



STORM WATER POLLUTION PREVENTION PLAN

Charlotte-Douglas International Airport
5501 Josh Birmingham Parkway
Charlotte, North Carolina 28208

October 2024

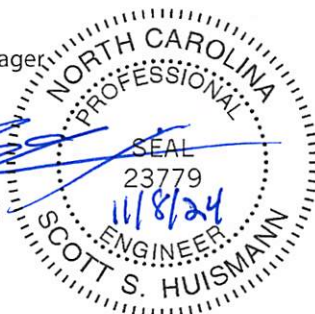
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CERTIFICATION



Charlotte Douglas International Airport Stormwater Pollution Prevention Plan

I, Jack Christine, A.A.E., 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.

Signature: 

Title: Chief Infrastructure Officer

Certification Date: 11/4/2024

*For permit applications, the certification must be signed by a principal executive officer or ranking elected official.

For reports or other information required by the permit, the certification must be signed by a principal executive officer or a ranking elected official or by their duly authorized representative. A person is a duly authorized representative only if

1. The authorization is made in writing by the principal executive officer or ranking elected official.
2. The individual or position has responsibility for the overall operation of the facility or for environmental matters for the organization.
3. The written authorization is submitted to the permit issuing authority (NC Department of Water Quality).

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The Following Tenant Records and Plans are on File in CLT Environmental Library:

Spill Reporting Forms
Storm Water Release Forms
Training Documentation Forms
Semi-Annual Tenant Inspection Forms
Storm Water Master Plan

1 Introduction

This document represents the operational Storm Water Pollution Prevention Plan (SWPPP) for the Charlotte/Douglas International Airport (CLT). It has been prepared in accordance with the requirements of National Pollutant Discharge Elimination System (NPDES) program under the provisions of 40 CFR 122.26 and the existing NPDES permit (NC0083887) issued by the North Carolina Department of Environmental Quality (NCDEQ). A copy of the most currently issued NPDES permit is presented in **Appendix A**. The NPDES permit was authorized on December 1, 2011, and expired on June 30, 2015. The NPDES permit renewal application was submitted to NCDEQ on December 29, 2014. The existing permit will remain in effect until the new NPDES permit is issued. The new NPDES Permit, once issued to CLT, will be included as an amendment to this SWPPP. A copy of the application package is included in **Appendix A**.

This plan is intended for use by CLT to provide consistent and effective management of storm water runoff. This SWPPP includes a description of the CLT facility, a discussion of potential pollution sources resulting from practices and activities at the airport and identifies storm water management controls and best management practices (BMPs) to eliminate or reduce potential for pollutants entering the storm water system.

Information in this 2024 revision to the SWPPP was obtained from portions of the original plan dated January 1996 prepared by Delta Environmental Consultants, the updated plans dated July 2002 and 2008 prepared by CH2M HILL, the updated plans dated April 2015 and February 2019 prepared by Apex Companies, LLC (Apex), through discussions with CLT personnel, interviews with tenants and airport personnel, and inspections of tenant and airport operated facilities conducted by Apex personnel.

1.1 Regulatory Background

In 1972, the Federal Water Pollution Control Act, which became the Clean Water Act (CWA), was amended to require that the discharge of pollutants to waters of the United States from any point source be covered by a NPDES permit. The 1987 amendments to the CWA added Section 402(p), establishing a framework for regulating municipal and industrial discharge of storm water under the NPDES program. Final regulations establishing application requirements for regulated storm water discharges were published in the *Federal Register* on November 16, 1990. The regulations require that facilities with specific types of industrial activities that also discharge storm water obtain an NPDES permit. Under these regulations, airport operations are considered "industrial activities".

Industrial activity at a transportation facility (an airport) is defined in the federal regulations as including those portions of the facility involved in vehicle maintenance (including vehicle rehabilitation, mechanical repairs, painting, fueling, and lubrication), equipment cleaning operations, airport deicing or any operations otherwise identified in the regulations as a category of industrial activity. Areas of each lease-hold on the airport property that engage in industrial activities are, therefore, required to be permitted under the industrial NPDES program. The NPDES program in North Carolina is administered by the North Carolina Department of Environmental Quality.

1.2 Program Approach

In addition to CLT operations, multiple tenants perform a variety of aircraft or airline support activities such as fueling, maintenance, and cleaning, which have the potential of discharging pollutants to the storm water drainage system. CLT manages the permitting of storm water discharges associated with

industrial activities by assuming the roles of both program administrator and master permittee to the participating airport tenants. This approach conforms to current federal regulations and facilitates implementation of consistent storm water pollution prevention measures for each tenant. Tenants are required to participate with CLT as co-permittees. The only exceptions to this are the facilities that have obtained their own NPDES permits and those tenants that have obtained an exemption from NPDES permitting. Tenants covered under their own separate NPDES permit and SWPPP include the North Carolina Air National Guard (NCANG) with the Charlotte Fire Department Fire Station 17 and Fire Station 41, all of which are covered under the NCANG permit.

These facilities are responsible for compliance through development and implementation of their own SWPPPs. Additionally, the Duke Energy Aviation Hangar is exempt from permit coverage and has a No Exposure Certification Exclusion. A copy of the certification is included as **Appendix B**. The North Carolina Army National Guard located on West Boulevard also held a No Exposure Certification Exclusion until 2002 when the facility activities were no longer considered industrial.

The 2024 SWPPP was updated based on a site evaluation that included an onsite review of each facility, interviews with tenant and facility personnel, and preparation of revised surveys. Physical inspection of the facilities was performed by Apex personnel to confirm tenant activities, materials storage, and contact information.

