection results); and (iii) no outstanding enforcement actions.

The monitoring waiver may be revoked by the board for cause. The permittee will be notified in writing that the monitoring waiver is revoked, and that the benchmark monitoring requirements are again in force and will remain in effect until the permit's expiration date.

(3) Samples shall be collected and analyzed in accordance with Part I A 2. Monitoring results shall be reported in accordance with Part I A 5 and Part II C and retained in accordance with Part II B.

c. Compliance monitoring for discharges subject to numerical effluent limitations or discharges to impaired waters.

(1) Facilities subject to stormwater effluent limitation guidelines.

(a) Facilities subject to stormwater effluent limitation guidelines (see Table 70-2) are required to monitor such discharges to evaluate compliance with numerical effluent limitations. Industry-specific numerical limitations and compliance monitoring requirements are described in Part IV of the permit (9VAC25-151-90 et seq.). Permittees with colocated industrial activities at the facility that are described in more than one sector in Part IV shall comply on a discharge-by-discharge basis with all applicable effluent limitations from each sector.

(b) Permittees shall monitor the discharges for the presence of the pollutant subject to the effluent limitation at least once during each of the monitoring periods after coverage under the permit begins. Monitoring commences with the first full monitoring period after the owner is granted coverage under the permit. Monitoring periods are specified in Part I A 2. The substantially identical outfall monitoring provisions (Part I A 2 f) are not available for numeric effluent limits monitoring.
(c) Samples shall be collected and analyzed in accordance with Part I A 2. Monitoring results shall be reported in accordance with Part I A 5 and Part II C, and retained in accordance with Part II B.

| TABLE 70-2<br>STORMWATER-SPECIFIC EFFLUENT LIMITATION GUIDELINES |
|---|
| Effluent Limitation Guidelines Are Not Applicable to Sector AE |

(2) Facilities subject to coal pile runoff monitoring.
(a) Facilities with discharges of stormwater from coal storage piles shall comply with the limitations and monitoring requirements of Table 70-3 for all discharges containing the coal pile runoff, regardless of the facility's sector of industrial activity.
(b) Permittees shall monitor such stormwater discharges at least once during each of the monitoring periods after coverage under the permit begins. Monitoring commences with the first full monitoring period after the owner is granted coverage under the permit. Monitoring periods are specified in Part I A 2. The substantially identical outfall monitoring provisions (Part I A 2 f) are not available for coal pile numeric effluent limits monitoring.
(c) The coal pile runoff shall not be diluted with other stormwater or other flows in order to meet this limitation.
(d) If a facility is designed, constructed and operated to treat the volume of coal pile runoff that is associated with a 10-year, 24-hour rainfall event, any untreated overflow of coal pile runoff from the treatment unit is not subject to the 50 mg/L limitation for total suspended solids.
(e) Samples shall be collected and analyzed in accordance with Part I A 2. Monitoring results shall be reported in accordance with Part I A 5 and Part II C, and retained in accordance with Part II B.

TABLE 70-3
NUMERIC LIMITATIONS FOR COAL PILE RUNOFF

| Parameter | Limit | Monitoring Frequency | Sample Type |
|---|---|---|---|
| Total Suspended Solids (TSS) | 50 mg/l, max. | 1/6 months | Grab |
| pH | 6.0 min. - 9.0 max. | 1/6 months | Grab |

(3) Facilities discharging to an impaired water with an approved TMDL wasteload allocation. Owners of facilities that are a source of the specified pollutant of concern to waters for which a TMDL wasteload allocation has been approved prior to the term of this permit will be notified as such by the department when they are approved for coverage under the general permit.
(a) Upon written notification from the department, facilities subject to TMDL wasteload allocations shall be required to monitor such discharges to evaluate compliance with the TMDL requirements.

(b) Permittees shall monitor the discharges for the pollutant subject to the TMDL wasteload allocation once every six months after coverage under the permit begins, unless otherwise determined by the department for polychlorinated biphenyls (PCBs). Monitoring commences with the first full monitoring period after the owner is granted coverage under the permit. Monitoring periods are specified in Part I A 2.

(c) Samples shall be collected and analyzed in accordance with Part I A 2. Monitoring results shall be reported in accordance with Part I A 5 and Part II C, and retained in accordance with Part II B.

(d) If the pollutant subject to the TMDL wasteload allocation is below the quantitation level in all of the samples from the first four monitoring periods (i.e., the first two years of coverage under the permit), the permittee may request to the board in writing that further sampling be discontinued, unless the TMDL has specific instructions to the contrary (in which case those instructions shall be followed). The laboratory certificate of analysis shall be submitted with the request. If approved, documentation of this shall be kept with the SWPPP.

If the pollutant subject to the TMDL wasteload allocation is above the quantitation level in any of the samples from the first four monitoring periods, the permittee shall continue the scheduled TMDL monitoring throughout the term of the permit.

(4) Facilities discharging to an impaired water without an approved TMDL wasteload allocation.

Owners of facilities that discharge to waters listed as impaired in the 2016 Final 305(b)/303(d) Water Quality Assessment Integrated Report, and for which a TMDL wasteload allocation has not been approved prior to the term of this permit, will be notified as such by the department when they are approved for coverage under the general permit.

(a) Upon written notification from the department, facilities discharging to an impaired water without an approved TMDL wasteload allocation shall be required to monitor such discharges for the pollutants that caused the impairment.

(b) Permittees shall monitor the discharges for all pollutants for which the waterbody is impaired, and for which a standard analytical method exists, at least once during each of the monitoring periods after coverage under the permit begins. Monitoring commences with the first full monitoring period after the owner is granted coverage under the permit. Monitoring periods are specified in Part I A 2.

(c) If the pollutant for which the waterbody is impaired is suspended solids, turbidity, or sediment, or sedimentation, monitor for total suspended solids (TSS). If the pollutant for which the waterbody is impaired is expressed in the form of an indicator or surrogate pollutant, monitor for that indicator or surrogate pollutant. No monitoring is required when a waterbody's biological communities are impaired but no pollutant, including indicator or surrogate pollutants, is specified as causing the impairment, or when a waterbody's impairment is related to hydrologic modifications, impaired hydrology, or temperature.

Samples shall be collected and analyzed in accordance with Part I A 2. Monitoring results shall be reported in accordance with Part I A 5 and Part II C, and retained in accordance with Part II B.

(d) If the pollutant for which the water is impaired is below the quantitation level in the discharges from the facility, or it is above the quantitation level but its presence is caused solely by natural background sources, the permittee may request to the board in writing that further impaired water monitoring be discontinued. The laboratory certificate of analysis shall be submitted with the request. If approved, documentation of this shall be kept with the SWPPP.

To support a determination that the pollutant's presence is caused solely by natural background sources, the following documentation shall be submitted with the request and kept with the SWPPP: (i) an explanation of why it is believed that the presence of the impairment pollutant in the facility's discharge is not related to the activities at the facility; and (ii) data or studies that tie the presence of the impairment pollutant in the facility's discharge to natural background sources in the watershed. Natural background pollutants include those substances that are naturally occurring in soils or groundwater. Natural background pollutants do not include legacy pollutants from earlier activity at the facility's site, or pollutants in run-on from neighboring sources that are not naturally occurring.

2. Monitoring instructions.
   a. Collection and analysis of samples. Sampling requirements shall be assessed on an outfall by outfall basis. Samples shall be collected and analyzed in accordance with the requirements of Part II A.
   b. When and how to sample. A minimum of one grab sample shall be taken from the discharge associated with industrial activity resulting from a storm event that results in a discharge from the site (defined as a "measurable storm event"), providing the interval from the preceding measurable storm event is at least 72 hours. The 72-hour storm interval is waived if the permittee is able to document that less than a 72-hour interval is representative for local storm events during the sampling period. In the case of snowmelt, the monitoring shall be performed at a time when a measurable discharge occurs at the site. For discharges from a stormwater management structure, the monitoring shall be performed at a time when a measurable discharge occurs from the structure.

      The grab sample shall be taken during the first 30 minutes of the discharge. If it is not practicable to take the sample during the first 30 minutes, the sample may be taken during the first three hours of the discharge, provided that the permittee explains why a grab sample during the first 30 minutes was impracticable. This information shall be submitted in the department's electronic discharge monitoring report (e-DMR) system, and maintained with the SWPPP. If the sampled discharge commingles with process or nonprocess water, the permittee shall attempt to sample the stormwater discharge before it mixes with the nonstormwater.

   c. Storm event data. For each monitoring event (except snowmelt monitoring), along with the monitoring results, the permittee shall identify the date and duration (in hours) of the storm events sampled; rainfall total (in inches) of the storm event that generated the sampled runoff; and the duration between the storm event sampled and the end of the previous measurable storm event. For snowmelt monitoring, the permittee shall identify the date of the sampling event.
   d. Monitoring periods.
      (1) Quarterly visual monitoring. The quarterly visual examinations shall be made at least once in each of the following three-month periods each year of permit coverage: January through March, April through June, July through September, and October through December.
      (2) Benchmark monitoring, effluent limitation monitoring, and impaired waters monitoring (for waters both with and without an approved TMDL). Monitoring shall be conducted at least once in each of the following semiannual periods each year of permit coverage: January through June, and July through December.
   e. Documentation explaining a facility's inability to obtain a sample (including dates and times the outfalls were viewed or sampling was attempted), of no rain event, or of deviation from the "measurable" storm event requirements shall be maintained with the SWPPP. Acceptable documentation includes National Climatic Data Center (NCDC) weather station data, local weather station data, facility rainfall logs, and other appropriate supporting data.

f. Representative outfalls - substantially identical discharges. If the facility has two or more outfalls that discharge substantially identical effluents, based on similarities of the industrial activities, significant materials, size of drainage areas, and stormwater management practices occurring within the drainage areas of the outfalls, frequency of discharges, and stormwater management practices occurring within the drainage areas of the outfalls, the permittee may conduct monitoring on the effluent of just one of the outfalls and report that the observations also apply to the substantially identical outfall or outfalls. The substantially identical outfall monitoring provisions apply to quarterly visual monitoring, benchmark monitoring, and impaired waters monitoring (both those with and without an approved TMDL). The substantially identical outfall monitoring provisions are not available for numeric effluent limits monitoring.

The permittee shall include the following information in the SWPPP:
(1) The locations of the outfalls;
(2) An evaluation, including available monitoring data, indicating the outfalls are expected to discharge substantially identical effluents, including evaluation of monitoring data where available; and
(3) An estimate of the size of each outfall's drainage area in acres.

3. Adverse climatic conditions waiver. When adverse weather conditions prevent the collection of samples, a substitute sample may be taken during a qualifying storm event in the next monitoring period. Adverse weather conditions are those that are dangerous or create inaccessibility for personnel, and may include such things as local flooding, high winds, electrical storms, or situations that otherwise make sampling impracticable, such as drought or extended frozen conditions. Unless specifically stated otherwise, this waiver may be applied to any monitoring required under this permit. Narrative documentation of conditions necessitating the use of the waiver shall be kept with the SWPPP.

4. Inactive and unstaffed sites (including temporarily inactive sites).
   a. A waiver of the quarterly visual monitoring, routine facility inspections, and monitoring requirements (including benchmark, effluent limitation, and impaired waters monitoring) may be granted by the board at a facility that is both inactive and unstaffed, as long as the facility remains inactive and unstaffed and there are no industrial materials or activities exposed to stormwater. The owner of such a facility is only required to conduct an annual routine site inspection in accordance with the requirements in Part III B 5.
   b. An inactive and unstaffed sites waiver request shall be submitted to the board for approval and shall include the name of the facility; the facility's VPDES general permit registration number; a contact person, phone number and email address; the reason for the request; and the date the facility became or will become inactive and unstaffed. The waiver request shall be signed and certified in accordance with Part II K. If this waiver is granted, a copy of the request and the board's written approval of the waiver shall be maintained with the SWPPP.
   c. If circumstances change and industrial materials or activities become exposed to stormwater, or the facility becomes either active or staffed, the permittee shall notify the department within 30 days, and all quarterly visual monitoring, routine facility inspections, and monitoring requirements shall be resumed immediately.
   d. The board retains the right to revoke this waiver when it is determined that the discharge is causing, has a reasonable potential to cause, or contributes to a water quality standards violation.
   e. Inactive and unstaffed facilities covered under Sector G (Metal Mining) and Sector H (Coal Mines and Coal Mining-Related Facilities) are not required to meet the "no industrial materials or activities exposed to stormwater" standard to be eligible for this waiver, consistent with the conditional exemption requirements established in Part IV Sector G and Part IV Sector H.

5. Reporting monitoring results.
   a. Reporting to the department. The permittee shall follow the reporting requirements and deadlines below for the types of monitoring that apply to the facility:

| TABLE 70-4<br>MONITORING REPORTING REQUIREMENTS | |
|---|---|
| Quarterly Visual Monitoring | Retain results with SWPPP - do not submit unless requested to do so by the department. |

   Permittees shall submit results for each outfall associated with industrial activity according to the requirements of Part II C.
   b. Significant digits. The permittee shall report at least the same number of significant digits as a numeric effluent limitation or TMDL wasteload allocation for a given parameter; otherwise, at least two significant digits shall be reported for a given parameter. Regardless of the rounding convention used by the permittee (i.e., five always rounding up or to the nearest even number), the permittee shall use the convention consistently and shall ensure that consulting laboratories employed by the permittee use the same convention.

6. Corrective actions.
   a. Data exceeding benchmark concentration values.
      (1) If the benchmark monitoring result exceeds the benchmark concentration value for that parameter, the permittee shall review the SWPPP and modify it as necessary to address any deficiencies that caused the exceedance. Revisions to the SWPPP shall be completed within 60 days after an exceedance is discovered. When control measures need to be modified or added (distinct from regular preventive maintenance of existing control measures described in Part III C), implementation shall be completed before the next anticipated storm event if possible, but no later than 60 days after the exceedance is discovered, or as otherwise provided or approved by the department. In cases where construction is necessary to implement control measures, the permittee shall include a schedule in the SWPPP that provides for the completion of the control measures as expeditiously as practicable, but no later than three years after the exceedance is discovered. Where a construction compliance schedule is included in the SWPPP, the SWPPP shall include appropriate nonstructural and temporary controls to be implemented in the affected portions of the facility prior to completion of the permanent control measure. Any control measure modifications shall be documented and dated, and retained with the SWPPP, along with the amount of time taken to modify the applicable control measures or implement additional control measures.
      (2) Natural background pollutant levels. If the concentration of a pollutant exceeds a benchmark concentration value, and the permittee determines that exceedance of the benchmark is attributable solely to the presence of that pollutant in the natural background, corrective action is not required provided that:
         (a) The concentration of the benchmark monitoring result is less than or equal to the concentration of that pollutant in the natural background;
         (b) The permittee documents and maintains with the SWPPP the supporting rationale for concluding that benchmark exceedances are in fact attributable solely to natural background pollutant levels. The supporting rationale shall include any data previously collected by the facility or others (including literature studies) that describe the levels of natural background pollutants in the facility's stormwater discharges; and

(c) The permittee notifies the department on the benchmark monitoring DMR that the benchmark exceedances are attributable solely to natural background pollutant levels.

Natural background pollutants include those substances that are naturally occurring in soils or groundwater. Natural background pollutants do not include legacy pollutants from earlier activity on the facility's site, or pollutants in run-on from neighboring sources that are not naturally occurring.

b. Corrective actions. The permittee shall take corrective action whenever:
(1) Routine facility inspections, inspections by local, state or federal officials, or any other process, observation or event result in a determination that modifications to the stormwater control measures are necessary to meet the permit requirements;
(2) There is any exceedance of an effluent limitation (including coal pile runoff), TMDL wasteload allocation, or a reduction required by a local ordinance established by a municipality to meet Chesapeake Bay TMDL requirements; or
(3) The department determines, or the permittee becomes aware, that the stormwater control measures are not stringent enough for the discharge to meet applicable water quality standards.

The permittee shall review the SWPPP and modify it as necessary to address any deficiencies. Revisions to the SWPPP shall be completed within 60 days following the discovery of the deficiency. When control measures need to be modified or added (distinct from regular preventive maintenance of existing control measures described in Part III C), implementation shall be completed before the next anticipated storm event if possible, but no later than 60 days after the deficiency is discovered, or as otherwise provided or approved by the department. In cases where construction is necessary to implement control measures, the permittee shall include a schedule in the SWPPP that provides for the completion of the control measures as expeditiously as practicable, but no later than three years after the deficiency is discovered. Where a construction compliance schedule is included in the SWPPP, the SWPPP shall include appropriate nonstructural and temporary controls to be implemented in the affected portion of the facility prior to completion of the permanent control measure. The amount of time taken to modify a control measure or implement additional control measures shall be documented in the SWPPP.

Any corrective actions taken shall be documented and retained with the SWPPP. Reports of corrective actions shall be signed in accordance with Part II K.

c. Follow-up reporting. If at any time monitoring results indicate that discharges from the facility exceed an effluent limitation or a TMDL wasteload allocation, or the department determines that discharges from the facility are causing or contributing to an exceedance of a water quality standard, immediate steps shall be taken to eliminate the exceedances in accordance with the above Part I A 6 b (Corrective actions). Within 30 calendar days of implementing the relevant corrective action, an exceedance report shall be submitted to the department. The following information shall be included in the report:
(1) General permit registration number;
(2) Facility name and address;
(3) Receiving water for each outfall exceeding an effluent limitation of TMDL wasteload allocation;
(4) Monitoring data from the event being reported;
(5) A narrative description of the situation;
(6) A description of actions taken since the event was discovered and steps taken to minimize to the extent feasible pollutants in the discharge; and
(7) A local facility contact name, email address, and phone number.

B. Special conditions.

1. Authorized nonstormwater discharges. Except as provided in this section or in Part IV (9VAC25-151-90 et seq.), all discharges covered by this permit shall be composed entirely of stormwater. The following nonstormwater discharges are authorized by this permit:
   a. Discharges from emergency firefighting activities;
   b. Fire hydrant flushings, managed in a manner to avoid an instream impact;
   c. Potable water, including water line flushings, managed in a manner to avoid an instream impact;
   d. Uncontaminated condensate from air conditioners, coolers, and other compressors and from the outside storage of refrigerated gases or liquids;
   e. Irrigation drainage;
   f. Landscape watering provided all pesticides, herbicides, and fertilizer have been applied in accordance with the approved labeling;
   g. Routine external building washdown that does not use detergents or hazardous cleaning products;
   h. Pavement wash waters where no detergents or hazardous cleaning products are used and no spills or leaks of toxic or hazardous materials have occurred (unless all spilled material has been removed). Pavement wash waters shall be managed in a manner to avoid an instream impact;
   i. Uncontaminated groundwater or spring water;
   j. Foundation or footing drains where flows are not contaminated with process materials; and
   k. Incidental windblown mist from cooling towers that collects on rooftops or adjacent portions of the facility, but not intentional discharges from the cooling tower (e.g., "piped" cooling tower blowdown or drains).

   All other nonstormwater discharges are not authorized and shall either be eliminated or covered under a separate VPDES permit.

2. Releases of hazardous substances or oil in excess of reportable quantities. The discharge of hazardous substances or oil in the stormwater discharges from the facility shall be prevented or minimized in accordance with the SWPPP for the facility. This permit does not authorize the discharge of hazardous substances or oil resulting from an on-site spill. This permit does not relieve the permittee of the reporting requirements of 40 CFR Part 110, 40 CFR Part 117, and 40 CFR Part 302 or § 62.1-44.34:19 of the Code of Virginia.

   Where a release containing a hazardous substance or oil in an amount equal to or in excess of a reportable quantity established under either 40 CFR Part 110, 40 CFR Part 117, or 40 CFR Part 302 occurs during a 24-hour period:
   a. The permittee is required to notify the department in accordance with the requirements of Part II G as soon as he has knowledge of the discharge;
   b. Where a release enters an MS4, the permittee shall also notify the owner of the MS4; and
   c. The SWPPP required under Part III shall be reviewed to identify measures to prevent the reoccurrence of such releases and to respond to such releases, and the SWPPP shall be modified where appropriate.

3. Colocated industrial activity. If the facility has industrial activities occurring on-site which are described by any of the activities in Part IV of the permit (9VAC25-151-90 et seq.), those industrial activities are considered to be colocated industrial activities. Stormwater discharges from colocated industrial activities are authorized by this permit, provided that the permittee complies with any and all additional SWPPP and monitoring requirements from Part IV applicable to that particular colocated industrial activity. The permittee shall be responsible for additional SWPPP and monitoring requirements applicable to the colocated industrial activity by examining the narrative descriptions of all discharges covered under this section.

4. The stormwater discharges authorized by this permit may be combined with other sources of stormwater which are not required to be covered under a VPDES permit, so long as the combined discharge is in compliance with this permit.

5. There shall be no discharge of waste, garbage, or floating debris in other than trace amounts.

6. Approval for coverage under this general permit does not relieve the permittee of the responsibility to comply with any other applicable federal, state, or local statute, ordinance, or regulation.