The detailed tenant information contained in this 2024 revision of the SWPPP was obtained from the 2011 NPDES Permit and the previous version of the SWPPP prepared in 2019 by Apex. The 2024 site evaluation included a detailed review of questionnaires completed by tenant or facility personnel, followed by a visual inspection of the site and on-going operations. Historical information was confirmed or updated through the visual site inspections and interviews with current tenant management personnel, which were conducted by Apex personnel, at each respective facility.

1.3 Storm Water Pollution Prevention Plan

This SWPPP has been prepared in accordance with the requirements of CLT's NPDES permit and is divided into the following sections.

- **Section 1 – Introduction.** This section presents federal and state regulatory background and requirements.
- **Section 2 – Facility Description.** This section describes the general activities at CLT, including details on the storm water drainage system.
- **Section 3 – Source Identification.** This section presents the potential pollution sources identified through questionnaires and site visits.
- **Section 4 – Non-Storm Water Discharge Identification.** This section identifies and describes discharges that are not comprised entirely of storm water.
- **Section 5 – Storm Water Management Plan.** This section presents the best management practices (BMPs) designed to protect and improve storm water runoff quality, including training and monitoring requirements.
- **Section 6 – Inspections, Monitoring, and Recordkeeping.** This section discusses the inspections, monitoring, and recordkeeping requirements of the NPDES permit and this SWPPP.

2 Facility Description

2.1 General

CLT is located in the City of Charlotte, Mecklenburg County, North Carolina, as presented on the location map in **Appendix C (Figure 1)**. The airport property includes approximately 11,500 acres of land located seven miles west of uptown Charlotte. Major transportation routes bounding the airport include Billy Graham Parkway (east), Interstate 85 and US 29/74 (north), NC 160 (south) and Interstate 485 (west) (**Figure 1**).

CLT serves as an international airport located in the Metrolina Region of North and South Carolina with non-stop service to over 172 destinations. The Airport is classified as a “Large Hub” and serves as the second busiest Primary Hub for American Airlines. CLT averages approximately 730 flight departures daily on three existing runways, 18C-36C, 18R-36L, 18L-36R, each approximately 10,000 feet in length. A crosswind runway was decommissioned in 2022. A fourth parallel runway of approximately 10,000 feet is under construction and scheduled to be completed by 2027. CLT is primarily a commercial service airport having 11 airline carriers operating on the site. There are some private general aviation (GA) tenants and commercial fixed-base operators (FBOs) providing bulk storage and aircraft maintenance services. According to 2023 statistics, the airport shuttled over 53 million people and 191,760 tons of cargo to/from various locations.

2.2 Land Use

As of February 2024, based on calculations provided by Kimley-Horn, approximately 14 percent of the CLT facility is covered by impervious surfaces such as buildings, runways, taxiways, and parking lots as presented in the site drainage plan (**Figure 2** included in **Appendix C**). The pervious surfaces cover approximately 86 percent of the facility and include grass covered and bare soils that primarily lie between runways, taxiways, buildings, and undeveloped property. The surrounding area consists of predominantly commercial, industrial, and residential properties.

2.3 Climate

According to data compiled by the National Weather Service, based on data collected over the last ten years the climate in Charlotte is mild with average high and low temperatures of 73.1° F and 51.6° F, respectively. The annual average precipitation is 47.36 inches. April is typically the wettest month (4.95 inches), and October is the driest (3.16 inches).

2.4 Drainage System

CLT is permitted to discharge storm water associated with industrial activity into Ticer Branch, Coffey Creek, Taggart Creek, and Little Paw Creek. Additionally, the discharge of wash water is permitted into Coffey Creek and Taggart Creek. These streams are classified as Class C waters within the Catawba River Basin. CLT is required to monitor these two outfalls (Outfall 002 and 003) as well as Instream Outfall 004, which is located in Coffey Creek, upstream of the CLT facility. CLT also monitors three outfalls Designated F, H, and K which drain the western portions of the airport into the Lake Wylie watershed. This area includes the Third Parallel Runway (18R/36L) which runs along Wallace Neel Road.

CLT is divided into four major drainage basins which include Ticer Branch, Coffey Creek, Taggart Creek, and Lake Wylie; these basins are comprised of nearly 100 minor basins as presented in the sites plans, **Appendix C, Figures 2A through 2D**.

2.4.1 Ticer Branch Basin (Outfalls 001, A, and B)

The Ticer Branch Basin, located at the northern end of the CLT facility, includes 19 minor basin areas which drain to Outfalls 001, A, and B. The ultimate receiving water is the Ticer Branch located at the northwest corner of the basin, crossing through minor basins, Clark Place and Todd. The total drainage area for this basin is approximately 1,365 acres, comprised of 166 acres of impervious area and 1,199 acres of pervious area. The main industrial activities conducted in this basin are related to the presence and operation of the airport's main fuel farm located in the Wilkinson minor basin, draining to Outfall 001; and the remote rental car lots located in the RRCF-NW and RRCF-NE-Lot minor basins. Industrial activities include jet fuel storage, gasoline fuel storage, fuel loading and offloading, waste oil storage, vehicle fueling, vehicle maintenance, vehicle and equipment painting/stripping, and vehicle washing as presented in **Figure 2A**. Primary potential storm water pollutants include various fuel and oils.