7. Discharges to waters subject to TMDL wasteload allocations. Owners of facilities that are a source of the specified pollutant of concern to waters for which a TMDL wasteload allocation has been approved prior to the term of this permit shall incorporate measures and controls into the SWPPP required by Part III that are consistent with the assumptions and requirements of the TMDL. The department will provide written notification to the owner that a facility is subject to the TMDL requirements. The facility's SWPPP shall specifically address any conditions or requirements included in the TMDL that are applicable to discharges from the facility. If the TMDL establishes a specific numeric wasteload allocation that applies to discharges from the facility, the owner shall perform any required monitoring in accordance with Part I A 1 c (3), and implement control measures designed to meet that allocation.

8. Discharges to waters subject to the Chesapeake Bay TMDL.
   a. Owners of facilities in the Chesapeake Bay watershed shall monitor their discharges for total suspended solids (TSS), total nitrogen (TN), and total phosphorus (TP) to characterize the contributions from their facility's specific industrial sector for these parameters. Total nitrogen is the sum of total Kjeldahl nitrogen (TKN) and nitrite + nitrate and shall be derived from the results of those tests. After the facility is granted coverage under the permit, samples shall be collected during each of the first four monitoring periods (i.e., the first two years of permit coverage). Monitoring periods are specified in Part I A 2. Samples shall be collected and analyzed in accordance with Part I A 2. Monitoring results shall be reported in accordance with Part I A 5 and Part II C, and retained in accordance with Part II B.
   b. Facilities that were covered under the 2014 industrial stormwater general permit shall comply with the following:
      (1) Facilities that submitted a Chesapeake Bay TMDL action plan that was approved by the board during the 2014 industrial stormwater general permit term shall continue to implement the approved Chesapeake Bay TMDL action plan during this permit term. An annual report shall be submitted to the department by June 30 of each year describing the progress in meeting the required reductions unless this reporting requirement is waived by the department in accordance with Part I B 8 g. Monitoring in accordance with Part I B 8 a is not required for these facilities during this permit term.

(2) Facilities that completed four samples for TSS, TN, and TP during the 2014 industrial stormwater general permit term shall utilize the procedures in Part I B 8 c (2) to calculate their facility stormwater loads. The permittee shall submit a copy of the calculations and Chesapeake Bay TMDL action plan if required under Part I B 8 f to the department within 60 days of coverage under this general permit.

(3) Facilities that did not complete four samples for TSS, TN, and TP during the 2014 industrial stormwater general permit term shall be subject to completing the monitoring requirements in Part I B 8 a beginning with the first full monitoring period after receiving permit coverage. Calculations and a Chesapeake Bay TMDL action plan if required under Part I B 8 f shall be submitted no later than 90 days following the completion of the fourth monitoring period to the DEQ regional office serving the area where the industrial facility is located on a form provided by the department and maintained with the facility's SWPPP.

(4) Facilities that monitored for TSS, TN, or TP may use the applicable sampling data collected during the 2014 industrial stormwater general permit term to satisfy all or part of the four monitoring periods requirement in accordance with Part I B 8 a.

c. Chesapeake Bay TMDL wasteload allocations and Chesapeake Bay TMDL action plans.

(1) EPA's Chesapeake Bay TMDL (December 29, 2010) includes wasteload allocations for VPDES permitted industrial stormwater facilities as part of the regulated stormwater aggregate load. EPA used data submitted by Virginia with the Phase I Chesapeake Bay TMDL Watershed Implementation Plan, including the number of industrial stormwater permits per county and the number of urban acres regulated by industrial stormwater permits, as part of their development of the aggregate load. Aggregate loads for industrial stormwater facilities were appropriate because actual facility loading data were not available to develop individual facility wasteload allocations.

Virginia estimated the loadings from industrial stormwater facilities using actual and estimated facility acreage information and TP, TN, and TSS loading rates from the Northern Virginia Planning District Commission (NVPDC) Guidebook for Screening Urban Nonpoint Pollution Management Strategies (Annandale, VA November 1979), prepared for the Metropolitan Washington Council of Governments. The loading rates used were as follows:

TP - High (80%) imperviousness industrial; 1.5 lb/ac/yr
TN - High (80%) imperviousness industrial; 12.3 lb/ac/yr
TSS - High (80%) imperviousness industrial; 440 lb/ac/yr

The actual facility area information and the TP, TN, and TSS data collected for this permit will be used by the board to quantify the nutrient and sediment loads from VPDES permitted industrial stormwater facilities.

(2) Calculation of facility loads. The permittee shall analyze the nutrient and sediment data collected in accordance with Part I B 8 a and 8 b to determine if pollution reductions are required for this permit term. The permittee shall average the data collected at the facility for each of the pollutants of concern (POC) (e.g., TP, TN, and TSS) and compare the results to the loading rates for TP, TN, and TSS presented in Part I B 8 c (1).

The following formula may be used to determine the loading rate:
$L = 0.226 \times P \times Pj \times (0.05 + (0.9 \times Ia)) \times C$

where:
L = the POC loading rate (lb/acre/year)
P = the annual rainfall (inches/year) - The permittee may use either actual annual average rainfall data for the facility location (in inches/year), the Virginia annual average rainfall of 44.3 inches/year, or another method approved by the board.
Pj = the fraction of annual events that produce runoff - The permittee shall use 0.9 unless the board approves another rate.
Ia = the impervious fraction of the facility impervious area of industrial activity to the facility industrial activity area
C = the POC average concentration of all facility samples (mg/L) - Facilities with multiple outfalls shall calculate a weighted average concentration for each outfall using the drainage area of each outfall.

For total phosphorus and total suspended solids, all daily concentration data below the quantitation level (QL) for the analytical method used shall be treated as half the QL. All daily concentration data equal to or above the QL for the analytical method used shall be treated as it is reported.

For total nitrogen, if none of the daily concentration data for the respective species (i.e., TKN, nitrate, or nitrite) are equal to or above the QL for the respective analytical methods used, the daily TN concentration value reported shall equal one half of the largest QL used for the respective species. If one of the data is equal to or above the QL, the daily TN concentration value shall be treated as that data point is reported. If more than one of the data is above the QL, the daily TN concentration value shall equal the sum of the data points as reported.

d. The permittee shall submit a copy of the calculations to the department within 90 days from the end of the last monitoring period that satisfies the monitoring requirement in Part I B 8 a. Calculations shall be submitted to the DEQ regional office serving the area where the industrial facility is located, on a form provided by the department, and maintained with the facility's SWPPP.
e. Any modification to the facility's industrial acreage or impervious industrial acreage shall require the facility to recalculate facility loading rates. This may require the facility to modify the facility's Chesapeake Bay TMDL action plan or submit a Chesapeake Bay TMDL action plan as appropriate. Any recalculation of facility loading rates or modifications to a Chesapeake Bay TMDL action plan shall be submitted to the department within 90 days of the date on which the permittee completes a site modification. If previous monitoring is no longer representative of the modified facility, monitoring in accordance with Part I B 8 a shall commence within 90 days of the modification and the revised calculations and Chesapeake Bay TMDL action plan if required under Part I B 8 f shall be submitted no later than 90 days following completion of the fourth monitoring period.
f. Chesapeake Bay TMDL action plan requirements. If the calculated facility loading rate for TP, TN, or TSS is above the loading rates for TP, TN, or TSS presented in Part I B 8 c (1), then the permittee shall develop and submit a Chesapeake Bay TMDL action plan to the department.

The Chesapeake Bay TMDL action plan shall be submitted on a form provided by the department to the regional office serving the area where the industrial facility is located within 90 days following the completion of the fourth monitoring period. A copy of the current Chesapeake Bay TMDL action plan and all facility loading rate calculations shall be maintained with the facility's SWPPP. The Chesapeake Bay TMDL action plan shall include:

(1) A determination of the total pollutant load reductions for TP, TN, and TSS (as appropriate) necessary to reduce the annual loads from industrial activities. This shall be determined by multiplying the industrial average times the difference between the TMDL loading rates listed in Part I B 8 c (1) and the actual facility loading rates calculated in accordance with Part I B 8 c (2). The reduction applies to the total difference calculated for each pollutant of concern;
(2) The means and methods, such as management practices and retrofit programs, that will be utilized to meet the required reductions determined in Part I B 8 f (1) and a schedule to achieve those reductions by June 30, 2024. The schedule should include annual milestones to demonstrate the ongoing progress in meeting those reductions; and
(3) The permittee may consider utilization of any pollutant trading or offset program in accordance with §§ 62.1-44.19:20 through 62.1-44.19:23 of the Code of Virginia, governing trading and offsetting, to meet the required reductions.

g. A permittee required to develop and implement a Chesapeake Bay TMDL Action Plan shall submit an annual report to the department by June 30 of each year describing the progress in meeting the required reductions.
h. Chesapeake Bay TMDL action plan annual reporting waiver. Upon implementation of the facility's Chesapeake Bay TMDL action plan, permittees may submit a waiver for the annual reporting requirements. The waiver request shall be submitted for board approval to the DEQ regional office serving the area where the industrial facility is located on a form provided by the department. Annual reporting requirements will be in effect until the permittee receives notice from the department that the waiver has been approved. A copy of the waiver approval shall be maintained with the SWPPP. The waiver may be revoked for cause by the board. A waiver request may be approved by the board once the permittee demonstrates that they have achieved all of the required pollutant reductions calculated under Part I B 8 f (1). Pollutant reductions may be achieved using a combination of the following alternatives:
(1) Reductions provided by one or more of the BMPs from the Virginia Stormwater BMP Clearinghouse listed in 9VAC25-870-65, approved BMPs found on the Virginia Stormwater Clearinghouse website, or BMPs approved by the Chesapeake Bay Program. Any BMPs implemented to provide the required pollutant reductions shall be incorporated in the SWPPP and be permanently maintained by the permittee;
(2) Implementation of site-specific BMPs followed by a minimum of four stormwater samples collected in accordance with sampling requirements in Part I B 8 a that demonstrate pollutant loadings have been reduced below those calculated under Part I B 8 c. Any BMPs implemented to provide the required pollutant reductions shall be incorporated in the SWPPP and be permanently maintained by the permittee; or
(3) Acquisition of nonpoint source credits certified by the board as perpetual in accordance with § 62.1-44.19:20 of the Code of Virginia.

9. Discharges through a regulated MS4 to waters subject to the Chesapeake Bay TMDL. In addition to the requirements of this permit, any facility with industrial activity stormwater discharges through a regulated MS4 that is notified by the MS4 operator that the locality has adopted ordinances to meet the Chesapeake Bay TMDL shall incorporate measures and controls into its SWPPP to comply with applicable local TMDL ordinance requirements.

10. Expansion of facilities that discharge to waters subject to the Chesapeake Bay TMDL. Virginia's Phase I Chesapeake Bay TMDL Watershed Implementation Plan (November 29, 2010), states that the wasteloads from any expansion of an existing permitted facility discharging stormwater in the Chesapeake Bay watershed cannot exceed the nutrient and sediment loadings that were discharged from the expanded portion of the land prior to the land being developed for the expanded industrial activity.

a. For any industrial activity area expansions (i.e., construction activities, including clearing, grading, and excavation activities) that commence on or after July 1, 2019, (the effective date of this permit), the permittee shall document in the SWPPP the information and calculations used to determine the nutrient and sediment loadings discharged from the expanded land area prior to the land being developed, and the measures and controls that were employed to meet the no net increase of stormwater nutrient and sediment load as a result of the expansion of the industrial activity. Any land disturbance that is exempt from permitting under the VPDES construction stormwater general permit regulation (9VAC25-880) is exempt from this requirement.
b. The permittee may use the VSMP water quality design criteria to meet the requirements of Part I B 10 a. Under this criteria, the total phosphorus load shall not exceed the greater of (i) the total phosphorus load that was discharged from the expanded portion of the land prior to the land being developed for the industrial activity or (ii) 0.41 pounds per acre per year. Compliance with the water quality design criteria may be determined utilizing the Virginia Runoff Reduction Method or another equivalent methodology approved by the board. Design specifications and pollutant removal efficiencies for specific BMPs can be found on the Virginia Stormwater BMP Clearinghouse website.
c. The permittee may consider utilization of any pollutant trading or offset program in accordance with §§ 62.1-44.19:20 through 62.1-44.19:23 of the Code of Virginia, governing trading and offsetting, to meet the no net increase requirement.

10. Water quality protection. The discharges authorized by this permit shall be controlled as necessary to meet applicable water quality standards. The board expects that compliance with the conditions in this permit will control discharges as necessary to meet applicable water quality standards.

11. Adding or deleting stormwater outfalls. The permittee may add new or delete existing stormwater outfalls at the facility as necessary and appropriate. The permittee shall update the SWPPP and notify the department of all outfall changes within 30 days of the change. The permittee shall submit a copy of the updated SWPPP site map with this notification.

12. Antidegradation requirements for new or increased discharges to high quality waters. Facilities that add new outfalls, or increase their discharges from existing outfalls that discharge directly to high quality waters designated under Virginia's water quality standards antidegradation policy under 9VAC25-260-30 A 2 may be notified by the department that additional control measures, or other permit conditions are necessary to comply with the applicable antidegradation requirements, or may be notified that an individual permit is required in accordance with 9VAC25-31-170 B 3.

13. Termination of permit coverage.
    a. The owner may terminate coverage under this general permit by filing a complete notice of termination with the department. The notice of termination may be filed after one or more of the following conditions have been met:
        (1) Operations have ceased at the facility and there are no longer discharges of stormwater associated with industrial activity from the facility;
        (2) A new owner has assumed responsibility for the facility. A notice of termination does not have to be submitted if a VPDES Change of Ownership Agreement Form has been submitted;
        (3) All stormwater discharges associated with industrial activity have been covered by an individual VPDES permit; or
        (4) Termination of coverage is being requested for another reason, provided the board agrees that coverage under this general permit is no longer needed.

b. The notice of termination shall contain the following information:
   (1) Owner's name, mailing address, telephone number, and email address (if available);
   (2) Facility name and location;
   (3) VPDES industrial stormwater general permit registration number;
   (4) The basis for submitting the notice of termination, including:
      (a) A statement indicating that a new owner has assumed responsibility for the facility;
      (b) A statement indicating that operations have ceased at the facility, and there are no longer discharges of stormwater associated with industrial activity from the facility;
      (c) A statement indicating that all stormwater discharges associated with industrial activity have been covered by an individual VPDES permit; or
      (d) A statement indicating that termination of coverage is being requested for another reason and a description of the reason; and
   (5) The following certification: "I certify under penalty of law that all stormwater discharges associated with industrial activity from the identified facility that are authorized by this VPDES general permit have been eliminated, or covered under a VPDES individual permit, or that I am no longer the owner of the industrial activity, or permit coverage should be terminated for another reason listed above. I understand that by submitting this notice of termination, that I am no longer authorized to discharge stormwater associated with industrial activity in accordance with the general permit, and that discharging pollutants in stormwater associated with industrial activity to surface waters is unlawful where the discharge is not authorized by a VPDES permit. I also understand that the submittal of this notice of termination does not release an owner from liability for any violations of this permit or the Clean Water Act."
c. The notice of termination shall be signed in accordance with Part II K.
d. The notice of termination shall be submitted to the DEQ regional office serving the area where the industrial facility is located.

# Part II. Conditions Applicable To All VPDES Permits

A. Monitoring.

1. Samples and measurements taken as required by this permit shall be representative of the monitored activity.
2. Monitoring shall be conducted according to procedures approved under 40 CFR Part 136 or alternative methods approved by the U.S. Environmental Protection Agency, unless other procedures have been specified in this permit.
3. The permittee shall periodically calibrate and perform maintenance procedures on all monitoring and analytical instrumentation at intervals that will ensure accuracy of measurements.
4. Samples taken as required by this permit shall be analyzed in accordance with 1VAC30-45, (Certification for Noncommercial Environmental Laboratories), or 1VAC30-46 (Accreditation for Commercial Environmental Laboratories).

B. Records.

1. Records of monitoring information shall include:
   a. The date, exact place, and time of sampling or measurements;
   b. The individuals who performed the sampling or measurements;
   c. The dates and times analyses were performed;
   d. The individuals who performed the analyses;
   e. The analytical techniques or methods used; and
   f. The results of such analyses.
2. The permittee shall retain copies of the SWPPP, including any modifications made during the term of this permit, records of all monitoring information, including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation, copies of all reports required by this permit, and records of all data used to complete the registration statement for this permit, for a period of at least three years from the date that coverage under this permit expires or is terminated. This period of retention shall be extended automatically during the course of any unresolved litigation regarding the regulated activity or regarding control standards applicable to the permittee, or as requested by the board.

C. Reporting Monitoring Results.

1. The permittee shall submit the results of the monitoring required by this permit not later than the 10th day of the month after monitoring takes place, unless another reporting schedule is specified elsewhere in this permit. Monitoring results shall be submitted to the department's regional office.
2. Monitoring results shall be reported in the department's electronic discharge monitoring report (e-DMR) system. All reports and forms submitted in compliance with this permit shall be submitted electronically by the permittee in accordance with 9VAC25-31-1020.
3. If the permittee monitors any pollutant specifically addressed by this permit more frequently than required by this permit using test procedures approved under 40 CFR Part 136 or using other test procedures approved by the U.S. Environmental Protection Agency or using procedures specified in this permit, the results of this monitoring shall be included in the calculation and reporting of the data submitted in e-DMR or reporting form specified by the department.
4. Calculations for all limitations which require averaging of measurements shall utilize an arithmetic mean unless otherwise specified in this permit.

D. Duty to Provide Information.

The permittee shall furnish to the Department, within a reasonable time, any information which the board may request to determine whether cause exists for modifying, revoking and reissuing, or terminating coverage under this permit or to determine compliance with this permit. The board may require the permittee to furnish, upon request, such plans, specifications, and other pertinent information as may be necessary to determine the effect of the wastes from the discharge on the quality of state waters, or such other information as may be necessary to accomplish the purposes of the State Water Control Law. The permittee shall also furnish to the department upon request, copies of records required to be kept by this permit.

E. Compliance Schedule Reports.

Reports of compliance or noncompliance with, or any progress reports on, interim and final requirements contained in any compliance schedule of this permit shall be submitted no later than 14 days following each schedule date.

F. Unauthorized Discharges.

Except in compliance with this permit, or another permit issued by the Board, it shall be unlawful for any person to:

1. Discharge into state waters sewage, industrial wastes, other wastes, or any noxious or deleterious substances; or
2. Otherwise alter the physical, chemical or biological properties of such state waters and make them detrimental to the public health, or to animal or aquatic life, or to the use of such waters for domestic or industrial consumption, or for recreation, or for other uses.

G. Reports of Unauthorized Discharges.

Any permittee who discharges or causes or allows a discharge of sewage, industrial waste, other wastes or any noxious or deleterious substance into or upon state waters in violation of Part II F; or who discharges or causes or allows a discharge that may reasonably be expected to enter state waters in violation of Part II F, shall notify the department of the discharge immediately upon discovery of the discharge, but in no case later than 24 hours after said discovery. A written report of the unauthorized discharge shall be submitted to the department within five days of discovery of the discharge. The written report shall contain:

1. A description of the nature and location of the discharge;
2. The cause of the discharge;
3. The date on which the discharge occurred;
4. The length of time that the discharge continued;
5. The volume of the discharge;
6. If the discharge is continuing, how long it is expected to continue;
7. If the discharge is continuing, what the expected total volume of the discharge will be; and
8. Any steps planned or taken to reduce, eliminate and prevent a recurrence of the present discharge or any future discharges not authorized by this permit.

Discharges reportable to the department under the immediate reporting requirements of other regulations are exempted from this requirement.

H. Reports of Unusual or Extraordinary Discharges.

If any unusual or extraordinary discharge including a bypass or upset should occur from a treatment works and the discharge enters or could be expected to enter state waters, the permittee shall promptly notify, in no case later than 24 hours, the department by telephone after the discovery of the discharge. This notification shall provide all available details of the incident, including any adverse affects on aquatic life and the known number of fish killed. The permittee shall reduce the report to writing and shall submit it to the department within five days of discovery of the discharge in accordance with Part II I 1 b. Unusual and extraordinary discharges include any discharge resulting from:

1. Unusual spillage of materials resulting directly or indirectly from processing operations;
2. Breakdown of processing or accessory equipment;
3. Failure or taking out of service some or all of the treatment works; and
4. Flooding or other acts of nature.

I. Reports of Noncompliance.

1. The permittee shall report any noncompliance that may adversely affect state waters or may endanger public health.
   a. An oral report shall be provided within 24 hours from the time the permittee becomes aware of the circumstances. The following shall be included as information which shall be reported within 24 hours under Part II I:
      (1) Any unanticipated bypass; and
      (2) Any upset which causes a discharge to surface waters.
   b. A written report shall be submitted within five days and shall contain:
      (1) A description of the noncompliance and its cause;
      (2) The period of noncompliance, including exact dates and times, and if the noncompliance has not been corrected, the anticipated time it is expected to continue; and
      (3) Steps taken or planned to reduce, eliminate, and prevent reoccurrence of the noncompliance.

   The board may waive the written report on a case-by-case basis for reports of noncompliance under Part II I if the oral report has been received within 24 hours and no adverse impact on state waters has been reported.