An oil-water separator and 10,000 gallon UST waste fuel retention system collects stormwater runoff and spills that may occur around the fuel dispensing racks at the CLT main fuel farm. This OWS system additionally receives stormwater runoff from the main fuel farm area where condensation is drained from within the tanks and where precipitation is collected inside the dike walls. The separator sends waste fuel into the holding tank, and wastewater into an adjacent storm water detention pond. At full capacity, the pond was built to contain more than 80,000 gallons. Water from the pond is discharged into a holding sump for controlled treatment and release. The liquid level is controlled by electronic high and low-level floats. As water is pumped from within the holding sump, it is filtered for particulate matter and sediment before being transferred into organoclay media and two granular activated carbon (GAC) units. The organoclay and GAC units serve to effectively eliminate (or greatly reduce) volatile organic compounds from the waste stream such as benzene, toluene, ethylbenzene, xylenes or "BTEX" and other petroleum related contaminants. Once the water passes through the organoclay and GAC, it is discharged into Ticer Branch.

2.4.2 Coffey Creek Basin (Outfalls R, 002, and 004)

Stormwater runoff from the Coffey Creek Basin, comprised of 31 minor basins, is discharged through Outfalls R, 002, and 004. The total drainage area of these basins is 4,401 acres which consists of 1,007 acres of impervious surface and 3,394 acres of pervious surface. Coffey Creek runs through the central area of the basin, through minor basins Eagle Lake; West Boulevard; and, Main Terminal A, B, C, D, and E. Storm water runoff from the Coffey Creek Basin is conveyed directly to the creek using a combination of natural flow areas and ditches, corrugated metal piping (CMP), and reinforced concrete pipe (RCP). A fourth outfall (Outfall Q) was located in the Main Terminal B minor basin, but was piped into a new subsurface culvert at Coffey Creek, in 2023. The Coffey Creek Basin includes areas in the central area and southern border of CLT and is the largest major basin at CLT. The basin includes large impervious areas such as Aircraft Ramps A, B, C, D, and E; and runways 18L/36R, 18C/36C and the majority of 5-23. The majority of the industrial activities in this basin take place in minor basins, Aircraft Ramp A, B, and C; Ramp A-1; Main Terminal B and D; and Air Cargo P, as presented on **Figure 2B**.

Industrial activities in the basin are extensive and varied, and include aircraft and pavement deicing, fueling, maintenance, and sanitary service; cargo handling; chemical storage; equipment washing, maintenance, and storage; fuel storage; floor washdown; fabrication; pesticide/herbicide use; and vehicle fueling, maintenance and, washing. Potential storm water pollutants in this basin include deicing fluid, pavement deicers, fuel, oil, detergents, solid waste and suspended solids from cargo handling and equipment storage.

Due to the extent of industrial activities and high likelihood of fuel spills to occur in the Coffey Creek Basin, the Airport has installed a large spill containment capture and oil/water separator device at a strategic location along Coffey Creek near the American Airlines mainline hangar. This device is serviced frequently and maintained such that potential contaminants are captured and removed from within the waters of Coffey Creek.

Norfolk Southern Railroad's Charlotte Intermodal Facility maintains independent and separate coverage under the CWA NPDES program. It is not on CLT owned or leased property and is not considered part of this SWPPP.

2.4.3 Taggart Creek Basin (Outfalls R23, ANG, Taggart Creek, T-Hangar, 003, Air Cargo, Sentry Post, and 36R)

The Taggart Creek Basin, located on the eastern side of the CLT property, includes 14 minor basin areas which drain to Outfalls R23, ANG, Taggart Creek, T-Hangar, 003, Air Cargo, Sentry Post, and 36R. The main receiving water for these outfalls is Taggart Creek, which runs along Billy Graham Parkway. The total drainage area of the basin is 3,189 acres which consists of 286 acres of impervious surface and 2,903 acres of pervious surface. The main industrial activities conducted in the Taggart Creek Basin are related to the presence and operation of Wilson Air Center (the Airport's Fixed Base Operator) and two associated fuel farms. Industrial activities in the basin include aircraft deicing, fueling, maintenance, sanitary service, and washing; cargo handling; chemical storage; equipment washing, maintenance, and storage; fuel storage; floor washdown; and vehicle fueling, maintenance, and washing; as presented on **Figure 2C**. Potential storm water pollutants from the basin include de-icing fluid, fuel (residues), oil, grease, and detergents.

Aircraft ramp and terminal operations for Wilson Air Center as well as Wilson Air's main fuel farm are located within the FBO minor basin area. The remote fuel farm for Wilson Air is located in the Billy minor basin area. The NCANG, the Army National Guard, and the Charlotte-Mecklenburg Police Department Hangar are also located in the Taggart Creek basin. The NCANG is covered under separate NPDES permits and are not considered part of this SWPPP.

2.4.4 Lake Wylie Basin (Outfalls C, D, E, F, G, H, Danga Lake, K, K West, L, and M)

The western portion of the Airport, developed between 2007 and 2011, is comprised of 30 minor drainage basins, which drain into the Catawba River tributaries and the upper reaches of Lake Wylie in the Beaverdam Creek area (**Figure 2D**). The total drainage area of these basins is 2,545 acres with 109 acres of impervious surface and 2,436 acres of pervious surface. Industrial activities in these basins are limited due to the age of the developed area and the absence of Airport support infrastructure. Activities that have potential to generate stormwater pollution would include the operation of Fire Station No. 41 at 5740-B West Boulevard, located in minor basin H10. The industrial activities at facilities in this basin include chemical, equipment, and fuel storage; equipment and vehicle washing; and vehicle fueling. The activities coincide with the operation of an emergency generator, support fuel tank, and Fire Department training drills. The impervious surface within the drainage area is almost wholly comprised of aircraft taxiway and runway pavement.