2. The permittee shall report all instances of noncompliance not reported under Part II I 1 in writing, at the time the next monitoring reports are submitted. The reports shall contain the information listed in Part II I 1.
3. The immediate (within 24 hours) reports required in Part II G, H. and I. may be made to the department's Northern Regional Office at (703) 583-3800 (voice) or online at http://www.deq.virginia.gov/Programs/PollutionResponsePreparedness/MakingaReport.aspx. For reports outside normal working hours, a message may be left and this shall fulfill the immediate reporting requirement. For emergencies, the Virginia Department of Emergency Management maintains a 24-hour telephone service at 1-800-468-8892.

J. Notice of Planned Changes.

1. The permittee shall give notice to the department as soon as possible of any planned physical alterations or additions to the permitted facility. Notice is required only when:
   a. The permittee plans alteration or addition to any building, structure, facility, or installation from which there is or may be a discharge of pollutants, the construction of which commenced:

(1) After promulgation of standards of performance under § 306 of Clean Water Act which are applicable to such source; or
(2) After proposal of standards of performance in accordance with § 306 of Clean Water Act which are applicable to such source, but only if the standards are promulgated in accordance with § 306 within 120 days of their proposal;

b. The alteration or addition could significantly change the nature or increase the quantity of pollutants discharged. This notification applies to pollutants which are subject neither to effluent limitations nor to notification requirements specified elsewhere in this permit; or
c. The alteration or addition results in a significant change in the permittee's sludge use or disposal practices, and such alteration, addition, or change may justify the application of permit conditions that are different from or absent in the existing permit, including notification of additional use or disposal sites not reported during the permit application process or not reported pursuant to an approved land application plan.

2. The permittee shall give advance notice to the Department of any planned changes in the permitted facility or activity which may result in noncompliance with permit requirements.

K. Signatory Requirements.

1. Registration Statements. All registration statements shall be signed as follows:
   a. For a corporation: by a responsible corporate officer. For the purpose of this section, a responsible corporate officer means (i) a president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy- or decision-making functions for the corporation; or (ii) the manager of one or more manufacturing, production, or operating facilities, provided the manager is authorized to make management decisions that govern the operation of the regulated facility including having the explicit or implicit duty of making major capital investment recommendations, and initiating and directing other comprehensive measures to assure long-term environmental compliance with environmental laws and regulations; the manager can ensure that the necessary systems are established or actions taken to gather complete and accurate information for permit registration requirements; and where authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures;
   b. For a partnership or sole proprietorship: by a general partner or the proprietor, respectively; or
   c. For a municipality, state, federal, or other public agency: by either a principal executive officer or ranking elected official. For purposes of this section, a principal executive officer of a public agency includes (i) the chief executive officer of the agency, or (ii) a senior executive officer having responsibility for the overall operations of a principal geographic unit of the agency.
2. Reports, etc. All reports required by permits, and other information requested by the board shall be signed by a person described in Part II K 1 or by a duly authorized representative of that person. A person is a duly authorized representative only if:
   a. The authorization is made in writing by a person described in Part II K 1;
   b. The authorization specifies either an individual or a position having responsibility for the overall operation of the regulated facility or activity such as the position of plant manager, operator of a well or a well field, superintendent, position of equivalent responsibility, or an individual or position having overall responsibility for environmental matters for the company. A duly authorized representative may thus be either a named individual or any individual occupying a named position; and
   c. The written authorization is submitted to the department.
3. Changes to authorization. If an authorization under Part II K 2 is no longer accurate because a different individual or position has responsibility for the overall operation of the facility, a new authorization satisfying the requirements of Part II K 2 shall be submitted to the department prior to or together with any reports, or information to be signed by an authorized representative.

4. Certification. Any person signing a document under Part II K 1 or 2 shall make the following certification:

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

L. Duty to Comply.

The permittee shall comply with all conditions of this permit. Any permit noncompliance constitutes a violation of the State Water Control Law and the Clean Water Act, except that noncompliance with certain provisions of this permit may constitute a violation of the State Water Control Law but not the Clean Water Act. Permit noncompliance is grounds for enforcement action; for permit coverage termination or denial of a permit coverage renewal.

The permittee shall comply with effluent standards or prohibitions established under § 307(a) of the Clean Water Act for toxic pollutants within the time provided in the regulations that establish these standards even if this permit has not yet been modified to incorporate the requirement.

M. Duty to Reapply.

If the permittee wishes to continue an activity regulated by this permit after the expiration date of this permit, the permittee shall submit a new registration statement at least 60 days before the expiration date of the existing permit, unless permission for a later date has been granted by the board. The board shall not grant permission for registration statements to be submitted later than the expiration date of the existing permit.

N. Effect of a Permit.

This permit does not convey any property rights in either real or personal property or any exclusive privileges, nor does it authorize any injury to private property or invasion of personal rights, or any infringement of federal, state or local law or regulations.

O. State Law.

Nothing in this permit shall be construed to preclude the institution of any legal action under, or relieve the permittee from any responsibilities, liabilities, or penalties established pursuant to any other state law or regulation or under authority preserved by § 510 of the Clean Water Act. Except as provided in permit conditions on "bypassing" (Part II U), and "upset" (Part II V) nothing in this permit shall be construed to relieve the permittee from civil and criminal penalties for noncompliance.

P. Oil and Hazardous Substance Liability.

Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities, or penalties to which the permittee is or may be subject under §§ 62.1-44.34:14 through 62.1-44.34:23 of the State Water Control Law.

Q. Proper Operation and Maintenance.

The permittee shall at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used by the permittee to achieve compliance with the conditions of this permit. Proper operation and maintenance also includes effective plant performance, adequate funding, adequate staffing, and adequate laboratory and process controls, including appropriate quality assurance procedures. This provision requires the operation of back-up or auxiliary facilities or similar systems which are installed by the permittee only when the operation is necessary to achieve compliance with the conditions of this permit.

R. Disposal of Solids or Sludges.

Solids, sludges or other pollutants removed in the course of treatment or management of pollutants shall be disposed of in a manner so as to prevent any pollutant from such materials from entering state waters.

S. Duty to Mitigate.

The permittee shall take all reasonable steps to minimize or prevent any discharge or sludge use or disposal in violation of this permit which has a reasonable likelihood of adversely affecting human health or the environment.

T. Need to Halt or Reduce Activity not a Defense.

It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.

U. Bypass

1. "Bypass" means the intentional diversion of waste streams from any portion of a treatment facility. The permittee may allow any bypass to occur which does not cause effluent limitations to be exceeded, but only if it also is for essential maintenance to assure efficient operation. These bypasses are not subject to the provisions of Part II U 2 and 3.
2. Notice
   a. Anticipated bypass. If the permittee knows in advance of the need for a bypass, prior notice shall be submitted, if possible at least 10 days before the date of the bypass.
   b. Unanticipated bypass. The permittee shall submit notice of an unanticipated bypass as required in Part II I.
3. Prohibition of bypass.
   a. Bypass is prohibited, and the board may take enforcement action against a permittee for bypass, unless:
      (1) Bypass was unavoidable to prevent loss of life, personal injury, or severe property damage;
      (2) There were no feasible alternatives to the bypass, such as the use of auxiliary treatment facilities, retention of untreated wastes, or maintenance during normal periods of equipment downtime. This condition is not satisfied if adequate back-up equipment should have been installed in the exercise of reasonable engineering judgment to prevent a bypass which occurred during normal periods of equipment downtime or preventive maintenance; and
      (3) The permittee submitted notices as required under Part II U 2.
   b. The board may approve an anticipated bypass, after considering its adverse effects, if the board determines that it will meet the three conditions listed above in Part II U 3 a.

V. Upset.

1. An upset constitutes an affirmative defense to an action brought for noncompliance with technology based permit effluent limitations if the requirements of Part II V 2 are met. A determination made during administrative review of claims that noncompliance was caused by upset, and before an action for noncompliance, is not a final administrative action subject to judicial review.
2. A permittee who wishes to establish the affirmative defense of upset shall demonstrate, through properly signed, contemporaneous operating logs, or other relevant evidence that:
   a. An upset occurred and that the permittee can identify the causes of the upset;
   b. The permitted facility was at the time being properly operated;
   c. The permittee submitted notice of the upset as required in Part II I; and
   d. The permittee complied with any remedial measures required under Part II S.
3. In any enforcement proceeding the permittee seeking to establish the occurrence of an upset has the burden of proof.

W. Inspection and Entry.

The permittee shall allow the director, or an authorized representative, including an authorized contractor acting as a representative of the administrator, upon presentation of credentials and other documents as may be required by law, to:

1. Enter upon the permittee's premises where a regulated facility or activity is located or conducted, or where records must be kept under the conditions of this permit;
2. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;
3. Inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this permit; and
4. Sample or monitor at reasonable times, for the purposes of assuring permit compliance or as otherwise authorized by the Clean Water Act and the State Water Control Law, any substances or parameters at any location.

For purposes of this section, the time for inspection shall be deemed reasonable during regular business hours, and whenever the facility is discharging. Nothing contained herein shall make an inspection unreasonable during an emergency.

X. Permit Actions.

Permit coverages may be terminated for cause. The filing of a request by the permittee for a permit termination, or a notification of planned changes or anticipated noncompliance does not stay any permit condition.

Y. Transfer of Permits.

1. Permits are not transferable to any person except after notice to the department.
2. Coverage under this permit may be automatically transferred to a new permittee if:
   a. The current permittee notifies the department within 30 days of the transfer of the title to the facility or property; unless permission for a later date has been granted by the board;
   b. The notice includes a written agreement between the existing and new permittees containing a specific date for transfer of permit responsibility, coverage, and liability between them; and
   c. The board does not notify the existing permittee and the proposed new permittee of its intent to deny the new permittee coverage under the permit. If this notice is not received, the transfer is effective on the date specified in the agreement mentioned in Part II Y 2 b.

Z. Severability.

The provisions of this permit are severable, and if any provision of this permit or the application of any provision of this permit to any circumstance is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby.

# Part III. Stormwater Pollution Prevention Plan

A stormwater pollution prevention plan (SWPPP) shall be developed and implemented for the facility covered by this permit. The SWPPP is intended to document the selection, design, and installation of control measures, including BMPs, to minimize the pollutants in all stormwater discharges from the facility, and to meet applicable effluent limitations and water quality standards.

The SWPPP requirements of this general permit may be fulfilled, in part, by incorporating by reference other plans or documents such as a spill prevention control and countermeasure (SPCC) plan developed for the facility under § 311 of the Clean Water Act, or best management practices (BMP) programs otherwise required for the facility, provided that the incorporated plan meets or exceeds the plan requirements of Part III B (Contents of the SWPPP). All plans incorporated by reference into the SWPPP become enforceable under this permit. If a plan incorporated by reference does not contain all of the required elements of the SWPPP of Part III B, the permittee shall develop the missing SWPPP elements and include them in the required plan.

A. Deadlines for SWPPP preparation and compliance.

1. Facilities that were covered under the 2014 Industrial Stormwater General Permit. Owners of facilities that were covered under the 2014 Industrial Stormwater General Permit who are continuing coverage under this general permit shall update and implement any revisions to the SWPPP within 90 days of the board granting coverage under this permit.
2. New facilities, facilities previously covered by an expiring individual permit, and existing facilities not currently covered by a VPDES permit. Owners of new facilities, facilities previously covered by an expiring individual permit, and existing facilities not currently covered by a VPDES permit who elect to be covered under this general permit shall prepare and implement the SWPPP prior to submitting the registration statement.
3. New owners of existing facilities. Where the owner of an existing facility that is covered by this permit changes, the new owner of the facility shall update and implement any revisions to the SWPPP within 60 days of the ownership change.
4. Extensions. Upon a showing of good cause, the director may establish a later date in writing for the preparation and compliance with the SWPPP.

B. Contents of the SWPPP.

The contents of the SWPPP shall comply with the requirements listed below and those in the appropriate sectors of Part IV (9VAC25-151-90 et seq.). These requirements are cumulative. If a facility has colocated industrial activities that are covered in more than one sector of Part IV, that facility's SWPPP shall comply with the requirements listed in all applicable sectors. The following requirements are applicable to all SWPPPs developed under this general permit. The SWPPP shall include, at a minimum, the following items:

1. Pollution prevention team. The SWPPP shall identify the staff individuals by name or title who comprise the facility's stormwater pollution prevention team. The pollution prevention team is responsible for assisting the facility or plant manager in developing, implementing, maintaining, revising and ensuring compliance with the facility's SWPPP. Specific responsibilities of each staff individual on the team shall be identified and listed.
2. Site description. The SWPPP shall include the following:
   a. A description of the industrial activities at the facility.
   b. A site map identifying the following:
      (1) The boundaries of the property and the size of the property in acres;
      (2) The location and extent of significant structures and impervious surfaces;

(3) Locations of all stormwater conveyances, including ditches, pipes, swales, and inlets, and the directions of stormwater flow using arrows to indicate which direction stormwater will flow;
(4) Locations of all stormwater control measures, including BMPs;
(5) Locations of all surface water bodies, including wetlands;
(6) Locations of potential pollutant sources identified under Part III B 3;
(7) Locations where significant spills or leaks identified under Part III B 3 c have occurred;
(8) Locations of stormwater outfalls.
(a) An approximate outline of the area draining to each outfall;
(b) The drainage area of each outfall in acres;
(c) The longitude and latitude of each outfall;
(d) The location of any MS4 conveyance receiving discharge from the facility; and
(e) Each outfall shall be identified with a unique numerical identification code. For example: Outfall Number 001, Outfall Number 002, etc.;
(9) Location and description of all nonstormwater discharges;
(10) Location of any storage piles containing salt;
(11) Locations and sources of suspected run-on to the site from an adjacent property if the run-on is suspected of containing significant quantities of pollutants; and
(12) Locations of all stormwater monitoring points.

c. Receiving waters and wetlands. The name of all surface waters receiving discharges from the site, including intermittent streams, dry sloughs, and arroyos. Provide a description of wetland sites that may receive discharges from the facility. If the facility discharges through an MS4, identify the MS4 operator, and the receiving water to which the MS4 discharges.

3. Summary of potential pollutant sources. The SWPPP shall identify each separate area at the facility where industrial materials or activities are exposed to stormwater. Industrial materials or activities include material handling equipment or activities, industrial machinery, raw materials, industrial production and processes, intermediate products, byproducts, final products, and waste products. Material handling activities include the storage, loading and unloading, transportation, disposal, or conveyance of any raw material, intermediate product, final product or waste product. For each separate area identified, the description shall include:
   a. Activities in the area. A list of the industrial activities exposed to stormwater.
   b. Pollutants. A list of the pollutants, pollutant constituents, or industrial chemicals associated with each industrial activity that could potentially be exposed to stormwater. The pollutant list shall include all significant materials handled, treated, stored or disposed that have been exposed to stormwater in the three years prior to the date this SWPPP was prepared or amended. The list shall include any hazardous substances or oil at the facility.
   c. Spills and leaks. The SWPPP shall clearly identify areas where potential spills and leaks that can contribute pollutants to stormwater discharges can occur and their corresponding outfalls. The SWPPP shall include a list of significant spills and leaks of toxic or hazardous pollutants that actually occurred at exposed areas, or that drained to a stormwater conveyance during the three-year period prior to the date this SWPPP was prepared or amended. The list shall be updated within 60 days of the incident if significant spills or leaks occur in exposed areas of the facility during the term of the permit.
   d. Sampling data. The SWPPP shall include stormwater discharge sampling data collected during the previous three years.
4. Stormwater controls.
   a. Control measures shall be implemented for all the areas identified in Part III B 3 to prevent or control pollutants in stormwater discharges from the facility. Regulated stormwater discharges from the facility include stormwater run-on that commingles with stormwater discharges associated with industrial activity at the facility. The SWPPP shall describe the type, location and implementation of all control measures for each area where industrial materials or activities are exposed to stormwater.
   Selection of control measures shall take into consideration:

(1) That preventing stormwater from coming into contact with polluting materials is generally more effective, and less costly, than trying to remove pollutants from stormwater;
(2) Control measures generally shall be used in combination with each other for most effective water quality protection;
(3) Assessing the type and quantity of pollutants, including their potential to impact receiving water quality, is critical to designing effective control measures;
(4) That minimizing impervious areas at the facility can reduce runoff and improve groundwater recharge and stream base flows in local streams (however, care must be taken to avoid groundwater contamination);
(5) Flow attenuation by use of open vegetated swales and natural depressions can reduce instream impacts of erosive flows;
(6) Conservation or restoration of riparian buffers will help protect streams from stormwater runoff and improve water quality; and
(7) Treatment interceptors (e.g., swirl separators and sand filters) may be appropriate in some instances to minimize the discharge of pollutants.

b. Nonnumeric technology-based effluent limits. The permittee shall implement the following types of control measures to prevent and control pollutants in the stormwater discharges from the facility, unless it can be demonstrated and documented that such controls are not relevant to the discharges.
(1) Good housekeeping. The permittee shall keep clean all exposed areas of the facility that are potential sources of pollutants to stormwater discharges. The permittee shall perform the following good housekeeping measures to minimize pollutant discharges:
(a) The SWPPP shall include a schedule for regular pickup and disposal of waste materials, along with routine inspections for leaks and conditions of drums, tanks, and containers;
(b) As feasible, the facility shall sweep or vacuum;
(c) Store materials in containers constructed of appropriate materials;
(d) Manage all waste containers to prevent a discharge of pollutants;
(e) Minimize the potential for waste, garbage, and floatable debris to be discharged by keeping areas exposed to stormwater free of such materials or by intercepting such materials prior to discharge; and
(f) Facilities that handle pre-production plastic or plastic waste shall implement BMPs to eliminate stormwater discharges of plastics.
(2) Eliminating and minimizing exposure. To the extent practicable, manufacturing, processing, and material storage areas (including loading and unloading, storage, disposal, cleaning, maintenance, and fueling operations) shall be located inside, or protected by a storm-resistant covering to prevent exposure to rain, snow, snowmelt, and runoff. Eliminating exposure at all industrial areas may make the facility eligible for the "Conditional Exclusion for No Exposure" provision of 9VAC25-31-120 E, thereby eliminating the need to have a permit. Unless infeasible, facilities shall implement the following:
(a) Use grading, berming, or curbing to prevent runoff of contaminated flows and divert run-on away from potential sources of pollutants;
(b) Locate materials, equipment, and activities so that potential leaks and spills are contained, or able to be contained, or diverted before discharge;
(c) Clean up spills and leaks immediately, upon discovery of the spills or leaks, using dry methods (e.g., absorbents) to prevent the discharge of pollutants;
(d) Store leaking vehicles and equipment indoors or, if stored outdoors, use drip pans and adsorbents;
(e) Utilize appropriate spill or overflow protections equipment;
(f) Perform all vehicle maintenance or equipment cleaning operations indoors, under cover, or in bermed areas that prevent runoff and run-on and also capture any overspray; and

(g) Drain fluids from equipment and vehicles that will be decommissioned, and for any equipment and vehicles that remain unused for extended periods of time, inspect at least monthly for leaks.

(3) Preventive maintenance. The permittee shall have a preventive maintenance program that includes regular inspection, testing, maintenance and repairing of all industrial equipment and systems to avoid situations that could result in leaks, spills and other releases of pollutants in stormwater discharged from the facility. This program is in addition to the specific control measure maintenance required under Part III C (Maintenance).

(4) Spill prevention and response procedures. The SWPPP shall describe the procedures that will be followed for preventing and responding to spills and leaks, including:

(a) Preventive measures, such as barriers between material storage and traffic areas, secondary containment provisions, and procedures for material storage and handling;

(b) Response procedures, including notification of appropriate facility personnel, emergency agencies, and regulatory agencies, and procedures for stopping, containing and cleaning up spills. Measures for cleaning up hazardous material spills or leaks shall be consistent with applicable Resource Conservation and Recovery Act regulations at 40 CFR Part 264 and 40 CFR Part 265. Employees who may cause, detect or respond to a spill or leak shall be trained in these procedures and have necessary spill response equipment available. If possible, one of these individuals shall be a member of the Pollution Prevention Team;

(c) Procedures for plainly labeling containers (e.g., "used oil," "spent solvents," "fertilizers and pesticides," etc.) that could be susceptible to spillage or leakage to encourage proper handling and facilitate rapid response if spills or leaks occur; and

(d) Contact information for individuals and agencies that must be notified in the event of a spill shall be included in the SWPPP, and in other locations where it will be readily available.

(5) Salt storage piles or piles containing salt. Storage piles of salt or piles containing salt used for deicing or other commercial or industrial purposes shall be enclosed or covered to prevent exposure to precipitation. The permittee shall implement appropriate measures (e.g., good housekeeping, diversions, containment) to minimize exposure resulting from adding to or removing materials from the pile. All salt storage piles shall be located on an impervious surface. All runoff from the pile, and runoff that comes in contact with salt, including under drain systems, shall be collected and contained within a bermed basin lined with concrete or other impermeable materials, or within an underground storage tank or tanks, or within an above ground storage tank or tanks, or disposed of through a sanitary sewer (with the permission of the owner of the treatment facility). A combination of any or all of these methods may be used. In no case shall salt contaminated stormwater be allowed to discharge directly to the ground or to surface waters.

(6) Employee training. The permittee shall implement a stormwater employee training program for the facility. The SWPPP shall include a schedule for all types of necessary training, and shall document all training sessions and the employees who received the training. Training shall be provided at least annually for all employees who work in areas where industrial materials or activities are exposed to stormwater, and for employees who are responsible for implementing activities identified in the SWPPP (e.g., inspectors, maintenance personnel, etc.). The training shall cover the components and goals of the SWPPP, and include such topics as spill response, good housekeeping, material management practices, control measure operation and maintenance, etc. The SWPPP shall include a summary of any training performed.

(7) Sediment and erosion control. The SWPPP shall identify areas at the facility that, due to topography, land disturbance (e.g., construction, landscaping, site grading), or other factors, have a potential for soil erosion. The permittee shall identify and implement structural, vegetative, and stabilization control measures to prevent or control on-site and off-site erosion and sedimentation. Flow velocity dissipation devices shall be placed at discharge locations and along the length of any outfall channel if the flows would otherwise create erosive conditions.

(8) Management of runoff. The SWPPP shall describe the stormwater runoff management practices (i.e., permanent structural control measures) for the facility. These types of control measures shall be used to divert, infiltrate, reuse, or otherwise reduce pollutants in stormwater discharges from the site.

Structural control measures may require a separate permit under § 404 of the Clean Water Act and the Virginia Water Protection Permit Program Regulation (9VAC25-210) before installation begins.

(9) Dust suppression and vehicle tracking of industrial materials. The permittee shall implement control measures to minimize the generation of dust and off-site tracking of raw, final, or waste materials. Stormwater collected on-site may be used for the purposes of dust suppression or for spraying stockpiles. Potable water, well water, and uncontaminated reuse water may also be used for this purpose. There shall be no direct discharge to surface waters from dust suppression activities or as a result of spraying stockpiles.

5. Routine facility inspections. Personnel who possess the knowledge and skills to assess conditions and activities that could impact stormwater quality at the facility and who can also evaluate the effectiveness of control measures shall regularly inspect all areas of the facility where industrial materials or activities are exposed to stormwater, areas where spills or leaks have occurred in the past three years, discharge points, and control measures. At least one member of the pollution prevention team shall participate in the routine facility inspections.

The inspection frequency shall be specified in the SWPPP based upon a consideration of the level of industrial activity at the facility, but shall be at a minimum of once per calendar quarter unless more frequent intervals are specified elsewhere in the permit or written approval is received from the department for less frequent intervals. Inspections shall be performed during operating hours. At least once each calendar year, the routine facility inspection shall be conducted during a period when a stormwater discharge is occurring.

The requirement for routine facility inspections is waived for facilities that have maintained an active VEEP E3/E4 status. Certain sectors in Part IV have additional inspection requirements. If the VEEP E3/E4 waiver language is not included for the sector specific inspections, these additional inspection requirements may not be waived.

Any deficiencies in the implementation of the SWPPP that are found shall be corrected as soon as practicable, but not later than within 60 days of the inspection, unless permission for a later date is granted in writing by the director. The results of the inspections shall be documented in the SWPPP and shall include at a minimum:

a. The inspection date;
b. The names of the inspectors;
c. Weather information and a description of any discharges occurring at the time of the inspection;
d. Any previously unidentified discharges of pollutants from the site;
e. Any control measures needing maintenance or repairs;
f. Any failed control measures that need replacement;

g. Any incidents of noncompliance observed; and
h. Any additional control measures needed to comply with the permit requirements.

C. Maintenance.

The SWPPP shall include a description of procedures and a regular schedule for preventive maintenance of all control measures, and shall include a description of the back-up practices that are in place should a runoff event occur while a control measure is off-line. The effectiveness of nonstructural control measures shall also be maintained by appropriate means (e.g., spill response supplies available and personnel trained, etc.).

All control measures identified in the SWPPP shall be maintained in effective operating condition and shall be observed at least annually when a stormwater discharge is occurring to ensure that they are functioning correctly. Where discharge locations are inaccessible, nearby downstream locations shall be observed. The observations shall be documented in the SWPPP.

If routine facility inspections required by Part III B 5 identify control measures that are not operating effectively, repairs or maintenance shall be performed before the next anticipated storm event. If maintenance prior to the next anticipated storm event is not possible, maintenance shall be scheduled and accomplished as soon as practicable. In the interim, back-up measures shall be employed and documented in the SWPPP until repairs or maintenance is complete. Documentation shall be kept with the SWPPP of maintenance and repairs of control measures, including the dates of regular maintenance, dates of discovery of areas in need of repair or replacement, dates for repairs, dates that the control measures returned to full function, and the justification for any extended maintenance or repair schedules.

D. Nonstormwater discharges.

1. Discharges of certain sources of nonstormwater listed in Part I B 1 are allowable discharges under this permit. All other nonstormwater discharges are not authorized and shall be either eliminated or covered under a separate VPDES permit.
2. Annual outfall evaluation for unauthorized discharges.
   a. The SWPPP shall include documentation that all stormwater outfalls associated with industrial activity have been evaluated annually for the presence of unauthorized discharges. The documentation shall include:
      (1) The date of the evaluation;
      (2) A description of the evaluation criteria used;
      (3) A list of the outfalls or on-site drainage points that were directly observed during the evaluation;
      (4) A description of the results of the evaluation for the presence of unauthorized discharges; and
      (5) The actions taken to eliminate unauthorized discharges if any were identified.
   b. The permittee may request in writing to the department that the facility be allowed to conduct annual outfall evaluations at 20% of the outfalls. If approved, the permittee shall evaluate at least 20% of the facility outfalls each year on a rotating basis such that all facility outfalls will be evaluated during the period of coverage under this permit.

E. Signature and SWPPP review.

1. Signature and location. The SWPPP, including revisions to the SWPPP to document any corrective actions taken as required by Part I A 6, shall be signed in accordance with Part II K, dated, and retained on-site at the facility covered by this permit in accordance with Part II B 2. All other changes to the SWPPP, and other permit compliance documentation, shall be signed and dated by the person preparing the change or documentation. For inactive and unstaffed facilities, the plan may be kept at the nearest office of the permittee.
2. Availability. The permittee shall retain a copy of the current SWPPP required by this permit at the facility, and it shall be immediately available to the department, EPA, or the operator of an MS4 receiving discharges from the site at the time of an on-site inspection or upon request.
3. Required modifications. The permittee shall modify the SWPPP whenever necessary to address all corrective actions required by Part I A 6 a (Data exceeding benchmark concentration values) or Part I A 6 b (Corrective actions). Changes to the SWPPP shall be made in accordance with the corrective action deadlines in Part I A 6 a and Part I A 6 b, and shall be signed and dated in accordance with Part III E 1.

   The director may notify the permittee at any time that the SWPPP, control measures, or other components of the facility's stormwater program do not meet one or more of the requirements of this permit. The notification shall identify specific provisions of the permit that are not being met, and may include required modifications to the stormwater program, additional monitoring requirements, and special reporting requirements. The permittee shall make any required changes to the SWPPP within 60 days of receipt of such notification, unless permission for a later date is granted in writing by the director, and shall submit a written certification to the director that the requested changes have been made.

F. Maintaining an updated SWPPP.

1. The permittee shall review and amend the SWPPP as appropriate whenever:
   a. There is construction or a change in design, operation, or maintenance at the facility that has a significant effect on the discharge, or the potential for the discharge, of pollutants from the facility;
   b. Routine inspections or compliance evaluations determine that there are deficiencies in the control measures, including BMPs;
   c. Inspections by local, state, or federal officials determine that modifications to the SWPPP are necessary;
   d. There is a significant spill, leak, or other release at the facility;
   e. There is an unauthorized discharge from the facility; or
   f. The department notifies the permittee that a TMDL has been developed and applies to the permitted facility, consistent with Part I B.
2. SWPPP modifications shall be made within 60 calendar days after discovery, observation or event requiring a SWPPP modification. Implementation of new or modified control measures (distinct from regular preventive maintenance of existing control measures described in Part III C) shall be initiated before the next storm event if possible, but no later than 60 days after discovery, or as otherwise provided or approved by the director. The amount of time taken to modify a control measure or implement additional control measures shall be documented in the SWPPP.
3. If the SWPPP modification is based on a significant spill, leak, release, or unauthorized discharge, include a description and date of the incident, the circumstances leading to the incident, actions taken in response to the incident, and measures to prevent the recurrence of such releases. Unauthorized discharges are subject to the reporting requirements of Part II G of this permit.

# Part IV. Sector Specific Permit Requirements

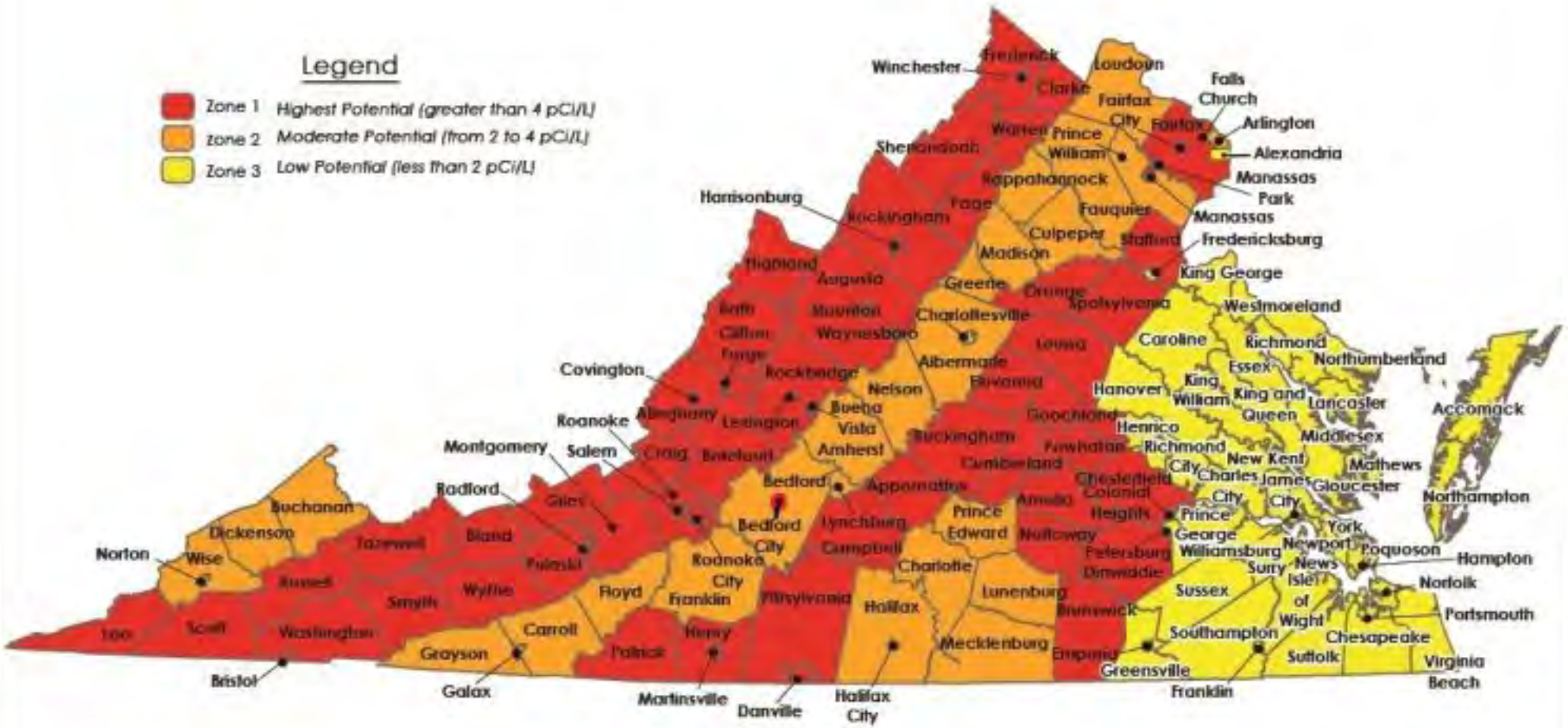
The permittee must only comply with the additional requirements of Part IV (9VAC25-151-90 et seq.) that apply to the sectors of industrial activity located at the facility. These sector specific requirements are in addition to the requirements specified in Parts I, II and III of this permit. All numeric effluent limitations and benchmark monitoring concentration values reflect two significant digits, unless otherwise noted.

9VAC25-151-380. Sector AE – Facilities with no analytical benchmark monitoring requirements.

A. Discharges covered under this section. The requirements listed under this section apply to stormwater discharges associated with industrial activity from facilities with SIC Codes 2611, 2621, 2652-2657, 2833-2836, 2851, 2861-2869, 2891-2899, 3952, 3211, 3221, 3229, 3231, 3241, 3281, 3291-3299, 3331-3339, 3398, 3399, 3341, 1311, 1321, 1381-1389, 2911, 4512-4581, Treatment Works (TW), 2011-2015, 2032-2038, 2051-2053, 2061-2068, 2082-2087, 2091-2099, 2111-2141, 2211-2299, 2311-2399, 3131-3199, 2434, 2511-2599, 2711-2796, 3081-3089, 3931, 3942-3949, 3951-3955 (except 3952), 3961, 3965, 3991-3999, 3111, 3711-3799 (except 3731 and 3732 as identified in Sector Q), 3571-3579, 3612-3699, and 3812-3873.

B. No additional sector-specific requirements apply to this sector.

# Virginia - Radon Zones



# APPENDIX H
# USER QUESTIONNAIRE

**Environmental Site Assessment – Site Questionnaire**
***Manassas Regional Airport, Manassas, VA***

Please answer all questions to the best of your knowledge to support the findings of the Phase I Environmental Site Assessment (ESA) for the Manassas Regional Airport (the Property). Please call with any questions or comments.

AKRF Contact: Bryan Murty
Cell phone: (631) 655-9373

Person completing questionnaire: Richard Allabaugh, Airport Operations Supervisor

Relationship to the Property: Airport Staff

Length of time associated with the Property: 13 Years

1. Please provide:

   - The reason why the Phase I ESA is being performed.
     The ESA is being completed in order to meet the requirements of the FAA in order to obtain the Airport's Operating Certificate prior to accepting airline service.
   - The type of property and type of property transaction (for example, sale, purchase, exchange, refinancing, etc.).
     Avports has executed a franchise agreement with the Manassas Regional Airport (City of Manassas) for 40 years to develop a terminal facility to bring in airline service. This is annual lease of real property.
   - The complete and correct address for the Property (a map or other documentation showing the Property location and boundaries is helpful).
     Parcels whose physical addresses are
     10500 Wakeman Drive, 10401 and 10600 Harry J Parrish Blvd, Manassas, VA 20110
     to include parking lot locations.

2. Please provide information regarding the history of the Property, including past uses, deeds, sale/purchase prices, etc.

   The terminal located at 10600 Harry J Parrish Blvd is currently being used for airport administration, aviation businesses, and a US Custom's Office. It was originally built in 1996 as an airline terminal. 10401 Harry J Parrish Blvd is used as the airport's maintenance storage facility. 10500 Wakeman Drive has never been developed and currently resides as a wooded property.

3. If the property is undergoing a transaction, does the purchase price being paid for the Property reasonably reflect the fair market value of the Property?

   ☑ Yes ☐ No ☐ N/A

   If you conclude that there is a difference, are you aware of whether the lower purchase price is because of an environmental issue or contamination that is known or believed to be present at the Property?

   N/A

4. Are you aware of any former studies that have been conducted at the Property, including: geotechnical surveys, environmental site assessment reports, spill investigations/remediation reports, asbestos or lead abatement, former or current environmental permits, licenses, audits, investigations, community

right-to-know plans, safety plans, preparedness and prevention plans, spill prevention plans, countermeasure or control plans, or other documentation or correspondence concerning the Property. If yes, please provide copies.

☑ Yes ☐ No

5. Are you aware of any environmental liens or activity use limitations (such as engineering controls, land use restrictions, or institutional controls) that are in place at the Property and/or have been filed or recorded against the Property under federal, tribal, state, or local law?

☐ Yes ☑ No

6. Based on your knowledge and experience related to the Property, are there any other obvious indicators that point to the presence or likely presence of releases or contamination at the Property? Please provide any commonly known or reasonably ascertainable information about the Property that would help the environmental professional identify conditions indicative of contamination, releases, or threatened releases. For example:

   - Are you aware of any spills or other chemical releases that have taken place at the Property?

   ☑ Yes ☐ No

   - Are you aware of any cleanups that have taken place at the Property?

   ☑ Yes ☐ No

   On airport property in general, not aware of any on the specific properties in question.

   - Are you aware of any specific chemicals or petroleum products that are currently present or once were present at the Property?

   ☐ Yes ☑ No

   - Are you aware of any former or current chemical or fuel oil storage, including storage tanks, chemical/pesticide/herbicide use, etc., at the Property?

   ☑ Yes ☐ No

   There is fuel storage at the airport's consolidated fuel farm. There is various oil disposal storage at tenant maintenance facilities.

   - Are you aware of the presence of any historic fill, construction and demolition debris, ash, dredge spoils, etc.?

   ☐ Yes ☑ No

7. Please provide any information you have on former and/or current buildings, utilities, and operations, including past and present:

- Water: Water services provided by the City of Manassas Utility Department
- Electric: Electric services provided by the City of Manassas Utility Department
- Gas/fuel oil: Gas service provided by Washington Gas/Columbia Gas.
- Heating and cooling systems: Terminal is heated and cooled by a boiler system and a Trane HVAC Units. Replaced within the past 10 years.
- Sewer or septic/cesspool: Sewer services provided by the City of Manassas Water and Sewer Department.
- Trash collection: Currently done by through a contract with American Disposal.
- Hazardous materials storage or use (paint, solvent, pesticides, herbicides): Maintenance Staff stores pesticide and herbicides in the maintenance hangar at 10400 Harry J Parrish Blvd.
- Construction/demolition date(s): 1996 is when the terminal was constructed. Various other projects have happened over the past 60 years since the airport was commissioned.
- Surveyed drawings, blueprints, subsurface studies, renovation/addition details, etc.:

  Previously on file and upon request.

8. Please advise whether you are aware of the following:

   - Any pending, threatened, or past litigation relevant to hazardous substances or petroleum products in, on, or from the Property

   ☐ Yes ☑ No

   - Any pending, threatened or past administrative proceedings relevant to hazardous substances or petroleum products in, on, or from the Property

   ☐ Yes ☑ No

   - Any notices from any government entity regarding any possible violation of environmental laws or possible liability relating to hazardous materials at the Property.

   ☐ Yes ☑ No

9. Do you have any specialized knowledge or experience related to the Property or nearby properties? For example, are you involved in the same line of business as the current or former occupants of the Property or an adjoining property so that you would have specialized knowledge of the chemicals and processes used by this type of business?

☑ Yes ☐ No

10. Please provide:

- The identification of all parties who will rely on the Phase I ESA report.

City of Manassas, Manassas Regional Airport, Federal Aviation Administration

- The identification of the Property contact and how the contact can be reached for the inspection.

Juan E. Rivera, jrivera@manassasva.gov, 703-361-1882

- Any special terms and conditions that must be agreed upon by the environmental professional.

No knowledge.

# *COMMONWEALTH of VIRGINIA*

*DEPARTMENT OF ENVIRONMENTAL QUALITY*

General Permit Registration No.: VAR050985
Effective Date: July 1, 2024
Expiration Date: June 30, 2029

## VPDES GENERAL PERMIT FOR STORMWATER DISCHARGES ASSOCIATED WITH INDUSTRIAL ACTIVITY

## AUTHORIZATION TO DISCHARGE UNDER THE VIRGINIA POLLUTANT DISCHARGE ELIMINATION SYSTEM AND THE VIRGINIA STATE WATER CONTROL LAW

In compliance with the provisions of the Clean Water Act, as amended, and pursuant to the State Water Control Law and regulations adopted pursuant thereto, owners of facilities with stormwater discharges associated with industrial activity are authorized to discharge to surface waters within the boundaries of the Commonwealth of Virginia, except those waters specifically named in department regulation that prohibit such discharges.

The authorized discharge shall be in accordance with this cover page, the registration statement, Part I-Effluent Limitations, Monitoring Requirements and Special Conditions, Part II-Conditions Applicable to All VPDES Permits, Part III-Stormwater Pollution Prevention Plan, Part IV-Sector-Specific Permit Requirements, and Part V-Chesapeake Bay Total Maximum Daily Load Compliance as set forth in this general permit.

# Part I. Effluent Limitations, Monitoring Requirements and Special Conditions

A. Effluent limitations and monitoring requirements.

There are four individual and separate categories of monitoring requirements that a facility may be subject to under this permit: (i) quarterly visual monitoring; (ii) benchmark monitoring of discharges associated with specific industrial activities; (iii) compliance monitoring for discharges subject to numerical effluent limitations; and (iv) monitoring of discharges to impaired waters, both those with an approved TMDL and those without an approved TMDL. The monitoring requirements and numeric effluent limitations applicable to a facility depend on the types of industrial activities generating stormwater runoff from the facility, and for TMDL monitoring, the location of the facility's discharge. Part IV of the permit identifies monitoring requirements applicable to specific sectors of industrial activity. The permittee shall review Part I A 1 and Part IV of the permit to determine which monitoring requirements and numeric limitations apply to the permittee’s facility. Unless otherwise specified, limitations and monitoring requirements under Part I A 1 and Part IV are additive.