2.5 Tenants and Site Activities

As described in Section 1.1, federal regulations governing storm water discharges require that transportation facilities with stormwater discharges associated with industrial activities be covered under an NPDES permit. Tenants and airport-operated facilities that conduct industrial activities at the

airport are listed in **Appendix C, Table 1**. **Appendix D** includes surveys completed in December of 2023 for each tenant conducting industrial activities at CLT.

All tenants and airport-operated facilities conducting industrial activities are required to implement specific Best Management Practices to prevent potential pollutants generated at their facilities from entering the CLT storm drain system, as indicated in BMP #1 provided in **Appendix A**. Elimination of all non-stormwater discharges is also required of these tenants under this program.

Based on the information gathered during the 2023 site evaluation, the following activities have the potential to degrade storm water and are performed at CLT:

- Aircraft Deicing
- Aircraft, Equipment, and Vehicle Maintenance
- Aircraft and Vehicle Fueling
- Aircraft and Vehicle Washing
- Aircraft/Vehicle Painting and Stripping
- Aircraft Sanitary Service
- Chemical and Fuel Storage
- Equipment Degreasing/Washing
- Equipment Storage
- Fabrication
- Fire-Fighting Equipment Testing/Flushing
- Floor Washdown
- Outdoor Apron Washdown
- Pesticide/Herbicide Application
- Runway Rubber Removal

The majority of the tenants perform at least one of the above activities. **Table 2** summarizes the industrial activities conducted at each location, either by the tenants or performed on behalf of that tenant by a contractor.

3 Source Identification

This section describes potential pollutant sources that could result in storm water pollution at CLT. These sources were identified through the use of a Stormwater Pollution Prevention Questionnaire, interviews conducted with each tenant, and site inspections. Interviews and inspections were conducted in October, November, and December of 2023.

3.1 Historical Spills/Leaks

Due to the numerous aircraft and vehicle fueling activities that take place at CLT on a daily basis and the large volume of fuel provided by the Airport (389 million gallons in 2022), spill occurrences are somewhat frequent and are a potential source of stormwater pollution. The NPDES Permit requires a historical profile of spills at CLT that covers the previous three-year period. It is the responsibility of each individual co-permittee at CLT to report spills to the CLT Environmental Manager, so that it can be properly recorded on the 3-year running spill list, and properly reported to the regulatory agencies if required to do so. A spill reporting form is included in **Appendix E**. This form should be completed by the tenant for any spill of a reportable quantity and submitted to the CLT Environmental Manager within 24 hours after the spill is discovered. **Table 3** provides information on known significant spills and leaks that have occurred at CLT over the last 3 years.

3.1.1 Spill Response Procedures

This section describes the cleanup response and protocols to follow in the event of a spill. The uncontrolled discharge of oil or other constituents of concern (COCs) to groundwater, surface water or soil is prohibited by State or Federal laws. CLT tenants and employees that work with, and around potential sources receive annual training to implement spill prevention practices and spill response. CLT personnel shall use knowledge gained during training and rely on spill prevention practices at all times to minimize the potential for a release of COCs. It is imperative that action be taken to respond to a spill once it has occurred. Depending on the volume and characteristics of the material released, CLT has defined spill response as either a “Minor Spill Response” or “Major Spill Response” (“Spill Emergency”).

Each tenant with containers of COCs 55 gallons or greater has been instructed to have a spill response kit located at each tank and drum storage location. The standard spill response equipment (i.e., spill kit) should contain absorbent material (granular absorbent, absorbent pads, absorbent socks) in sufficient quantities to absorb the largest predicted spill, personal protective equipment (PPE), and may additionally contain any of the following:

- Large plastic bags
- Broom
- Dustpan
- Drum
- Temporary drain covers for catch basins in the area (e.g., rubber mat or like product)

Minor Spill Response

A “Minor Spill Response” is defined as one that poses no significant harm to human health or the environment. These spills involve generally less than ten gallons and can usually be cleaned up by CLT personnel. Other characteristics of a minor spill include the following;

- the spilled material is easily stopped or controlled at the time of the spill,
- the spill is localized,
- the spilled material is not likely to reach surface water or groundwater,
- there is little danger to human health, or,
- there is little danger of fire or explosion.

In the event of a minor spill the following guidelines shall apply;

- Stop the source if the spill is ongoing,
- Contain the spill with spill response materials and equipment,
- Place spill debris in properly labeled waste containers, and,
- Complete a *Spill Notification Form* (similar to the one contained in **Appendix E**) and send to the Environmental Manager.

Major Spill Response (Spill Emergency)

A “Spill Emergency” is defined as one involving a spill that cannot be safely controlled or cleaned up without the resources of a professional spill response contractor. Characteristics include one or more of the following;

- the spill is large enough to spread beyond the immediate spill area,
- the spilled material enters surface water or has potential to impact groundwater (regardless of spill size),
- the spill requires special training and equipment to cleanup,
- the spilled material is dangerous to human health or the environment, or,
- there is a danger of fire or explosion.

In the event of a spill emergency, the following guidelines shall apply.

- Stop the source if the spill is ongoing but only if safe to do so. All personnel not directly involved with spill response shall immediately evacuate the spill site and move to a safe distance away from the spill. Notify the appropriate facility, duty, or Airline Ramp Manager and Airport Operations.
- Call for medical assistance if workers are injured (no worker shall engage in rescue operations unless they have been properly trained and equipped).
- Notify Airport Operations (704-359-4012) if the spill is greater than 10 gallons, has entered subsurface conduit, is within 100 feet of a surface water body, or occurs while moderate to heavy rainfall is in progress. The Environmental Manager will notify the NC Emergency Response Commission (800-858-0368) and the National Response Center (800-424-8802) as necessary. Document the telephone calls on the *Spill Notification Form* in **Appendix E**. The Airport Environmental Manager will coordinate the spill response and cleanup.