Sector-specific monitoring requirements and limitations are applied discharge by discharge at facilities with colocated activities. Where stormwater from the colocated activities are commingled, the monitoring requirements and limitations are additive. Where more than one numeric limitation for a specific parameter applies to a discharge, compliance with the more restrictive limitation is required. Where benchmark, numerical effluent limitations, or TMDL monitoring requirements for a monitoring period overlap, the permittee may use a single sample to satisfy monitoring requirements.

1. Types of monitoring requirements and limitations.
   a. Quarterly visual monitoring. The requirements and procedures for quarterly visual monitoring are applicable to all facilities covered under this permit, regardless of the facility's sector of industrial activity.
      (1) The permittee shall perform and document a quarterly visual examination of a stormwater discharge associated with industrial activity from each outfall, except discharges exempted in Part I A 3 or A 4. The visual examinations shall be made at least once in each of the following three-month periods: January through March, April through June, July through September, and October through December. The visual examination shall be made during normal working hours, where practicable, and when considerations for safety and feasibility allow. If no storm event resulted in runoff from the facility during a monitoring quarter, the permittee is excused from visual monitoring for that quarter provided that documentation is included with the monitoring records indicating that no runoff occurred.
      (2) Samples shall be collected in accordance with Part I A 2. Sample examination shall document observations of color, odor, clarity, floating solids, settled solids, suspended solids, foam, oil sheen, and other obvious indicators of stormwater pollution. The visual examination of the sample shall be conducted in a well-lit area. No analytical tests are required to be performed on the samples.
      (3) The visual examination documentation shall be maintained on-site with the SWPPP. The documentation shall include the outfall location, the examination date and time, examination staff, the nature of the discharge (i.e., runoff or snow melt), visual quality of the stormwater discharge (including observations of color, odor, clarity, floating solids, settled solids, suspended solids, foam, oil sheen, and other obvious indicators of stormwater pollution), and probable sources of any observed stormwater contamination.

b. Benchmark monitoring of discharges associated with specific industrial activities.

Table 70-1 identifies the specific industrial sectors subject to the benchmark monitoring requirements of this permit and the industry-specific pollutants of concern. The permittee shall refer to the tables found in the individual sectors in Part IV for benchmark monitoring concentration values. Colocated industrial activities at the facility that are described in more than one sector in Part IV shall comply with all applicable benchmark monitoring requirements from each sector.

The results of benchmark monitoring are primarily for the permittee to use to determine the overall effectiveness of the SWPPP in controlling the discharge of pollutants to receiving waters. Benchmark concentration values, included in Part IV of this permit, are not effluent limitations. Exceedance of a benchmark concentration does not constitute a violation of this permit and does not show that violation of a water quality standard has occurred; however, it does signal that modifications to the SWPPP are necessary, unless justification is provided in a routine facility inspection. In addition, exceedance of benchmark concentrations may identify facilities that would be more appropriately covered under an individual, or alternative general permit where more specific pollution prevention controls could be required.

TABLE 70-1
INDUSTRIAL SECTORS SUBJECT TO BENCHMARK MONITORING

| Industry Sector[1] | SIC Code or Activity Code | Benchmark Monitoring Parameters |
|---|---|---|
| AE | 2611, 2621, 2652-2657, 2671-2679, 2833-2836, 2851, 2861-2869, 2891-2899, 3952, 3211, 3221, 3229, 3231, 3241, 3281, 3291-3299, 3331-3339, 3398, 3399, 3341, 1311, 1321, 1381-1389, 2911, 4512-4581, (TW) Treatment Works, 2011-2015, 2032-2038, 2051-2053, 2061-2068, 2082-2087, 2091-2099, 2111-2141, 2211-2299, 2311-2399, 3131-3199, 2434, 2511-2599, 2711-2796, 3081-3089, 3931, 3942-3949, 3951-3955 (except 3952), 3961, 3965, 3991-3999, 3111, 3711-3799 (except 3731, 3732 see Sector Q), 3571-3579, 3612-3699, 3812-3873 | Facilities in Sector AE are not subject to benchmark monitoring requirements. |

[1] Table does not include parameters for compliance monitoring under effluent limitations guidelines.

(1) Benchmark monitoring shall be performed for all benchmark parameters specified for the industrial sector applicable to a facility's discharge. Monitoring shall be performed at least once during each of the first four, and potentially all, monitoring periods after coverage under the permit begins. Monitoring begins with the first full monitoring period after the owner is granted coverage under the permit. Monitoring periods are specified in Part I A 2.

(2) Benchmark monitoring waivers for facilities testing below benchmark concentration values. Waivers from benchmark monitoring are available to facilities whose discharges are below benchmark concentration values on an outfall by outfall basis. Sector-specific benchmark monitoring is not required to be conducted in subsequent monitoring periods during the term of this permit provided:

(a) Samples were collected in four consecutive monitoring periods, and the average of the four samples for all parameters at the outfall is below the applicable benchmark

concentration value in Part IV. Facilities that were covered under the 2019 industrial stormwater general permit may use sampling data from the last two monitoring periods of that permit and the first two monitoring periods of this permit to satisfy the four consecutive monitoring periods requirement;

(b) The facility is not subject to a numeric effluent limitation established in Part I A 1 c (1) (stormwater effluent limitations), Part I A 1 c (2) (coal pile runoff), or Part IV (Sector Specific Permit Requirements) for any of the parameters at that outfall; and

(c) A waiver request is submitted to and approved by the department. The waiver request shall be sent to the appropriate DEQ regional office, along with the supporting monitoring data for four consecutive monitoring periods, and a certification that, based on current potential pollutant sources and control measures used, discharges from the facility are reasonably expected to be substantially similar or cleaner compared to when the benchmark monitoring for the four consecutive monitoring periods was done.

Waiver requests will be evaluated by the department based on (i) benchmark monitoring results below the benchmark concentration values; (ii) a favorable compliance history (including inspection results); and (iii) no outstanding enforcement actions.

The monitoring waiver may be revoked by the department for cause. The permittee will be notified in writing that the monitoring waiver is revoked, and that the benchmark monitoring requirements are again in force and will remain in effect until the permit's expiration date.

(3) Samples shall be collected and analyzed in accordance with Part I A 2. Monitoring results shall be reported in accordance with Part I A 5 and Part II C and retained in accordance with Part II B.

c. Compliance monitoring for discharges subject to numerical effluent limitations or discharges to impaired waters.

(1) Facilities subject to stormwater effluent limitation guidelines.

(a) Facilities subject to stormwater effluent limitation guidelines (see Table 70-2) are required to monitor such discharges to evaluate compliance with numerical effluent limitations. Industry-specific numerical limitations and compliance monitoring requirements are described in Part IV of the permit. Permittees with colocated industrial activities at the facility that are described in more than one sector in Part IV shall comply on a discharge-by-discharge basis with all applicable effluent limitations from each sector.

(b) Permittees shall monitor the discharges for the presence of the pollutant subject to the effluent limitation at least once during each of the monitoring periods after coverage under the permit begins. Monitoring begins with the first full monitoring period after the owner is granted coverage under the permit. Monitoring periods are specified in Part I A 2. The substantially identical outfall monitoring provisions (Part I A 2 f) are not available for numeric effluent limits monitoring.

(c) Samples shall be collected and analyzed in accordance with Part I A 2. Monitoring results shall be reported in accordance with Part I A 5 and Part II C, and retained in accordance with Part II B.

| TABLE 70-2<br>STORMWATER-SPECIFIC EFFLUENT LIMITATION GUIDELINES |
|---|
| Effluent Limitation Guidelines Are Not Applicable to Sector AE |

(2) Facilities subject to coal pile runoff monitoring.
   (a) Facilities with discharges of stormwater from coal storage piles shall comply with the limitations and monitoring requirements of Table 70-3 for all discharges containing the coal pile runoff, regardless of the facility's sector of industrial activity.
   (b) Permittees shall monitor the stormwater discharges at least once during each of the monitoring periods after coverage under the permit begins. Monitoring begins with the first full monitoring period after the owner is granted coverage under the permit. Monitoring periods are specified in Part I A 2. The substantially identical outfall monitoring provisions (Part I A 2 f) are not available for coal pile numeric effluent limits monitoring.
   (c) The coal pile runoff shall not be diluted with other stormwater or other flows to meet this limitation.
   (d) If a facility is designed, constructed and operated to treat the volume of coal pile runoff that is associated with a 10-year, 24-hour rainfall event, any untreated overflow of coal pile runoff from the treatment unit is not subject to the 50 mg/L limitation for total suspended solids.
   (e) Samples shall be collected and analyzed in accordance with Part I A 2. Monitoring results shall be reported in accordance with Part I A 5 and Part II C, and retained in accordance with Part II B.

TABLE 70-3
NUMERIC LIMITATIONS FOR COAL PILE RUNOFF

| Parameter | Limit | Monitoring Frequency | Sample Type |
|---|---|---|---|
| Total Suspended Solids (TSS) | 50 mg/l, max. | 1/6 months | Grab |
| pH | 6.0 min. - 9.0 max. | 1/6 months | Grab |

(3) Facilities discharging to an impaired water with an approved TMDL wasteload allocation. Owners of facilities that are a source of the specified pollutant of concern to waters for which a TMDL wasteload allocation has been approved before by the U.S. Environmental Protection Agency (EPA) before the term of this permit will be notified as such by the department when they are approved for coverage under the general permit.
   (a) Upon written notification from the department, permittees shall monitor the discharges for the pollutant subject to TMDL wasteload allocation once every six months after coverage under the permit begins, unless another sampling frequency is determined by the department for polychlorinated biphenyls (PCBs). Monitoring begins with the first full monitoring period after the owner is granted coverage under the permit. Monitoring periods are specified in Part I A 2.
   (b) Samples shall be collected and analyzed in accordance with Part I A 2. Monitoring results shall be reported in accordance with Part I A 5 and Part II C, and retained in accordance with Part II B.
   (c) If the pollutant subject to the TMDL wasteload allocation is below the quantitation level in all of the samples from the first four monitoring periods, the permittee may request to the department in writing that further sampling be discontinued, unless the TMDL has specific instructions to the contrary (in which case those instructions shall be followed). The laboratory certificate of analysis shall be submitted with the request. If approved, documentation of this shall be kept with the SWPPP.

      If the pollutant subject to the TMDL wasteload allocation is above the quantitation level in any of the samples from the first four monitoring periods, the permittee shall continue the scheduled TMDL monitoring throughout the term of the permit. Applicable sampling data collected during the 2019 industrial stormwater general

permit term may be used to satisfy all or part of the four monitoring periods requirement.

(d) Upon written notification from the department, facilities exceeding the TMDL wasteload allocation shall prepare and submit a pollutant minimization plan (PMP) designed to investigate the location and potential reduction of sources in the facility's stormwater discharges. The PMP shall be developed and submitted to the department for approval within 180 days of the receipt of notification from the department. The PMP shall include the following items, as appropriate:

(i) Facility contact for the contents of the PMP and any activities associated with the PMP;

(ii) A proposed implementation schedule for minimization activities and prospective milestones;

(iii) Proposed actions for known or probable sources;

(iv) Proposed action to find and control unknown sources;

(v) A summary of any previous minimization activities; and

(vi) Information on continuing assessment of progress, which may include establishment of criteria to evaluate whether the location and potential reduction of sources have been addressed.

(4) Facilities discharging to an impaired water without an approved TMDL wasteload allocation.

Owners of facilities that discharge to waters listed as impaired in the 2022 Final 305(b)/303(d) Water Quality Assessment Integrated Report, and for which a TMDL wasteload allocation has not been approved before the term of this permit, will be notified as such by the department when they are approved for coverage under the general permit.

(a) Upon written notification from the department, permittees shall monitor the discharges for all pollutants for which the waterbody is impaired, and for which a standard analytical method exists, at least once every six months after coverage under the permit begins, unless otherwise determined by the department for polychlorinated biphenyls (PCBs) Monitoring begins with the first full monitoring period after the owner is granted coverage under the permit. Monitoring periods are specified in Part I A 2.

(b) If the pollutant for which the waterbody is impaired is suspended solids, turbidity, or sediment, or sedimentation, monitor for total suspended solids (TSS). If the pollutant for which the waterbody is impaired is expressed in the form of an indicator or surrogate pollutant, monitor for that indicator or surrogate pollutant. No monitoring is required when a waterbody's biological communities are impaired but no pollutant, including indicator or surrogate pollutants, is specified as causing the impairment, or when a waterbody's impairment is related to hydrologic modifications, impaired hydrology, or temperature.

Samples shall be collected and analyzed in accordance with Part I A 2. Monitoring results shall be reported in accordance with Part I A 5 and Part II C, and retained in accordance with Part II B.

(c) If the pollutant for which the water is impaired is below the quantitation level in the discharges from the facility, or it is above the quantitation level but its presence is caused solely by natural background sources, the permittee may request to the department in writing that further impaired water monitoring be discontinued. The laboratory certificate of analysis shall be submitted with the request. If approved, documentation of this shall be kept with the SWPPP.

To support a determination that the pollutant's presence is caused solely by natural background sources, the following documentation shall be submitted with the request and kept with the SWPPP: (i) an explanation of why it is believed that the presence of the impairment pollutant in the facility's discharge is not related to the activities at the facility; and (ii) data or studies that tie the presence of the impairment pollutant in the facility's discharge to natural background sources in the watershed. Natural background pollutants include those substances that are naturally occurring in soils or groundwater. Natural background pollutants do not include legacy pollutants from earlier activity at the facility's site, or pollutants in run-on from neighboring sources

2. Monitoring instructions.
   a. Collection and analysis of samples. Sampling requirements shall be assessed on an outfall by outfall basis. Samples shall be collected and analyzed in accordance with the requirements of Part II A.
   b. When and how to sample. A minimum of one grab sample shall be taken from the discharge associated with industrial activity resulting from a storm event that results in a discharge from the site, providing the interval from the preceding storm event discharges is at least 72 hours. The 72-hour storm interval is waived if the permittee is able to document that less than a 72-hour interval is representative for local storm events during the sampling period. In the case of snowmelt, the monitoring shall be performed at a time when a measurable discharge occurs at the site. For discharges from a stormwater management structure, the monitoring shall be performed at a time when a measurable discharge occurs from the structure.

      The grab sample shall be taken during the first 30 minutes of the discharge. If it is not practicable to take the sample during the first 30 minutes, the sample may be taken during the first three hours of the discharge, provided that the permittee explains why a grab sample during the first 30 minutes was impracticable. This information shall be submitted in the department's electronic discharge monitoring report (e-DMR) system, and maintained with the SWPPP. If the sampled discharge commingles with process or nonprocess water, the permittee shall attempt to sample the stormwater discharge before it mixes with the nonstormwater.
   c. Storm event data. For each monitoring event (except snowmelt monitoring), along with the monitoring results, the permittee shall identify the date of the storm event sampled; rainfall total (in inches) of the storm event that generated the sampled runoff; and the interval between the storm event sampled and the end of the previous storm event discharge. For snowmelt monitoring, the permittee shall identify the date of the sampling event.
   d. Monitoring periods.
      (1) Quarterly visual monitoring. The quarterly visual examinations shall be made at least once in each of the following three-month periods each year of permit coverage: January through March, April through June, July through September, and October through December.
      (2) Benchmark monitoring, effluent limitation monitoring, and impaired waters monitoring (for waters both with and without an approved TMDL). Monitoring shall be conducted at least once in each of the following semiannual periods each year of permit coverage: January through June, and July through December.
   e. Documentation explaining a facility's inability to obtain a sample (including dates and times the outfalls were viewed or sampling was attempted), of no rain event, or of deviation from the 72-hour storm interval shall be submitted with the e-DMR and maintained with the SWPPP. Acceptable documentation includes National Climatic Data Center (NCDC) weather station data, local weather station data, facility rainfall logs, and other appropriate supporting data.

f. Representative outfalls - substantially identical discharges. If the facility has two or more outfalls that discharge substantially identical effluents, based on similarities of the industrial activities, significant materials, size of drainage areas, and stormwater management practices occurring within the drainage areas of the outfalls, frequency of discharges, and stormwater management practices occurring within the drainage areas of the outfalls, the permittee may conduct monitoring on the effluent of just one of the outfalls and report that the observations also apply to the substantially identical outfall. The substantially identical outfall monitoring provisions apply to quarterly visual monitoring, benchmark monitoring, and impaired waters monitoring (both those with and without an approved TMDL). The substantially identical outfall monitoring provisions are not available for numeric effluent limits monitoring.

The permittee shall include the following information in the SWPPP:

(1) The locations of the outfalls;

(2) An evaluation, including available monitoring data, indicating the outfalls are expected to discharge substantially identical effluents, including evaluation of monitoring data where available; and

(3) An estimate of the size of each outfall's drainage area in acres.

3. Adverse climatic conditions waiver. When adverse weather conditions prevent the collection of samples, a substitute sample may be taken during a qualifying storm event in the next monitoring period. Adverse weather conditions are those that are dangerous or create inaccessibility for staff and may include local flooding, high winds, electrical storms, or situations that otherwise make sampling impracticable (e.g., drought or extended frozen conditions. Unless specifically stated otherwise, this waiver may be applied to any monitoring required under this permit. Narrative documentation of conditions necessitating the use of the waiver shall be kept with the SWPPP.

4. Inactive and unstaffed sites (including temporarily inactive sites).

a. A waiver of the quarterly visual monitoring, routine facility inspections, and monitoring requirements (including benchmark, effluent limitation, and impaired waters monitoring) may be granted by the department at a facility that is both inactive and unstaffed, as long as the facility remains inactive and unstaffed and there are no industrial materials or activities exposed to stormwater. The owner the facility is only required to conduct an annual routine site inspection in accordance with the requirements in Part III B 5.

b. An inactive and unstaffed sites waiver request shall be submitted to the department for approval and shall include the name of the facility; the facility's VPDES general permit registration number; a contact person, telephone number, and email address; the reason for the request; and the date the facility became or will become inactive and unstaffed. The waiver request shall be signed and certified in accordance with Part II K. If this waiver is granted, a copy of the request and the department written approval of the waiver shall be maintained with the SWPPP.

c. If circumstances change and industrial materials or activities become exposed to stormwater, or the facility becomes either active or staffed, the permittee shall notify the department within 30 days, and all quarterly visual monitoring, routine facility inspections, and monitoring requirements shall be resumed immediately.

d. The department retains the right to revoke this waiver when it is determined that the discharge is causing, has a reasonable potential to cause, or contributes to a water quality standards violation.

e. Inactive and unstaffed facilities covered under Sector G (Metal Mining) and Sector H (Coal Mines and Coal Mining-Related Facilities) are not required to meet the "no industrial materials or activities exposed to stormwater" standard to be eligible for this waiver, consistent with the conditional exemption requirements established in Part IV Sector G and Part IV Sector H.

5. Reporting monitoring results.
   a. Reporting to the department. The permittee shall follow the reporting requirements and deadlines in Table 70-4 for the types of monitoring that apply to the facility:

| TABLE 70-4<br>MONITORING REPORTING REQUIREMENTS | |
|---|---|
| Semiannual Monitoring | Submit the results by January 10 and by July 10. |
| Quarterly Visual Monitoring | Retain results with SWPPP - do not submit unless requested to do so by the department. |

   Permittees shall submit results for each outfall associated with industrial activity according to the requirements of Part II C.
   b. Significant digits. The permittee shall report at least the same number of significant digits as a numeric effluent limitation or TMDL wasteload allocation for a given parameter; otherwise, at least two significant digits shall be reported for a given parameter. Regardless of the rounding convention used by the permittee (i.e., five always rounding up or to the nearest even number), the permittee shall use the convention consistently and shall ensure that consulting laboratories employed by the permittee use the same convention.

6. Corrective actions.
   a. The permittee shall take corrective action whenever:
      (1) Routine facility inspections, inspections by local, state or federal officials, or any other process, observation or event result in a determination that modifications to the stormwater control measures are necessary to meet the permit requirements;
      (2) There is any exceedance of an effluent limitation (including coal pile runoff), TMDL wasteload allocation, or a reduction required by a local ordinance established by a municipality to meet Chesapeake Bay TMDL requirements; or
      (3) The department determines, or the permittee becomes aware, that the stormwater control measures are not stringent enough for the discharge to meet applicable water quality standards, or
      (4) Benchmark monitoring results exceed the benchmark concentration value for a parameter.

      The permittee shall review the SWPPP and modify it as necessary to address any deficiencies. Revisions to the SWPPP shall be completed within 60 days following the discovery of the deficiency. When control measures need to be modified or added (distinct from regular preventive maintenance of existing control measures described in Part III C), implementation shall be completed before the next anticipated storm event if possible, but no later than 60 days after the deficiency is discovered, or as otherwise provided or approved by the department. In cases where construction is necessary to implement control measures, the permittee shall include a schedule in the SWPPP that provides for the completion of the control measures as expeditiously as practicable, but no later than three years after the deficiency is discovered. Where a construction compliance schedule is included in the SWPPP, the SWPPP shall include appropriate nonstructural and temporary controls to be implemented in the affected portion of the facility before completion of the permanent control measure. Any corrective actions taken shall be documented and retained with the SWPPP. Any control measure modifications shall be dated and document the amount of time taken to modify the applicable control measures or implement additional control measures.
   b. Natural background pollutant levels. If the concentration of a pollutant exceeds a benchmark concentration value and the permittee determines that exceedance of the benchmark is attributable solely to the presence of that pollutant in the natural background, corrective action is not required provided that:

(1) The concentration of the benchmark monitoring result is less than or equal to the concentration of that pollutant in the natural background;

(2) The permittee documents and maintains with the SWPPP the supporting rationale for concluding that benchmark exceedances are in fact attributable solely to natural background pollutant levels. The supporting rationale shall include any data previously collected by the facility or others (including literature studies) that describe the levels of natural background pollutants in the facility's stormwater discharges; and

(3) The permittee notifies the department on the benchmark monitoring DMR that the benchmark exceedances are attributable solely to natural background pollutant levels. Natural background pollutants include those substances that are naturally occurring in soils or groundwater. Natural background pollutants do not include legacy pollutants from earlier activity on the facility's site, or pollutants in run-on from neighboring sources that are not naturally occurring.

c. Follow-up reporting. If at any time monitoring results show that discharges from the facility exceed an effluent limitation or a TMDL wasteload allocation, or the department determines that discharges from the facility are causing or contributing to an exceedance of a water quality standard, immediate steps shall be taken to eliminate the exceedances in accordance with the above Part I A 6. Within 30 calendar days of implementing the relevant corrective action, an exceedance report shall be submitted to the department and shall be signed in accordance with Part II K. The following information shall be included in the report:
(1) General permit registration number;
(2) Facility name and address;
(3) Receiving water for each outfall exceeding an effluent limitation of TMDL wasteload allocation;
(4) Monitoring data from the event being reported;
(5) A narrative description of the situation;
(6) A description of actions taken since the event was discovered and steps taken to minimize to the extent feasible pollutants in the discharge; and
(7) A local facility contact name, email address, and phone number.

B. Special conditions.

1. Authorized nonstormwater discharges. Except as provided in this section or in Part IV, all discharges covered by this permit shall be composed entirely of stormwater. The following nonstormwater discharges are authorized by this permit:
   a. Discharges from emergency firefighting activities or firefighting training activities managed in a manner to avoid an instream impact in accordance with § 9.1-207.1 of the Code of Virginia;
   b. Fire hydrant flushings, managed in a manner to avoid an instream impact;
   c. Potable water, including water line flushings, managed in a manner to avoid an instream impact;
   d. Uncontaminated condensate from air conditioners, coolers, and other compressors and from the outside storage of refrigerated gases or liquids;
   e. Irrigation drainage;
   f. Landscape watering provided all pesticides, herbicides, and fertilizer have been applied in accordance with the approved labeling;
   g. Routine external building washdown provided no soaps, solvents or detergents are used, external building surfaces do not contain hazardous substances, and the wash water is filtered, settled, or similarly treated before discharge;
   h. Pavement wash waters provided no soaps, solvents, detergents or hazardous cleaning products are used, and no spills or leaked material of toxic or hazardous materials have

occurred (unless all spilled or leaked material is being removed before washing), and the wash water is filtered, settled, or similarly treated before discharge;

i. Uncontaminated groundwater or spring water;
j. Foundation or footing drains where flows are not contaminated with process materials; and
k. Incidental windblown mist from cooling towers that collects on rooftops or adjacent portions of the facility, but not intentional discharges from the cooling tower (e.g., "piped" cooling tower blowdown or drains).

All other nonstormwater discharges are not authorized and shall either be eliminated or covered under a separate VPDES permit.

2. Releases of hazardous substances or oil in excess of reportable quantities. The discharge of hazardous substances or oil in the stormwater discharges from the facility shall be prevented or minimized in accordance with the SWPPP for the facility. This permit does not authorize the discharge of hazardous substances or oil resulting from an on-site spill. This permit does not relieve the permittee of the reporting requirements of 40 CFR Part 110, 40 CFR Part 117, and 40 CFR Part 302 or § 62.1-44.34:19 of the Code of Virginia.

   Where a release containing a hazardous substance or oil in an amount equal to or in excess of a reportable quantity established under either 40 CFR Part 110, 40 CFR Part 117, or 40 CFR Part 302 occurs during a 24-hour period:
   a. The permittee is required to notify the department in accordance with the requirements of Part II G as soon as he has knowledge of the discharge;
   b. Where a release enters an MS4, the permittee shall also notify the owner of the MS4; and
   c. The SWPPP required under Part III shall be reviewed to identify measures to prevent the reoccurrence of the releases and to respond to the releases, and the SWPPP shall be modified where appropriate.

3. Colocated industrial activity. If the facility has industrial activities occurring on-site which are described by any of the activities in Part IV of the permit, those industrial activities are considered to be colocated industrial activities. Stormwater discharges from colocated industrial activities are authorized by this permit, provided that the permittee complies with any and all additional SWPPP and monitoring requirements from Part IV applicable to that particular colocated industrial activity. The permittee shall be responsible for additional SWPPP and monitoring requirements applicable to the colocated industrial activity by examining the narrative descriptions of all discharges covered under this section.

4. The stormwater discharges authorized by this permit may be combined with other sources of stormwater that are not required to be covered under a VPDES permit, so long as the combined discharge is in compliance with this permit.

5. There shall be no discharge of waste, garbage, or floating debris in other than trace amounts.

6. Approval for coverage under this general permit does not relieve the permittee of the responsibility to comply with any other applicable federal, state, or local statute, ordinance, or regulation.

7. Discharges to waters subject to TMDL wasteload allocations. Owners of facilities that are a source of the specified pollutant of concern to waters for which a TMDL wasteload allocation has been approved before by EPA before the term of this permit shall incorporate measures and controls into the SWPPP required by Part III that are consistent with the assumptions and requirements of the TMDL. The department will provide written notification to the owner

that a facility is subject to the TMDL requirements. The facility's SWPPP shall specifically address any conditions or requirements included in the TMDL that are applicable to discharges from the facility. If the TMDL establishes a specific numeric wasteload allocation that applies to discharges from the facility, the owner shall perform any required monitoring in accordance with Part I A 1 c (3), and implement control measures designed to meet that allocation.

8. Discharges through a regulated MS4 to waters subject to the Chesapeake Bay TMDL. In addition to the requirements of this permit, any facility with industrial activity stormwater discharges through a regulated MS4 that is notified by the MS4 operator that the locality has adopted ordinances to meet the Chesapeake Bay TMDL shall incorporate measures and controls into its SWPPP to comply with applicable local TMDL ordinance requirements.

9. Expansion of facilities that discharge to waters subject to the Chesapeake Bay TMDL. Virginia's Phase I Chesapeake Bay TMDL Watershed Implementation Plan (November 29, 2010), states that the wasteloads from any expansion of an existing permitted facility discharging stormwater in the Chesapeake Bay watershed cannot exceed the nutrient and sediment loadings that were discharged from the expanded portion of the land before the land being developed for the expanded industrial activity.
   a. For any industrial activity area expansions (i.e., construction activities, including clearing, grading, and excavation activities) that begin on or after July 1, 2024, the permittee shall document in the SWPPP the information and calculations used to determine the nutrient and sediment loadings discharged from the expanded land area before the land was developed, and the measures and controls that were employed to meet the no net increase of stormwater nutrient and sediment load as a result of the expansion of the industrial activity. Any land disturbance that is exempt from permitting under the VPDES construction stormwater general permit regulation (9VAC25-880) is exempt from this requirement.
   b. The permittee may use the VSMP water quality design criteria to meet the requirements of Part I B 10 a. Under this criteria, the total phosphorus load shall not exceed the greater of (i) the total phosphorus load that was discharged from the expanded portion of the land before the land being developed for the industrial activity or (ii) 0.41 pounds per acre per year. Compliance with the water quality design criteria may be determined utilizing the Virginia Runoff Reduction Method or another equivalent methodology approved by the department. Design specifications and pollutant removal efficiencies for specific BMPs can be found on the Virginia Stormwater BMP Clearinghouse website.
   c. The permittee may consider utilization of any pollutant trading or offset program in accordance with §§ 62.1-44.19:20 through 62.1-44.19:23 of the Code of Virginia, governing trading and offsetting, to meet the no net increase requirement.

10. Water quality protection. The discharges authorized by this permit shall be controlled as necessary to meet applicable water quality standards. The department expects that compliance with the conditions in this permit will control discharges as necessary to meet applicable water quality standards.

11. Adding or deleting stormwater outfalls. The permittee may add new or delete existing stormwater outfalls at the facility as necessary and appropriate. The permittee shall update the SWPPP and notify the department of all outfall changes within 30 days of the change. The permittee shall submit a copy of the updated SWPPP site map with this notification.

12. Antidegradation requirements for new or increased discharges to high quality waters. Facilities that add new outfalls, or increase their discharges from existing outfalls that discharge directly to high quality waters designated under Virginia's water quality standards antidegradation policy under 9VAC25-260-30 A 2 may be notified by the department that

additional control measures, or other permit conditions are necessary to comply with the applicable antidegradation requirements, or may be notified that an individual permit is required in accordance with 9VAC25-31-170 B 3.

13. Termination of permit coverage.
    a. The owner may terminate coverage under this general permit by filing a complete notice of termination with the department. The notice of termination may be filed after one or more of the following conditions have been met:
        (1) Operations have ceased at the facility and there are no longer discharges of stormwater associated with industrial activity from the facility;
        (2) A new owner has assumed responsibility for the facility. A notice of termination does not have to be submitted if a VPDES Change of Ownership Agreement Form has been submitted;
        (3) All stormwater discharges associated with industrial activity have been covered by an individual VPDES permit; or
        (4) Termination of coverage is being requested for another reason, provided the department agrees that coverage under this general permit is no longer needed.
    b. The notice of termination shall contain the following information:
        (1) Owner's name, mailing address, telephone number, and email address (if available);
        (2) Facility name and location;
        (3) VPDES industrial stormwater general permit registration number;
        (4) The basis for submitting the notice of termination, including:
            (a) A statement indicating that a new owner has assumed responsibility for the facility;
            (b) A statement indicating that operations have ceased at the facility, and there are no longer discharges of stormwater associated with industrial activity from the facility;
            (c) A statement indicating that all stormwater discharges associated with industrial activity have been covered by an individual VPDES permit; or
            (d) A statement indicating that termination of coverage is being requested for another reason and a description of the reason; and
        (5) The following certification: "I certify under penalty of law that all stormwater discharges associated with industrial activity from the identified facility that are authorized by this VPDES general permit have been eliminated, or covered under a VPDES individual permit, or that I am no longer the owner of the industrial activity, or permit coverage should be terminated for another reason listed above. I understand that by submitting this notice of termination, that I am no longer authorized to discharge stormwater associated with industrial activity in accordance with the general permit, and that discharging pollutants in stormwater associated with industrial activity to surface waters is unlawful where the discharge is not authorized by a VPDES permit. I also understand that the submittal of this notice of termination does not release an owner from liability for any violations of this permit or the Clean Water Act."
    c. The notice of termination shall be signed in accordance with Part II K.
    d. The notice of termination shall be submitted to the DEQ regional office serving the area where the industrial facility is located.

# Part II. Conditions Applicable To All VPDES Permits

A. Monitoring.

1. Samples and measurements taken as required by this permit shall be representative of the monitored activity.

2. Monitoring shall be conducted according to procedures approved under 40 CFR Part 136 or alternative methods approved by the U.S. Environmental Protection Agency, unless other procedures have been specified in this permit.

3. The permittee shall periodically calibrate and perform maintenance procedures on all monitoring and analytical instrumentation at intervals that will ensure accuracy of measurements.

4. Samples taken as required by this permit shall be analyzed in accordance with 1VAC30-45, (Certification for Noncommercial Environmental Laboratories), or 1VAC30-46 (Accreditation for Commercial Environmental Laboratories).

B. Records.

1. Records of monitoring information shall include:
   a. The date, exact place, and time of sampling or measurements;
   b. The individuals who performed the sampling or measurements;
   c. The dates and times analyses were performed;
   d. The individuals who performed the analyses;
   e. The analytical techniques or methods used; and
   f. The results of such analyses.

2. The permittee shall retain copies of the SWPPP, including any modifications made during the term of this permit, records of all monitoring information, including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation, copies of all reports required by this permit, and records of all data used to complete the registration statement for this permit, for a period of at least three years from the date that coverage under this permit expires or is terminated. This period of retention shall be extended automatically during the course of any unresolved litigation regarding the regulated activity or regarding control standards applicable to the permittee, or as requested by the department.

C. Reporting Monitoring Results.

1. The permittee shall submit the results of the monitoring required by this permit not later than the 10th day of the month after monitoring takes place, unless another reporting schedule is specified elsewhere in this permit. Monitoring results shall be submitted to the department's regional office.

2. Monitoring results shall be reported in the department's electronic discharge monitoring report (e-DMR) system. All reports and forms submitted in compliance with this permit shall be submitted electronically by the permittee in accordance with 9VAC25-31-1020.

3. If the permittee monitors any pollutant specifically addressed by this permit more frequently than required by this permit using test procedures approved under 40 CFR Part 136 or using other

test procedures approved by the U.S. Environmental Protection Agency or using procedures specified in this permit, the results of this monitoring shall be included in the calculation and reporting of the data submitted in e-DMR or reporting form specified by the department.

4. Calculations for all limitations which require averaging of measurements shall utilize an arithmetic mean unless otherwise specified in this permit.

D. Duty to Provide Information.

The permittee shall furnish to the Department, within a reasonable time, any information that the department may request to determine whether cause exists for modifying, revoking and reissuing, or terminating coverage under this permit or to determine compliance with this permit. The department may require the permittee to furnish, on request, plans, specifications, and other pertinent information as may be necessary to determine the effect of the wastes from the discharge on the quality of state waters, or such other information as may be necessary to accomplish the purposes of the State Water Control Law. The permittee shall also furnish to the department on request, copies of records required to be kept by this permit.

E. Compliance Schedule Reports.

Reports of compliance or noncompliance with, or any progress reports on, interim and final requirements contained in any compliance schedule of this permit shall be submitted no later than 14 days following each schedule date.

F. Unauthorized Discharges.

Except in compliance with this permit, or another permit issued by the Department, it shall be unlawful for any person to:

1. Discharge into state waters sewage, industrial wastes, other wastes, or any noxious or deleterious substances; or

2. Otherwise alter the physical, chemical or biological properties of such state waters and make them detrimental to the public health, or to animal or aquatic life, or to the use of state waters for domestic or industrial consumption, or for recreation, or for other uses.

G. Reports of Unauthorized Discharges.

Any permittee who discharges or causes or allows a discharge of sewage, industrial waste, other wastes or any noxious or deleterious substance into or upon state waters in violation of Part II F; or who discharges or causes or allows a discharge that may reasonably be expected to enter state waters in violation of Part II F, shall notify the department of the discharge immediately upon discovery of the discharge, but in no case later than 24 hours after the discovery. A written report of the unauthorized discharge shall be submitted to the department within five days of discovery of the discharge. The written report shall contain:

1. A description of the nature and location of the discharge;
2. The cause of the discharge;
3. The date on which the discharge occurred;
4. The length of time that the discharge continued;
5. The volume of the discharge;
6. If the discharge is continuing, how long it is expected to continue;
7. If the discharge is continuing, what the expected total volume of the discharge will be; and

8. Any steps planned or taken to reduce, eliminate and prevent a recurrence of the present discharge or any future discharges not authorized by this permit.

Discharges reportable to the department under the immediate reporting requirements of other regulations are exempted from this requirement.

H. Reports of Unusual or Extraordinary Discharges.

If any unusual or extraordinary discharge including a bypass or upset should occur from a treatment works and the discharge enters or could be expected to enter state waters, the permittee shall promptly notify, in no case later than 24 hours, the department after the discovery of the discharge. This notification shall provide all available details of the incident, including any adverse affects on aquatic life and the known number of fish killed. The permittee shall reduce the report to writing and shall submit it to the department within five days of discovery of the discharge in accordance with Part II I 1 b. Unusual and extraordinary discharges include any discharge resulting from:

1. Unusual spillage of materials resulting directly or indirectly from processing operations;
2. Breakdown of processing or accessory equipment;
3. Failure or taking out of service some or all of the treatment works; and
4. Flooding or other acts of nature.

I. Reports of Noncompliance.

1. The permittee shall report any noncompliance that may adversely affect state waters or may endanger public health.
   a. A report shall be provided within 24 hours from the time the permittee becomes aware of the circumstances. The following shall be included as information which shall be reported within 24 hours under Part II I:
      (1) Any unanticipated bypass; and
      (2) Any upset that causes a discharge to surface waters.
   b. A written report shall be submitted within five days and shall contain:
      (1) A description of the noncompliance and its cause;
      (2) The period of noncompliance, including exact dates and times, and if the noncompliance has not been corrected, the anticipated time it is expected to continue; and
      (3) Steps taken or planned to reduce, eliminate, and prevent reoccurrence of the noncompliance.

   The department may waive the written report on a case-by-case basis for reports of noncompliance under Part II I if the oral report has been received within 24 hours and no adverse impact on state waters has been reported.

2. The permittee shall report all instances of noncompliance not reported under Part II I 1 in writing, at the time the next monitoring reports are submitted. The reports shall contain the information listed in Part II I 1.

3. The immediate (within 24 hours) reports required in Part II G, Hand I shall be made to the department's regional office. Reports may be made by telephone or online at https://www.deq.virginia.gov/our-programs/pollution-response. For reports outside normal working hours, the online portal shall be used. For emergencies, call the Virginia Department of Emergency Management’s Emergency Operations Center (24-hour) at 1-800-468-8892.

J. Notice of Planned Changes.

1. The permittee shall give notice to the department as soon as possible of any planned physical alterations or additions to the permitted facility. Notice is required only when:
   a. The permittee plans alteration or addition to any building, structure, facility, or installation from which there is or may be a discharge of pollutants, the construction of which began:

      (1) After promulgation of standards of performance under § 306 of Clean Water Act which are applicable to the source; or
      (2) After proposal of standards of performance in accordance with § 306 of Clean Water Act that are applicable to the source, but only if the standards are promulgated in accordance with § 306 within 120 days of their proposal;
   b. The alteration or addition could significantly change the nature or increase the quantity of pollutants discharged. This notification applies to pollutants that are subject neither to effluent limitations nor to notification requirements specified elsewhere in this permit; or
   c. The alteration or addition results in a significant change in the permittee's sludge use or disposal practices, and the alteration, addition, or change may justify the application of permit conditions that are different from or absent in the existing permit, including notification of additional use or disposal sites not reported during the permit application process or not reported pursuant to an approved land application plan.

2. The permittee shall give advance notice to the Department of any planned changes in the permitted facility or activity that may result in noncompliance with permit requirements.

K. Signatory Requirements.

1. Registration Statements. All registration statements shall be signed as follows:
   a. For a corporation: by a responsible corporate officer. For the purpose of this section, a responsible corporate officer means (i) a president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy- or decision-making functions for the corporation; or (ii) the manager of one or more manufacturing, production, or operating facilities, provided the manager is authorized to make management decisions that govern the operation of the regulated facility including having the explicit or implicit duty of making major capital investment recommendations, and initiating and directing other comprehensive measures to assure long-term environmental compliance with environmental laws and regulations; the manager can ensure that the necessary systems are established or actions taken to gather complete and accurate information for permit registration requirements; and where authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures;
   b. For a partnership or sole proprietorship: by a general partner or the proprietor, respectively; or
   c. For a municipality, state, federal, or other public agency: by either a principal executive officer or ranking elected official. For purposes of this section, a principal executive officer of a public agency includes (i) the chief executive officer of the agency, or (ii) a senior executive officer having responsibility for the overall operations of a principal geographic unit of the agency.

2. Reports. All reports required by permits, and other information requested by the department shall be signed by a person described in Part II K 1 or by a duly authorized representative of that person. A person is a duly authorized representative only if:
   a. The authorization is made in writing by a person described in Part II K 1;
   b. The authorization specifies either an individual or a position having responsibility for the overall operation of the regulated facility or activity (e.g., the position of plant manager, operator of a well or a well field, superintendent, position of equivalent responsibility, or an

individual or position having overall responsibility for environmental matters for the company. A duly authorized representative may thus be either a named individual or any individual occupying a named position; and

c. The written authorization is submitted to the department.

3. Changes to authorization. If an authorization under Part II K 2 is no longer accurate because a different individual or position has responsibility for the overall operation of the facility, a new authorization satisfying the requirements of Part II K 2 shall be submitted to the department before or together with any reports, or information to be signed by an authorized representative.