- Notify the Charlotte Fire Department Battalion Duty Chief, Hazardous Materials cleanup and response team, as appropriate and necessary based on CLT Airport Operations guidelines on spill response. The CFD will co-coordinate the spill response and cleanup with the Environmental Manager.

CLT environmental department personnel will complete and submit a 24-Hour Notification of Discharge Form (UST-62; **Appendix E**) to the North Carolina Department of Environmental Quality - Mooresville Regional Office within 24 hours of discovery of a known or suspected petroleum release. If the Environmental Manager is not available at the time of the spill, an Airport Operations Supervisor or an Operations Officer shall assume responsibility (704-359-4012; 24 hr/day).

CLTs spill notification and communication procedure is included in **Appendix G**

3.2 Potential Pollutants in Storm Water

Pollutants potentially present in storm water discharges were identified based on site inspections, an analysis of the tenant and airport-operated facility questionnaires, and on interviews conducted with each of the tenants. The potential pollutants consist primarily of petroleum products (such as fuels, oil, and greases), solvents, and soap/cleaning fluids. Additional pollutants ~~also~~ present at the airport include;

- anti-freeze,
- propylene glycol (deicing fluid),
- fuel and lubricants,
- herbicides/pesticides,
- lavatory waste,
- oil and grease,
- paint,
- detergents or washwater,
- firefighting agents,
- solvent,
- used batteries,
- laboratory chemicals,
- perfumes/dyes,
- liquid or solid corrosives,
- used vehicle parts,
- parts cleaners,
- sediment.

These pollutants can be transported to the stormwater system as direct spills, from rainfall runoff, or from surface area wash downs that may mobilize residual contaminants.

3.3 Potential Areas of Pollutant Contact

A variety of routine airport activities occur on the leaseholds of CLT. Many of these activities present the potential for stormwater pollutants to be discharged into the storm drain system. The presence of certain potential pollutants may vary due to construction activities and contractor activities. The activities conducted at CLT that have a moderate potential to contribute to storm water pollution are:

- Aircraft Deicing / Anti-Icing;
- Aircraft, Vehicle, and Equipment Maintenance;
- Aircraft, Vehicle, and Equipment Fueling;
- Aircraft, Vehicle, and Equipment Washing;
- Aircraft and Vehicle Painting/Stripping;
- Chemical and Petroleum Storage;
- Floor, Ramp area, or Apron Washdown;
- Pesticide/Herbicide Usage.

These activities are described below and are identified in the Tenant Data Sheets included as **Appendix D. Figures 2A through 2D**, in **Appendix C**, provide locations of potential pollutant contact areas associated with these activities. Section 5 summarizes existing control measures to limit the presence of pollutants in storm water from these activities.

3.3.1 Aircraft Deicing / Anti-Icing

Deicing and anti-icing chemicals are generally used on aircraft to eliminate or minimize the ice build-up on the wings and plane body during cold weather conditions. Currently, a de-icing contractor named *International Deicing Services* (IDS) performs the majority of the deicing activities. Additional deicing is performed by Wilson Air Center. More than 90 percent of all de-icing fluid is used by IDS.

The de-icing fluids used at CLT are two varieties of propylene glycol. The deicing glycol used by IDS is primarily stored in five, 30,000 gallon aboveground storage tanks (ASTs). There is also one 120,000 gallon AST not currently in use that is staged for future development as a capture tank for spent aircraft deicing fluid (ADF). Deicing fluid used by Wilson Air Center is stored in 240 gallon totes. Deicing activities are conducted at designated paved areas including south cargo ramp, Runway 5/23, and Wilson Air Center. These areas are captured in the current Airport Deicing Plan (see **Appendix F**). Over the next two years, CLT intends to shift the majority of this operation to a newly constructed centralized de-icing area along Taxiway F, south of the mainline hangar, located in the Coffey Creek basin. CLT has a centralized deicing fluid storage, blending, and dispensing station located at the end of Express Drive. Deicing fluid is generally applied by spraying the aircraft from a deicing tank-truck with a mixture of hot pressurized water and a glycol-based fluid. The spent ADF (aircraft deicing fluid) spray drains from the aircraft onto the ramp/apron area.

3.3.2 Aircraft, Vehicle, and Equipment Maintenance Areas

The majority of industrial facilities at CLT maintain aircraft, equipment, and/or vehicles. Maintenance activities are performed both indoors and outdoors.

Based on the nature of maintenance activities at airports, materials such as lubricating oils, hydraulic oils, degreasers, and other cleaning products are commonly used during maintenance activities. At the general aviation facilities, waste oils, lubricants, and transmission fluids are accumulated and stored at local collection points prior to transport to disposal or recycling facilities. Small leaks or spills of these materials are not uncommon during maintenance activities. Tenants respond to these leaks and spills

by using absorbent socks, dry absorbent materials, rags, and mops. Maintenance activities represent a low potential for significant pollutant discharge.

Some tenants have floor drains located in maintenance areas. At some of these facilities, the runoff entering the floor drain is conveyed to an oil/water separator before entering the sanitary sewer or stormwater system. At a few facilities, the runoff that discharges through the floor drains discharges directly to the sanitary sewer. Plumbing floor drains connected to the storm drain system is strictly prohibited.

3.3.3 Aircraft, Vehicle, and Equipment Fueling Areas

Aircraft fueling activities are conducted only on paved surfaces such as concrete ramps or at the concourse gates. Vehicle and ground support equipment (GSE) fueling is conducted at the gates or at designated fueling stations. Many facilities conduct vehicle fueling activities.