4. Certification. Any person signing a document under Part II K 1 or 2 shall make the following certification:

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

L. Duty to Comply.

The permittee shall comply with all conditions of this permit. Any permit noncompliance constitutes a violation of the State Water Control Law and the Clean Water Act, except that noncompliance with certain provisions of this permit may constitute a violation of the State Water Control Law but not the Clean Water Act. Permit noncompliance is grounds for enforcement action; for permit coverage termination or denial of a permit coverage renewal.

The permittee shall comply with effluent standards or prohibitions established under § 307(a) of the Clean Water Act for toxic pollutants within the time provided in the regulations that establish these standards even if this permit has not yet been modified to incorporate the requirement.

M. Duty to Reapply.

If the permittee wishes to continue an activity regulated by this permit after the expiration date of this permit, the permittee shall submit a new registration statement at least 60 days before the expiration date of the existing permit, unless permission for a later date has been granted by the department. The department shall not grant permission for registration statements to be submitted later than the expiration date of the existing permit.

N. Effect of a Permit.

This permit neither conveys any property rights in either real or personal property or any exclusive privilege, nor authorizes any injury to private property or invasion of personal rights, or any infringement of federal, state or local law or regulations.

O. State Law.

Nothing in this permit shall be construed to preclude the institution of any legal action under, or relieve the permittee from any responsibilities, liabilities, or penalties established pursuant to any other state law or regulation or under authority preserved by § 510 of the Clean Water Act. Except as provided in permit conditions on bypassing as described in Part II U, and upset (as described in

Part II V, nothing in this permit shall be construed to relieve the permittee from civil and criminal penalties for noncompliance.

P. Oil and Hazardous Substance Liability.

Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities, or penalties to which the permittee is or may be subject under §§ 62.1-44.34:14 through 62.1-44.34:23 of the State Water Control Law.

Q. Proper Operation and Maintenance.

The permittee shall at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) that are installed or used by the permittee to achieve compliance with the conditions of this permit. Proper operation and maintenance also includes effective plant performance, adequate funding, adequate staffing, and adequate laboratory and process controls, including appropriate quality assurance procedures. This provision requires the operation of back-up or auxiliary facilities or similar systems that are installed by the permittee only when the operation is necessary to achieve compliance with the conditions of this permit.

R. Disposal of Solids or Sludges.

Solids, sludges or other pollutants removed in the course of treatment or management of pollutants shall be disposed of in a manner so as to prevent any pollutant from the materials from entering state waters.

S. Duty to Mitigate.

The permittee shall take all reasonable steps to minimize or prevent any discharge or sludge use or disposal in violation of this permit which has a reasonable likelihood of adversely affecting human health or the environment.

T. Need to Halt or Reduce Activity not a Defense.

It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.

U. Bypass

1. "Bypass" means the intentional diversion of waste streams from any portion of a treatment facility. The permittee may allow any bypass to occur that does not cause effluent limitations to be exceeded, but only if it also is for essential maintenance to assure efficient operation. These bypasses are not subject to the provisions of Part II U 2 and 3.

2. Notice
   a. Anticipated bypass. If the permittee knows in advance of the need for a bypass, prior notice shall be submitted, if possible at least 10 days before the date of the bypass.
   b. Unanticipated bypass. The permittee shall submit notice of an unanticipated bypass as required in Part II I.

3. Prohibition of bypass.
   a. Bypass is prohibited, and the department may take enforcement action against a permittee for bypass, unless:

(1) Bypass was unavoidable to prevent loss of life, personal injury, or severe property damage;
(2) There were no feasible alternatives to the bypass (e.g., the use of auxiliary treatment facilities, retention of untreated wastes, or maintenance during normal periods of equipment downtime. This condition is not satisfied if adequate back-up equipment should have been installed in the exercise of reasonable engineering judgment to prevent a bypass which occurred during normal periods of equipment downtime or preventive maintenance; and
(3) The permittee submitted notices as required under Part II U 2.

b. The department may approve an anticipated bypass, after considering its adverse effects, if the department determines that it will meet the three conditions listed above in Part II U 3 a.

V. Upset.

1. An upset constitutes an affirmative defense to an action brought for noncompliance with technology based permit effluent limitations if the requirements of Part II V 2 are met. A determination made during administrative review of claims that noncompliance was caused by upset, and before an action for noncompliance, is not a final administrative action subject to judicial review.

2. A permittee who wishes to establish the affirmative defense of upset shall demonstrate, through properly signed, contemporaneous operating logs, or other relevant evidence that:
   a. An upset occurred and that the permittee can identify the causes of the upset;
   b. The permitted facility was at the time being properly operated;
   c. The permittee submitted notice of the upset as required in Part II I; and
   d. The permittee complied with any remedial measures required under Part II S.

3. In any enforcement proceeding the permittee seeking to establish the occurrence of an upset has the burden of proof.

W. Inspection and Entry.

The permittee shall allow the director, or an authorized representative, including an authorized contractor acting as a representative of the administrator, upon presentation of credentials and other documents as may be required by law, to:

1. Enter on the permittee's premises where a regulated facility or activity is located or conducted, or where records must be kept under the conditions of this permit;

2. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;

3. Inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this permit; and

4. Sample or monitor at reasonable times, for the purposes of assuring permit compliance or as otherwise authorized by the Clean Water Act and the State Water Control Law, any substances or parameters at any location.

For purposes of this section, the time for inspection shall be deemed reasonable during regular business hours, and whenever the facility is discharging. Nothing contained in this general permit shall make an inspection unreasonable during an emergency.

X. Permit Actions.

Permit coverages may be terminated for cause. The filing of a request by the permittee for a permit termination, or a notification of planned changes or anticipated noncompliance does not stay any permit condition.

Y. Transfer of Permits.

1. Permits are not transferable to any person except after notice to the department.

2. Coverage under this permit may be automatically transferred to a new permittee if:
   a. The current permittee notifies the department within 30 days of the transfer of the title to the facility or property; unless permission for a later date has been granted by the department;
   b. The notice includes a written agreement between the existing and new permittees containing a specific date for transfer of permit responsibility, coverage, and liability between them; and
   c. The department does not notify the existing permittee and the proposed new permittee of its intent to deny the new permittee coverage under the permit. If this notice is not received, the transfer is effective on the date specified in the agreement mentioned in Part II Y 2 b.

Z. Severability.

The provisions of this permit are severable, and if any provision of this permit or the application of any provision of this permit to any circumstance is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby.

# Part III. Stormwater Pollution Prevention Plan

A stormwater pollution prevention plan (SWPPP) shall be developed and implemented for the facility covered by this permit. The SWPPP is intended to document the selection, design, and installation of control measures, including BMPs, to minimize the pollutants in all stormwater discharges from the facility, and to meet applicable effluent limitations and water quality standards.

The SWPPP requirements of this general permit may be fulfilled, in part, by incorporating by reference other plans or documents (i.e., a spill prevention control and countermeasure (SPCC) plan developed for the facility under § 311 of the Clean Water Act, or best management practices (BMP) programs otherwise required for the facility, provided that the incorporated plan meets or exceeds the plan requirements of Part III B. All plans incorporated by reference into the SWPPP become enforceable under this permit. If a plan incorporated by reference does not contain all of the required elements of the SWPPP of Part III B, the permittee shall develop the missing SWPPP elements and include them in the required plan.

A. Deadlines for SWPPP preparation and compliance.

1. Facilities that were covered under the 2019 Industrial Stormwater General Permit. Owners of facilities that were covered under the 2019 Industrial Stormwater General Permit who are continuing coverage under this general permit shall update and implement any revisions to the SWPPP within 90 days of the department granting coverage under this permit.

2. New facilities, facilities previously covered by an expiring individual permit, and existing facilities not currently covered by a VPDES permit. Owners of new facilities, facilities previously covered by an expiring individual permit, and existing facilities not currently covered by a VPDES permit who elect to be covered under this general permit shall prepare and implement the SWPPP before submitting the registration statement.

3. New owners of existing facilities. Where the owner of an existing facility that is covered by this permit changes, the new owner of the facility shall update and implement any revisions to the SWPPP within 60 days of the ownership change.

4. Extensions. Upon a showing of good cause, the director may establish a later date in writing for the preparation and compliance with the SWPPP.

B. Contents of the SWPPP.

The contents of the SWPPP shall comply with the requirements listed below and those in the appropriate sectors of Part IV. These requirements are cumulative. If a facility has colocated industrial activities that are covered in more than one sector of Part IV, that facility's SWPPP shall comply with the requirements listed in all applicable sectors. The following requirements are applicable to all SWPPPs developed under this general permit. The SWPPP shall include, at a minimum, the following items:

1. Pollution prevention team. The SWPPP shall identify the staff individuals by name or title who comprise the facility's stormwater pollution prevention team. The pollution prevention team is responsible for assisting the facility or plant manager in developing, implementing, maintaining, revising and ensuring compliance with the facility's SWPPP. Specific responsibilities of each staff individual on the team shall be identified and listed.

2. Site description. The SWPPP shall include the following:
   a. A description of the industrial activities at the facility.

b. A site map identifying the following:
   (1) The boundaries of the property and the size of the property in acres;
   (2) The location and extent of significant structures and impervious surfaces;
   (3) Locations of all stormwater conveyances, including ditches, pipes, swales, and inlets, and the directions of stormwater flow using arrows to indicate which direction stormwater will flow;
   (4) Locations of all stormwater control measures, including BMPs;
   (5) Locations of all surface water bodies, including wetlands;
   (6) Locations of potential pollutant sources identified under Part III B 3;
   (7) Locations where significant spills or leaks identified under Part III B 3 c have occurred;
   (8) Locations of stormwater outfalls.
      (a) An approximate outline of the area draining to each outfall;
      (b) The drainage area of each outfall in acres;
      (c) The longitude and latitude of each outfall;
      (d) The location of any MS4 conveyance receiving discharge from the facility; and
      (e) Each outfall shall be identified with a unique numerical identification code. For example: Outfall Number 001, Outfall Number 002, etc.;
   (9) Location and description of all nonstormwater discharges;
   (10) Location of any storage piles containing salt;
   (11) Locations and sources of suspected run-on to the site from an adjacent property if the run-on is suspected of containing significant quantities of pollutants; and
   (12) Locations of all stormwater monitoring points.

c. Receiving waters and wetlands. The name of all surface waters receiving discharges from the site, including intermittent streams, dry sloughs, and arroyos. Provide a description of wetland sites that may receive discharges from the facility. If the facility discharges through an MS4, identify the MS4 operator, and the receiving water to which the MS4 discharges.

3. Summary of potential pollutant sources. The SWPPP shall identify each separate area at the facility where industrial materials or activities are exposed to stormwater. Industrial materials or activities include material handling equipment or activities, industrial machinery, raw materials, industrial production and processes, intermediate products, byproducts, final products, and waste products. Material handling activities include the storage, loading and unloading, transportation, disposal, or conveyance of any raw material, intermediate product, final product or waste product. For each separate area identified, the description shall include:
   a. Activities in the area. A list of the industrial activities exposed to stormwater.
   b. Pollutants. A list of the pollutants, pollutant constituents, or industrial chemicals associated with each industrial activity that could potentially be exposed to stormwater. The pollutant list shall include all significant materials handled, treated, stored or disposed that have been exposed to stormwater in the three years before the date this SWPPP was prepared or amended. The list shall include any hazardous substances or oil at the facility.
   c. Spills and leaks. The SWPPP shall clearly identify areas where potential spills and leaks that can contribute pollutants to stormwater discharges can occur and their corresponding outfalls. The SWPPP shall include a list of significant spills and leaks of toxic or hazardous pollutants that actually occurred at exposed areas, or that drained to a stormwater conveyance during the three-year period before the date this SWPPP was prepared or amended. The list shall be updated within 60 days of the incident if significant spills or leaks occur in exposed areas of the facility during the term of the permit.
   d. Sampling data. The SWPPP shall include stormwater discharge sampling data collected during the previous three years.

4. Stormwater controls.
   a. Control measures shall be implemented for all the areas identified in Part III B 3 to prevent or control pollutants in stormwater discharges from the facility. Regulated stormwater discharges from the facility include stormwater run-on that commingles with stormwater

discharges associated with industrial activity at the facility. The SWPPP shall describe the type, location and implementation of all control measures for each area where industrial materials or activities are exposed to stormwater.

Selection of control measures shall take into consideration:

(1) That preventing stormwater from coming into contact with polluting materials is generally more effective, and less costly, than trying to remove pollutants from stormwater;

(2) Control measures generally shall be used in combination with each other for most effective water quality protection;

(3) Assessing the type and quantity of pollutants, including their potential to impact receiving water quality, is critical to designing effective control measures;

(4) That minimizing impervious areas at the facility can reduce runoff and improve groundwater recharge and stream base flows in local streams (however, care must be taken to avoid groundwater contamination);

(5) Flow attenuation by use of open vegetated swales and natural depressions can reduce instream impacts of erosive flows;

(6) Conservation or restoration of riparian buffers will help protect streams from stormwater runoff and improve water quality; and

(7) Treatment interceptors (e.g., swirl separators and sand filters) may be appropriate in some instances to minimize the discharge of pollutants.

b. Nonnumeric technology-based effluent limits. The permittee shall implement the following types of control measures to prevent and control pollutants in the stormwater discharges from the facility, unless it can be demonstrated and documented that such controls are not relevant to the discharges.

(1) Good housekeeping. The permittee shall keep clean all exposed areas of the facility that are potential sources of pollutants to stormwater discharges. The permittee shall perform the following good housekeeping measures to minimize pollutant discharges:

(a) The SWPPP shall include a schedule for regular pickup and disposal of waste materials, along with routine inspections for leaks and conditions of drums, tanks, and containers;

(b) As feasible, the facility shall sweep or vacuum;

(c) Store materials in containers constructed of appropriate materials;

(d) Manage all waste containers to prevent a discharge of pollutants;

(e) Minimize the potential for waste, garbage, and floatable debris to be discharged by keeping areas exposed to stormwater free of such materials or by intercepting the materials before discharge; and

(f) Facilities that handle pre-production plastic or plastic waste shall implement BMPs to eliminate stormwater discharges of plastics.

(2) Eliminating and minimizing exposure. To the extent practicable, manufacturing, processing, and material storage areas (including loading and unloading, storage, disposal, cleaning, maintenance, and fueling operations) shall be located inside, or protected by a storm-resistant covering to prevent exposure to rain, snow, snowmelt, and runoff. Eliminating exposure at all industrial areas may make the facility eligible for the "Conditional Exclusion for No Exposure" provision of 9VAC25-31-120 E, thereby eliminating the need to have a permit. Unless infeasible, facilities shall implement the following:

(a) Use grading, berming, or curbing to prevent runoff of contaminated flows and divert run-on away from potential sources of pollutants;

(b) Locate materials, equipment, and activities so that potential leaks and spills are contained, or able to be contained, or diverted before discharge;

(c) Clean up spills and leaks immediately, on discovery of the spills or leaks, using dry methods (e.g., absorbents) to prevent the discharge of pollutants;

(d) Store leaking vehicles and equipment indoors or, if stored outdoors, use drip pans and adsorbents;

(e) Utilize appropriate spill or overflow protections equipment;

(f) Perform all vehicle maintenance or equipment cleaning operations indoors, under cover, or in bermed areas that prevent runoff and run-on and also capture any overspray; and
(g) Drain fluids from equipment and vehicles that will be decommissioned, and for any equipment and vehicles that remain unused for extended periods of time, inspect at least monthly for leaks.

(3) Preventive maintenance. The permittee shall have a preventive maintenance program that includes regular inspection, testing, maintenance and repairing of all industrial equipment and systems to avoid situations that could result in leaks, spills and other releases of pollutants in stormwater discharged from the facility. This program is in addition to the specific control measure maintenance required under Part III C (Maintenance).

(4) Spill prevention and response procedures. The SWPPP shall describe the procedures that will be followed for preventing and responding to spills and leaks, including:
(a) Preventive measures, (e.g., barriers between material storage and traffic areas, secondary containment provisions, and procedures for material storage and handling);
(b) Response procedures, including notification of appropriate facility staff, emergency agencies, and regulatory agencies, and procedures for stopping, containing and cleaning up spills. Measures for cleaning up hazardous material spills or leaks shall be consistent with applicable Resource Conservation and Recovery Act regulations at 40 CFR Part 264 and 40 CFR Part 265. Employees who may cause, detect or respond to a spill or leak shall be trained in these procedures and have necessary spill response equipment available. If possible, one of these individuals shall be a member of the Pollution Prevention Team;
(c) Procedures for plainly labeling containers (e.g., "used oil," "spent solvents," "fertilizers and pesticides," etc.) that could be susceptible to spillage or leakage to encourage proper handling and facilitate rapid response if spills or leaks occur; and
(d) Contact information for individuals and agencies that must be notified of a spill shall be included in the SWPPP, and in other locations where it will be readily available.

(5) Salt storage piles or piles containing salt. Storage piles of salt or piles containing salt used for deicing or other commercial or industrial purposes shall be enclosed or covered to prevent exposure to precipitation. The permittee shall implement appropriate measures (e.g., good housekeeping, diversions, containment) to minimize exposure resulting from adding to or removing materials from the pile. All salt storage piles shall be located on an impervious surface. All runoff from the pile, and runoff that comes in contact with salt, including under drain systems, shall be collected and contained within a bermed basin lined with concrete or other impermeable materials, or within an underground storage tank or tanks, or within an aboveground storage tank, or disposed of through a sanitary sewer (with the permission of the owner of the treatment facility). A combination of any or all of these methods may be used. In no case shall salt contaminated stormwater be allowed to discharge directly to the ground or to surface waters.

(6) Employee training. The permittee shall implement a stormwater employee training program for the facility. The SWPPP shall include a schedule for all types of necessary training, and shall document all training sessions and the employees who received the training. Training shall be provided at least annually for all employees who work in areas where industrial materials or activities are exposed to stormwater, and for employees who are responsible for implementing activities identified in the SWPPP (e.g., inspectors, maintenance staff, etc.). The training shall cover the components and goals of the SWPPP, and include such topics as spill response, good housekeeping, material management practices, control measure operation and maintenance, etc. The SWPPP shall include a summary of any training performed.

(7) Sediment and erosion control. The SWPPP shall identify areas at the facility that, due to topography, land disturbance (e.g., construction, landscaping, site grading), or other factors, have a potential for soil erosion. The permittee shall identify and implement structural, vegetative, and stabilization control measures to prevent or control on-site and off-site erosion and sedimentation. Flow velocity dissipation devices shall be placed at discharge locations and along the length of any outfall channel if the flows would otherwise create erosive conditions.

(8) Management of runoff. The SWPPP shall describe the stormwater runoff management practices (i.e., permanent structural control measures) for the facility. These types of control measures shall be used to divert, infiltrate, reuse, or otherwise reduce pollutants in stormwater discharges from the site.

Structural control measures may require a separate permit under § 404 of the Clean Water Act and the Virginia Water Protection Permit Program Regulation (9VAC25-210) before installation begins.

(9) Dust suppression and vehicle tracking of industrial materials. The permittee shall implement control measures to minimize the generation of dust and off-site tracking of raw, final, or waste materials. Stormwater collected on-site may be used for the purposes of dust suppression or for spraying stockpiles. Potable water, well water, and uncontaminated reuse water may also be used for this purpose. There shall be no direct discharge to surface waters from dust suppression activities or as a result of spraying stockpiles.

(10) Airport deicing operations. The permittee shall minimize, and where practicable eliminate, the use of deicing or anti-icing chemicals in order to reduce the aggregate amount of deicing or anti-icing chemicals used and lessen the environmental impact. The permittee shall minimize contamination of stormwater runoff from aircraft deicing and anti-icing operations and runway deicing operations, if applicable. Where deicing and anti-icing operations occur, the SWPPP shall describe procedures and control measures to manage contaminated stormwater runoff or snow melt (from areas used to dispose contaminated snow) to minimize the amount of pollutants discharged from the site. The following control measure options or their equivalents shall be considered: covering storm sewer inlets, using booms, installing absorptive interceptors in the drain, establishing a dedicated deicing facility with a runoff collection and recovery system; using vacuum or collection trucks; storing contaminated stormwater or deicing fluids in tanks and releasing controlled amounts to a publicly owned treatment works (with permission of the treatment works); collecting contaminated runoff in a wet pond for biochemical decomposition; and directing runoff into vegetative swales or other infiltration measures. Procedures and selected control measures should at all times be consistent with considerations of flight safety.

5. Routine facility inspections. Staff who possess the knowledge and skills to assess conditions and activities that could impact stormwater quality at the facility and who can also evaluate the effectiveness of control measures shall regularly inspect all areas of the facility where industrial materials or activities are exposed to stormwater, areas where spills or leaks have occurred in the past three years, discharge points, and control measures. At least one member of the pollution prevention team shall participate in the routine facility inspections.

The inspection frequency shall be specified in the SWPPP based on a consideration of the level of industrial activity at the facility, but shall be at a minimum of once per calendar quarter unless more frequent intervals are specified elsewhere in the permit or written approval is received from the department for less frequent intervals. Inspections shall be performed during operating

hours. At least once each calendar year, the routine facility inspection shall be conducted during a period when a stormwater discharge is occurring.

The requirement for routine facility inspections is waived for facilities that have maintained an active VEEP E3/E4 status. Certain sectors in Part IV have additional inspection requirements. If the VEEP E3/E4 waiver language is not included for the sector specific inspections, these additional inspection requirements may not be waived.

Any deficiencies in the implementation of the SWPPP that are found shall be corrected as soon as practicable, but not later than within 60 days of the inspection, unless permission for a later date is granted in writing by the director. The results of the inspections shall be documented in the SWPPP and shall include at a minimum:

a. The inspection date;
b. The names of the inspectors;
c. Weather information and a description of any discharges occurring at the time of the inspection;
d. Any previously unidentified discharges of pollutants from the site;
e. Any control measures needing maintenance or repairs;
f. Any failed control measures that need replacement;
g. Any incidents of noncompliance observed; and
h. Any additional control measures needed to comply with the permit requirements.

C. Maintenance.

The SWPPP shall include a description of procedures and a regular schedule for preventive maintenance of all control measures, and shall include a description of the back-up practices that are in place should a runoff event occur while a control measure is off-line. The effectiveness of nonstructural control measures shall also be maintained by appropriate means (e.g., spill response supplies available and staff trained, etc.).

All control measures identified in the SWPPP shall be maintained in effective operating condition and shall be observed at least annually when a stormwater discharge is occurring to ensure that they are functioning correctly. Where discharge locations are inaccessible, nearby downstream locations shall be observed. The observations shall be documented in the SWPPP.

If routine facility inspections required by Part III B 5 identify control measures that are not operating effectively, repairs or maintenance shall be performed before the next anticipated storm event. If maintenance before the next anticipated storm event is not possible, maintenance shall be scheduled and accomplished as soon as practicable, but no later than 60 days of the inspection, unless permission for a later date is granted in writing by the director. In the interim, back-up measures shall be employed and documented in the SWPPP until repairs or maintenance is complete. Documentation shall be kept with the SWPPP of maintenance and repairs of control measures, including the dates of regular maintenance, dates of discovery of areas in need of repair or replacement, dates for repairs, dates that the control measures returned to full function, and the justification for any extended maintenance or repair schedules.

D. Nonstormwater discharges.

1. Discharges of certain sources of nonstormwater listed in Part I B 1 are allowable discharges under this permit. All other nonstormwater discharges are not authorized and shall be either eliminated or covered under a separate VPDES permit.

2. Annual outfall evaluation for unauthorized discharges.
   a. The SWPPP shall include documentation that all stormwater outfalls associated with industrial activity have been evaluated annually for the presence of unauthorized discharges. The documentation shall include:
      (1) The date of the evaluation;
      (2) A description of the evaluation criteria used;
      (3) A list of the outfalls or on-site drainage points that were directly observed during the evaluation;
      (4) A description of the results of the evaluation for the presence of unauthorized discharges; and
      (5) The actions taken to eliminate unauthorized discharges if any were identified.
   b. The permittee may request in writing to the department that the facility be allowed to conduct annual outfall evaluations at 20% of the outfalls. If approved, the permittee shall evaluate at least 20% of the facility outfalls each year on a rotating basis so that all facility outfalls will be evaluated during the period of coverage under this permit.

E. Signature and SWPPP review.

1. Signature and location. The SWPPP, including revisions to the SWPPP to document any corrective actions taken as required by Part I A 6, shall be signed in accordance with Part II K, dated, and retained on-site at the facility covered by this permit in accordance with Part II B 2. All other changes to the SWPPP, and other permit compliance documentation, shall be signed and dated by the person preparing the change or documentation. For inactive and unstaffed facilities, the plan may be kept at the nearest office of the permittee.

2. Availability. The permittee shall retain a copy of the current SWPPP (hard copy or electronic) required by this permit at the facility, and it shall be immediately available to the department, EPA, or the operator of an MS4 receiving discharges from the site at the time of an on-site inspection or upon request.

3. Required modifications. The permittee shall modify the SWPPP whenever necessary to address all corrective actions required by Part I A 6 a (Data exceeding benchmark concentration values) or Part I A 6 b (Corrective actions). Changes to the SWPPP shall be made in accordance with the corrective action deadlines in Part I A 6 a and Part I A 6 b, and shall be signed and dated in accordance with Part III E 1.

   The director may notify the permittee at any time that the SWPPP, control measures, or other components of the facility's stormwater program do not meet one or more of the requirements of this permit. The notification shall identify specific provisions of the permit that are not being met, and may include required modifications to the stormwater program, additional monitoring requirements, and special reporting requirements. The permittee shall make any required changes to the SWPPP within 60 days of receipt of the notification, unless permission for a later date is granted in writing by the director, and shall submit a written certification to the director that the requested changes have been made.

F. Maintaining an updated SWPPP.

1. The permittee shall review and amend the SWPPP as appropriate whenever:
   a. There is construction or a change in design, operation, or maintenance at the facility that has a significant effect on the discharge, or the potential for the discharge, of pollutants from the facility;
   b. Routine inspections or compliance evaluations determine that there are deficiencies in the control measures, including BMPs;

c. Inspections by local, state, or federal officials determine that modifications to the SWPPP are necessary;
d. There is a significant spill, leak, or other release at the facility;
e. There is an unauthorized discharge from the facility; or
f. The department notifies the permittee that a TMDL has been developed and applies to the permitted facility, consistent with Part I B.

3. SWPPP modifications shall be made within 60 calendar days after discovery, observation or event requiring an SWPPP modification. Implementation of new or modified control measures (distinct from regular preventive maintenance of existing control measures described in Part III C) shall be initiated before the next storm event if possible, but no later than 60 days after discovery, or as otherwise provided or approved by the director. The amount of time taken to modify a control measure or implement additional control measures shall be documented in the SWPPP.

4. If the SWPPP modification is based on a significant spill, leak, release, or unauthorized discharge, include a description and date of the incident, the circumstances leading to the incident, actions taken in response to the incident, and measures to prevent the recurrence of releases. Unauthorized discharges are subject to the reporting requirements of Part II G of this permit

# Part IV. Sector Specific Permit Requirements

The permittee must only comply with the additional requirements of Part IV of this permit that apply to the sectors of industrial activity located at the facility. These sector specific requirements are in addition to the requirements specified in Parts I, II and III of this permit. All numeric effluent limitations and benchmark monitoring concentration values reflect two significant digits, unless otherwise noted.

9VAC25-151-380. Sector AE – Facilities with no analytical benchmark monitoring requirements.

A. Discharges covered under this section. The requirements listed under this section apply to stormwater discharges associated with industrial activity from facilities with SIC Codes 2611, 2621, 2652-2657, 2833-2836, 2851, 2861-2869, 2891-2899, 3952, 3211, 3221, 3229, 3231, 3241, 3281, 3291-3299, 3331-3339, 3398, 3399, 3341, 1311, 1321, 1381-1389, 2911, 4512-4581 (not subject to federal effluent guidelines), Treatment Works (TW), 2011-2015, 2032-2038, 2051-2053, 2061-2068, 2082-2087, 2091-2099, 2111-2141, 2211-2299, 2311-2399, 3131-3199, 2434, 2511-2599, 2711-2796, 3081-3089, 3931, 3942-3949, 3951-3955 (except 3952), 3961, 3965, 3991-3999, 3111, 3711-3799 (except 3731 and 3732 as identified in Sector Q), 3571-3579, 3612-3699, and 3812-3873.

B. No additional sector-specific requirements apply to this sector.

# Part V
## Chesapeake Bay Total Maximum Daily Load Compliance

A. Chesapeake Bay TMDL Compliance. EPA's Chesapeake Bay TMDL (December 29, 2010) includes wasteload allocations for VPDES permitted industrial stormwater facilities as part of the regulated stormwater aggregate load. EPA used data submitted by Virginia with the Phase I Chesapeake Bay TMDL Watershed Implementation Plan, including the number of industrial stormwater permits per county and the number of urban acres regulated by industrial stormwater permits, as part of their development of the aggregate load. Aggregate loads for industrial stormwater facilities were appropriate because actual facility loading data were not available to develop individual facility wasteload allocations.

Virginia estimated the loadings from industrial stormwater facilities using actual and estimated facility acreage information and total phosphorus (TP) and total nitrogen (TN) loading rates from the Northern Virginia Planning District Commission (NVPDC) Guidebook for Screening Urban Nonpoint Pollution Management Strategies (Annandale, VA November 1979), prepared for the Metropolitan Washington Council of Governments. The loading rates used were as follows:

TP - High (80%) imperviousness industrial; 1.5 lb/ac/yr

TN - High (80%) imperviousness industrial; 12.3 lb/ac/yr

Actual facility area information and TP and TN data collected for facilities subject to Part V of this permit will be used by the department to quantify the nutrient loads from those VPDES permitted industrial stormwater facilities.

1. Facilities that obtained coverage under the 2019 industrial stormwater general permit that demonstrated compliance with the Chesapeake Bay TMDL loading rates.
   a. Owners shall maintain documentation of their demonstration of compliance with the Chesapeake Bay TMDL loading rates with the SWPPP and shall continue implementing any BMPs that may have been developed as part of that demonstration. Documentation may include:
      (1) Calculations submitted to the department indicating that reductions were not necessary;
      (2) A completed TMDL Action Plan, including a description of the means and methods, such as management practices and retrofit programs that were utilized to meet the required reductions;
      (3) Other means accepted by the department indicating compliance with the Chesapeake Bay TMDL loading rates.

2. Facilities that obtained coverage under the 2019 industrial stormwater general permit that did not demonstrate compliance with the Chesapeake Bay TMDL loading rates shall submit a demonstration to the department.
   a. Owners of facilities that submitted a Chesapeake Bay TMDL action plan during the 2019 industrial stormwater general permit term that did not achieve reductions by the end of the 2019 permit term shall update and resubmit their action plan to the department for approval no later than 60 days following coverage under this general permit. Permittees shall achieve ten percent of the remaining reductions by December 31, 2024, and all remaining reductions by December 31, 2025. An annual report shall be submitted to the department by June 30 of each year describing the progress in meeting the interim and final reductions. A final report to demonstrate compliance shall be submitted to the department no later than January 10, 2026. Documentation of compliance with the Chesapeake Bay TMDL loading rates shall be maintained with the SWPPP.

b. Owners of facilities that completed four samples for each outfall for TN and TP during the 2019 industrial stormwater general permit term that did not submit calculations by the end of the 2019 permit term shall utilize the procedures in Part V D to calculate their facility stormwater loads. The permittee shall submit a copy of the calculations, and a Chesapeake Bay TMDL action plan if required under Part V E, no later than 60 days following coverage under this general permit to the DEQ regional office serving the area where the industrial facility is located on a form provided by the department. Reductions, if applicable, shall be achieved by December 31, 2025, and an annual report shall be submitted to the department by June 30 of each year describing the progress in meeting the required reductions until such time that the demonstration is completed. The demonstration shall be submitted to the department no later than January 10, 2026. Documentation of compliance with the Chesapeake Bay TMDL loading rates shall be maintained with the SWPPP.

c. Owners of facilities registered prior to July 1, 2022, that did not complete four samples for each outfall for TN and TP by the end of the 2019 industrial stormwater general permit term shall monitor their discharges for TN and TP to characterize the contributions from their facility's specific industrial sector for these parameters. Total nitrogen is the sum of total Kjeldahl nitrogen (TKN) and nitrite + nitrate and shall be derived from the results of those tests. After the facility is granted coverage under the permit, samples shall be collected during each of the first four quarters of permit coverage. Samples shall be collected and analyzed in accordance with Part V B. Monitoring results shall be reported in accordance with Part V C and Part II C, and retained in accordance with Part II B. Calculations utilizing the procedures in Part V D, and a Chesapeake Bay TMDL action plan if required under Part V E, shall be submitted no later than 60 days following the completion of the fourth quarterly monitoring period to the DEQ regional office serving the area where the industrial facility is located on a form provided by the department. Reductions, if applicable, shall be achieved by December 31, 2025, and an annual report shall be submitted to the department by June 30 of each year describing the progress in meeting the required reductions until such time that the demonstration is completed. The demonstration shall be submitted to the department no later than January 10, 2026. Documentation of compliance with the Chesapeake Bay TMDL loading rates shall be maintained with the SWPPP.

   Facilities may use the applicable sampling data collected during the 2019 industrial stormwater general permit term to satisfy all or part of the four monitoring periods requirement in accordance with Part V A 2 c.

d. Owners of facilities registered after June 30, 2022, that did not complete four samples for each outfall for TN and TP by the end of the 2019 industrial stormwater general permit term shall monitor their discharges in accordance with Part V A 3.

   Facilities may use the applicable sampling data collected during the 2019 industrial stormwater general permit term to satisfy all or part of the four monitoring periods requirements in accordance with Part V A 3.

3. Facilities that obtain initial coverage under the 2024 industrial stormwater general permit, but are not newly constructed facilities as identified in 9VAC25-151-60 C 13.

   a. Owners of facilities in the Chesapeake Bay watershed that obtain initial coverage under the 2024 industrial stormwater general permit shall monitor their discharges for TN and TP to characterize the contributions from their facility's specific industrial sector for these parameters. Total nitrogen is the sum of total Kjeldahl nitrogen (TKN) and nitrite + nitrate and shall be derived from the results of those tests. After the facility is granted coverage under the permit, samples shall be collected during each of the first four quarters of permit coverage. Samples shall be collected and analyzed in accordance with Part V B. Monitoring results shall be reported in accordance with Part V C and Part II C, and retained in accordance with Part II B. Calculations utilizing the procedures in Part V D and a Chesapeake Bay TMDL action plan if required under Part V E shall be submitted no later

than 60 days following the completion of the fourth quarterly monitoring period to the DEQ regional office serving the area where the industrial facility is located on a form provided by the department. Reductions, if applicable, shall be achieved by two years following the end of the fourth quarterly monitoring period, and an annual report shall be submitted to the department by June 30 of each year describing the progress in meeting the required reductions until such time that the demonstration is completed. The demonstration shall be submitted to the department no later than the 10th of the month directly following the two year period. Documentation of compliance with the Chesapeake Bay TMDL loading rates shall be maintained with the SWPPP.

B. Monitoring instructions.

1. Collection and analysis of samples. Sampling requirements shall be assessed on an outfall by outfall basis. Samples shall be collected and analyzed in accordance with the requirements of Part II A.

2. When and how to sample. A minimum of one grab sample shall be taken from the discharge associated with industrial activity resulting from a storm event that results in a discharge from the site providing the interval from the preceding storm event discharge is at least 72 hours. The 72-hour storm interval is waived if the permittee is able to document that less than a 72-hour interval is representative for local storm events during the sampling period. In the case of snowmelt, the monitoring shall be performed at a time when a measurable discharge occurs at the site. For discharges from a stormwater management structure, the monitoring shall be performed at a time when a measurable discharge occurs from the structure. The grab sample shall be taken during the first 30 minutes of the discharge. If it is not practicable to take the sample during the first 30 minutes, the sample may be taken during the first three hours of the discharge, provided that the permittee explains why a grab sample during the first 30 minutes was impracticable. This information shall be submitted in the department's electronic discharge monitoring report (e-DMR) system and maintained with the SWPPP. If the sampled discharge commingles with process or nonprocess water, the permittee shall attempt to sample the stormwater discharge before it mixes with the nonstormwater.

3. Storm event data. For each monitoring event, except snowmelt monitoring, along with the monitoring results, the permittee shall identify the date of the storm event sampled; rainfall total (in inches) of the storm event that generated the sampled runoff; and the interval between the storm event sampled and the end of the previous storm event discharge. For snowmelt monitoring, the permittee shall identify the date of the sampling event.

4. Monitoring periods. Quarterly monitoring shall be conducted in each of the following three-month periods: January through March, April through June, July through September, and October through December.

5. Documentation explaining a facility's inability to obtain a sample (including dates and times the outfalls were viewed or sampling was attempted), of no rain event, or of deviation from the 72-hour storm interval shall be submitted with the e-DMR and maintained with the SWPPP. Acceptable documentation includes National Climatic Data Center (NCDC) weather station data, local weather station data, facility rainfall logs, and other appropriate supporting data.

6. Representative outfalls may be used in accordance with Part I A 2 f.

C. Reporting monitoring results.

1. Reporting to the department. The permittee shall follow the reporting requirements and deadlines in Table 400-1 if required by Part V A 2 or A 3:

| Table 400-1<br>Monitoring Reporting Requirements | |
|---|---|
| Quarterly Chesapeake Bay TMDL Monitoring | Submit the results by January 10, April 10, July 10, and October 10 |

2. Permittees shall submit results for each outfall associated with industrial activity according to the requirements of Part II C.

3. Significant digits. The permittee shall report at least the same number of significant digits as a numeric effluent limitation or TMDL wasteload allocation for a given parameter; otherwise, at least two significant digits shall be reported for a given parameter. Regardless of the rounding convention used by the permittee (i.e., five always rounding up or to the nearest even number), the permittee shall use the convention consistently and shall ensure that consulting laboratories employed by the permittee use the same convention.

D. Calculation of facility loads.

1. Permittees required to collect nutrient data in accordance with Part V A 2 or A 3 shall analyze the data collected to determine if pollution reductions are required. The permittee shall average the data collected at the facility for each of the pollutants of concern (POC) (e.g., TP and TN) and compare the results to the loading rates for TP and TN presented in Part V A.
The following formula may be used to determine the loading rate:

$L = 0.226 \times P \times Pj \times (0.05 + (0.9 \times Ia)) \times C$

where:

L = the POC loading rate (lb/acre/year)

P = the annual rainfall (inches/year) - The permittee may use either actual annual average rainfall data for the facility location (in inches/year), the Virginia annual average rainfall of 44.3 inches/year, or another method approved by the department.

Pj = the fraction of annual events that produce runoff - The permittee shall use 0.9 unless the department approves another rate.

Ia = the impervious fraction of the facility impervious area of industrial activity to the facility industrial activity area.

C = the POC average concentration of all facility samples (mg/L) - Facilities with multiple outfalls shall calculate a weighted average concentration for each outfall using the drainage area of each outfall.

For total phosphorus, all daily concentration data below the quantitation level (QL) for the analytical method used shall be treated as half the QL. All daily concentration data equal to or above the QL for the analytical method used shall be treated as it is reported.

For total nitrogen, if none of the daily concentration data for the respective species (i.e., TKN, nitrate, or nitrite) are equal to or above the QL for the respective analytical methods used, the daily TN concentration value reported shall equal one half of the largest QL used for the respective species. If one of the data is equal to or above the QL, the daily TN concentration

value shall be treated as that data point is reported. If more than one of the data is above the QL, the daily TN concentration value shall equal the sum of the data points as reported. Calculations shall be submitted to the department within 60 days from the end of the last monitoring period that satisfies the monitoring requirements in Part V A 2 or A 3. Calculations shall be submitted to the DEQ regional office serving the area where the industrial facility is located, on a form provided by the department, and maintained with the facility's SWPPP.

Alternative calculations may be accepted on a case by case basis by the department to accommodate facilities with outfalls that rarely discharge.

E. Chesapeake Bay TMDL action plan requirements. For permittees required to submit calculations in accordance with Part V D, if the calculated facility loading rate for TP or TN is above the loading rates for TP or TN presented in Part V A, then the permittee shall develop and submit a Chesapeake Bay TMDL action plan to the department.

The Chesapeake Bay TMDL action plan shall be submitted on a form provided by the department to the regional office serving the area where the industrial facility is located within 60 days following the completion of the fourth quarterly monitoring period. A copy of the current Chesapeake Bay TMDL action plan and all facility loading rate calculations shall be maintained with the facility's SWPPP. The Chesapeake Bay TMDL action plan shall include:

1. A determination of the total pollutant load reductions for TP and TN (as appropriate) necessary to reduce the annual loads from industrial activities. This shall be determined by multiplying the industrial average times the difference between the TMDL loading rates listed in Part V A and the actual facility loading rates calculated in accordance with Part V D. The reduction applies to the total difference calculated for each pollutant of concern; and

2. The means and methods, such as management practices and retrofit programs that will be utilized to meet the required reductions determined in Part V E 1 and a schedule to achieve those reductions by the applicable deadline set in Part V A 2 or A 3. Pollutant reductions may be achieved using a combination of the following alternatives:
   a. Reductions provided by one or more of the BMPs from the Virginia Stormwater BMP Clearinghouse listed in 9VAC25-870-65, approved BMPs found on the Virginia Stormwater Clearinghouse website, or BMPs approved by the Chesapeake Bay Program. Any BMPs implemented to provide the required pollutant reductions shall be incorporated in the SWPPP and be permanently maintained by the permittee;
   b. Implementation of site-specific BMPs followed by a minimum of four stormwater samples collected in accordance with sampling requirements in Part V B that demonstrate pollutant loadings have been reduced below those calculated under Part V D. Any BMPs implemented to provide the required pollutant reductions shall be incorporated in the SWPPP and be permanently maintained by the permittee; or
   c. Acquisition of nonpoint source credits certified by the board as perpetual in accordance with § 62.1-44.19:20 of the Code of Virginia.