Aircraft fueling for all cargo and commercial air carriers is handled by the Airport's fueling contractor, Menzies. Aircraft fueling at the general aviation facility is handled by Wilson Air Center.

Fuel spills occur occasionally and based on reported spills over a three year period, approximately 75% of those spills are caused by aircraft fueling operations and the cleanup is managed by Menzies, per contractual agreements. Few spills actually enter the storm drain. Most spills are contained by absorbent materials or are cleaned up using an explosion-proof vacuum truck furnished by Menzies. The procedure for spill reporting is outlined in **Appendix G**. Key approaches to consider during fueling activities are presented on BMP #3 in Appendix E of the NPDES Permit Renewal, included as **Appendix A**.

3.3.4 Aircraft and Vehicle Washing Areas

American Airlines, and certain outside contractors at CLT conduct aircraft washing. This activity is conducted outdoors at facilities equipped with wash racks and oil/water separators which collect the runoff. Additional small craft are washed by contractors within hangars at Wilson Air Center. These washwaters run off to respective oil water separators, then to the sanitary sewer or stormwater system. Aircraft washing occurs within the Coffey Creek and Taggart Creek drainage basins. The use of dry wash methods is recommended by CLT and implemented throughout the facility.

Vehicle washing is also performed at CLT. Most of the wash areas are in locations that contain a wash rack or an oil/water separator that are connected to the sanitary sewer or stormwater system. In 2018, CLT opened a bus washing facility located behind the CLT center building. This modern facility utilizes reduced water technology and water recycling techniques to clean the large fleet of buses needed to move passengers and employees around the CLT campus. Resultant washwaters from this operation are dispensed into the City's POTW sanitary sewer system.

The NPDES permit allows washwater into the storm drain system, but stipulates that detergents used must be biodegradable and the resultant wastewater stream must maintain a pH between 6 and 9 standard units. Additional data regarding these detergents can be provided upon request. Discharge of washwater is permitted at those areas for Outfall 002 and 003. In general, the wash areas appear to be a minimal source of non-storm water discharges to the storm drain system at CLT.

3.3.5 Chemical and Fuel Storage Areas

Facilities at CLT store large quantities of chemicals and petroleum products (i.e. gasoline, diesel, and jet fuels). Many facilities have indoor and outdoor storage areas to house these items. Chemicals, cleaners, and virgin lubricating oils are typically stored in 55 gallon drums or smaller containers. Used oil is typically stored either in aboveground tanks within secondary containment dikes, ~250 gallon totes, or in 55 gallon drums. Fuels and deicing fluid are typically stored in large underground or aboveground storage tanks. Other materials such as cleaners, paints, and paint-related products are stored in smaller containers. Secondary containment is required for liquids other than water stored in bulk at CLT. By definition in the NPDES permit, bulk storage refers to those single containers having a storage capacity of greater than 660 gallons, or a collection of containers located in close proximity to each other and having a combined storage capacity greater than 1,320 gallons. Outdoor spills, leaks, or discharges have a relatively high potential to impact storm water. In these areas, the BMP includes the proper use of secondary containment, and cover if possible. Many of the liquid storage vessels at CLT are utilized and owned by Airport tenants, service providers, and/or contractors. The most up-to-date information concerning bulk chemical storage can be found in the tenant surveys (**Appendix D**).

3.3.5.1 Fuel Farm

A fuel farm containing nine aboveground storage tanks (ASTs) is located on the north side of the airport. The current total shell capacity is 8,892,901 gross gallons of fuel with four 420,000 gallon ASTs, two 1,260,000 gallon ASTs, two 1,561,038 gallon ASTs, and one 1,570,825 gallon AST. The tanks have secondary containment and are connected to an underground hydrant fueling system.

Fueling can be performed at CLT from transfer trucks or directly from the subsurface fuel hydrant system. All delivery trucks are equipped with spill kits. The hydrant system pits are inspected on a daily basis to identify and collect any leaks from fuel transfers. Leaks from fuel transfers that are not immediately cleaned have a moderate potential to impact storm water.

Aside from the Airports main fuel farm (described above), there are nine fuel tank storage and vehicular dispensing stations located at the airport, two being located at Wilson Air Center. Wilson Air Center FBO North shares above ground tanks storage areas with two large tenants, Honeywell and Duke Energy.

The other fueling station locations are operated by CLT, Menzies, and, for the rental car facilities, a contracted facilities management company, Conrac Solutions. These fueling stations are located at Midfield, the CLT Center, T-Point (Concourse E), West Ramp/A North, the Charlotte-Mecklenburg Police Department Helipad, Hourly Parking Deck, and the Remote Rental Car Facility on Rackham Drive. Fuel dispensing and storage locations are shown in **Appendix C, Figure 3**.

3.3.5.2 Ground Support Equipment (GSE)

Areas designated for the storage and maintenance of GSE are located throughout the CLT facility, at the locations listed below. Other liquids such as paint, lubricants, and antifreeze are also stored in these GSE areas. During rain events, any residues (fuel, oil, grease) on the GSE under repair, residues on chemical/waste storage containers, or residuals from chemical spills or leaks in uncovered outdoor storage areas could be potential pollutant sources in stormwater discharges.

- Menzies GSE Shop – 4840-C Express Drive
- Piedmont GSE Shop – 4812 Express Drive
- American Airlines GSE Facility – 4716 Yorkmont Road

- Peak SCS – 4308 Yorkmont Road
- G2 Secure Staff – 5501 Josh Birmingham Parkway- Concourse A
- GAT – 5501 Josh Birmingham Parkway (Maintenance performed at Peak SCS)
- Via Air – 5501 Josh Birmingham Parkway (Maintenance performed at Peak SCS)
- Jetstream – 5501 Birmingham Parkway (Maintenance performed at Peak SCS)
- Alvest Equipment Services – 4821 Express Drive
- Trego Dugan – 4100 Yorkmont Road
- Wilson Air Center – 5400 Airport Drive
- AA Air General Cargo GSE – 4706 Yorkmont Road

The above locations are shown on **Figure 3**.

3.3.6 Apron or Floor Washdown Areas

A CLT contracted vendor performs apron washdowns around select areas surrounding the Main Terminal of the Airport. The contractor utilizes a tenant sweeper to recover wastewater from the process. Some tenants perform floor washdowns. Wastewater from floor washdowns is disposed of through oil/water separators routed to the sanitary sewer or stormwater system. Many facilities utilize motorized self-contained floor cleaning equipment (i.e., Zamboni). Apron and floor washing activities do not appear to represent a significant source of non-storm water discharges to the storm drain system.

3.3.7 Pesticide/Herbicide Usage Areas

Facilities that use pesticides and herbicides generally have them applied by a licensed vendor; Pesticide/herbicide use within the security fence is performed by CLT staff under the supervision of a licensed staff member. These products are used in small quantities according to manufacturer recommended application procedures and stored indoors in small containers. Since the primary use of pesticides/herbicides is upon permeable areas, it is unlikely that significant impacts occur through runoff into the storm drain system.

During rainfall events, pesticide and herbicide residuals that accumulate at the application sites can be washed into the storm drain system. However, based on the small quantities used at the airport, this activity appears to present a low potential for impacting stormwater discharge.

4 Non-Storm Water Discharge Identification

CLT's NPDES permit requires that each storm water outfall be annually evaluated for the presence of non-storm water discharges. Some discharges are allowable including the following.

1. Permit authorized discharges.
2. Uncontaminated groundwater, foundation drains, air-conditioner condensate (without added chemicals), springs, discharges of uncontaminated potable water, waterline and fire hydrant flushings, water from footing drains, flows from riparian habitats and wetlands.
3. Discharges from fire-fighting or fire-fighting training.
4. Spent aircraft de-icing fluids.

Each outfall is evaluated for the presence of non-storm water discharges. The blank certification form and example statement is located in **Appendix E**.

In addition, CLT has implemented a program to ensure that each tenant evaluates for the presence of non-storm water discharges to storm water outfalls. This section describes the assessment of subtle and overt (hard-piped) illicit connections into the storm drain system.

A subtle illicit connection occurs when non-storm water follows an unobstructed pathway into the storm drain system. An overt illicit connection results when a pipeline or other drainage structure is constructed and connected to the storm drain system and non-storm water is discharged into the system. CLT employs the following steps to evaluate the potential existence of both overt and subtle non-storm water discharges at CLT:

- Tenants will be requested to certify that none of their drains, other than storm drains, are connected to the storm drain system (i.e., there are no overt illicit connections). The tenants will also be requested to certify that no non-storm water discharges occur to the storm drain system (i.e., there are no subtle illicit connections). Tenant inspections by CLT personnel will confirm this.
- CLT will conduct site investigations and interviews with each of the tenant facilities to evaluate potential subtle illicit connections.

The non-storm water discharge certification form, presented in **Appendix E**, requires that tenants examine their facilities for potential non-storm water discharges (subtle illicit connections). The form requests a signature certifying the following statement:

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.

5 Storm Water Management Plan

CLT has an FAA approved Future Airport Layout Plan (ALP) for future plans associated with expansion of the property and operations of the airport. As a comprehensive program for stormwater management associated with proposed development and new construction projects, CLT developed a Storm Water Master Plan (SWMP) for CLT FY2017-FY2022 Capital Improvement Plan Projects (CIPs) dated September 2018, to evaluate and address Water Quality and Detention requirements for future projects identified in the ALP. The SWMP provides plans for addressing construction and non-industrial sources of pollutants in an overall watershed plan prepared by HDR Engineering. An updated SWMP is currently being prepared, but as of the date of this SWPPP is not yet available. A copy of the most current approved SWMP is available in the CLT Environmental Library.

Management of activities, procedures and operations, pollution sources and containment practices can reduce the potential for pollution to enter storm water. A storm water Best Management Practice (BMP) is defined as any program, technology, process, citing criteria, operating method, measure, or device that controls, removes, or reduces pollution. The NPDES Permit requires the development and implementation of BMPs to address pollutants originating from industrial sources. Appropriate BMPs are selected for industrial facilities based on facility-provided information and site inspections. Areas of actual or potential pollutant contact are evaluated and applicable BMPs are implemented to eliminate or limit storm water pollution.

5.1 Feasibility Study

CLT is required by their NPDES permit to evaluate the technical and economic feasibility of changing the methods of operations and/or storage practices to eliminate or reduce exposure of materials and processes to storm water. All tenants were given a survey to complete regarding operations and practices applicable to storm water issues. From the surveys, the BMPs utilized were compiled for each tenant and each operation. BMPs that could practicably be implemented for each operation or activity were selected based on the technical and economic feasibility of implementing the practices, taking into consideration operational as well as resource limitations.

CLT tenants perform industrial activities related directly to aviation, such as aircraft fueling operations, and maintenance, as well as general industrial activities such as vehicle maintenance and equipment storage. Section 3 (Source identification) describes the types of activities and potential pollutants that may affect water quality of storm water runoff. The potential pollutants most commonly cited were petroleum products (such as fuels, oil, and greases), solvents, and soap/cleaning fluids. Other potential pollutants cited include, from most prevalent to least prevalent, anti-freeze, deicing chemicals, lavatory waste, paint, used batteries, herbicides, adhesives, sealants, hydraulic fluid, runoff from solid waste containers, and pesticides. BMPs were selected based on the types of industrial activity conducted at the airport as well as the potential pollutants.

5.2 Best Management Practices (BMPs)

Using information gathered during site visits and from tenant responses to the SWPPP questionnaire, BMPs were identified for each facility. Each tenant inspection data sheet presented in **Appendix D** identifies BMPs that must be implemented by each facility based on their corresponding activities. Low-cost source control BMPs are included as well as treatment control BMPs such as oil/water separators. **Table 4** summarizes the 18 BMPs that are described in **Appendix A** and lists the activities completed

by each of the tenants. The BMPs are listed below. Detailed descriptions of each of these BMPs is provided in Appendix E of the NPDES Permit Renewal (**Appendix A**).

- Elimination of Non-Storm Water Discharges to Storm Drain
- Aircraft, Vehicle, and Equipment Maintenance
- Aircraft, Vehicle, and Equipment Fueling
- Aircraft, Vehicle, and Equipment Washing, Cleaning and Degreasing
- Aircraft Deicing / Anti-Icing
- Outdoor Waste and Material Handling
- Outdoor Storage of Waste and Materials
- Waste/Garbage Handling and Disposal
- Building and Grounds Maintenance
- Storm Water Pollution Prevention Education
- Lavatory Service Operations
- Outdoor Washdown/Sweeping
- Fire-Fighting Foam Discharge
- Potable Water System Flushing
- Runway Rubber Removal
- Oil/Water Separators
- Emergency Spill Cleanup Plans
- Airfield Pavement Deicing/Anti-Icing

5.2.1 CLT Provided BMPs

CLT contractors currently provide the following services, which are designed to minimize non-storm water pollution discharges, for tenants;

- Utilization of designated disposal containers and collection services for waste oil and solvents generated, and,
- Utilization of portable vacuum truck to support spill recovery.

CLT provides disposal containers at designated locations for small amounts of waste oil and solvent. These containers are conveniently located and clearly marked to minimize the potential of improper disposal of waste.

For accidental spills of fuels and other liquids, CLT contracts a waste management company to provide a portable vacuum that is capable of quickly recovering large amounts of fuel. Spill pads are required to be kept on hand for some tenants but can also be provided by a contractor in an emergency. Tenants are expected to contain spills and report them to CLT. After each spill, the responsible party is identified and, if found negligent, can be disciplined after a review of available facts.

5.2.2 Good Housekeeping and Preventative Maintenance Program

CLT developed the following good housekeeping BMPs to reduce the potential for storm water pollution. The good housekeeping program is applicable to CLT and all tenants at CLT.

5.2.2.1 Operation and Maintenance Activities

- Floors and ground surfaces should be kept clean and dry by using brooms, shovels, vacuum cleaners, or cleaning machines.
- Garbage and waste material should be regularly picked up and properly disposed of.

- Outdoor waste receptacles should be covered, if possible.
- All spillages should be promptly removed. Spill cleanup kits and supplies should be maintained onsite and be readily available.
- All drums used for garbage disposal must be labeled “Trash” or “FOD”.
- Periodic inspections of all areas should occur semi-annually to ensure that good housekeeping practices are being followed.
- In maintaining the grounds, personnel may apply fertilizer to vegetation on the facility grounds although this is a potential pollutant; however, fertilizer **should be** applied so as not to exceed the amount recommended for use.

5.2.2.2 Bulk Storage

- Containers of material should be stored away from direct traffic routes to prevent accidental spills.
- Containers of bulk storage liquids should never be situated on top of or adjacent to stormwater trench drains, drop inlets, or curb inlets.
- Materials should be stored indoors or under cover, if possible.
- Containers must be stored in a neat and orderly fashion.
- Labels are to be present on all liquid storage vessels.
- Containers should be stacked according to manufacturers’ instructions.
- Containers and tanks should be routinely inspected for leaks and damage.
- Spills kits including absorbent materials should be provided near material storage/usage.

The importance of these practices should be emphasized through personnel training.

5.3 Secondary Containment and Storm Water Release Procedures

Secondary containment is required for bulk storage of liquid materials, storage of Superfund Amendments and Reauthorization Act (SARA) 313 water priority chemicals, and hazardous materials to prevent leaks and spills from contaminating storm water runoff. The permit defines bulk storage of liquid products as liquid raw materials, manufactured products, waste materials or by-products with a single above ground storage container having a capacity of greater than 660-gallons or with multiple above ground storage containers located in close proximity to each other having a total combined storage capacity of greater than 1,320-gallons. If the secondary containment devices are connected directly to storm water conveyance systems, the connection should be controlled by manually activated valves or other similar devices, and storm water that accumulates in the containment area shall be visually observed prior to release of the accumulated storm water. The storm water may only be released if found to be uncontaminated. Records documenting the details of the release are kept for a period of five years. A blank storm water release form is included in **Appendix E**. A memo summarizing the policy and procedures for control of liquid discharges from secondary containment structures has been provided to tenants and is discussed in the annual SWPPP training held in late fall. A copy of the memo is presented in **Appendix E** with the Storm Water Release Form. Completed storm water release forms are filed by the responsible tenant.

Currently, all bulk liquid storage at CLT has secondary containment. It is required that a secondary containment system that meets all applicable regulatory requirements be included in the design for the construction of any new bulk chemical storage at CLT.

5.4 Spill Prevention

CLT's NPDES permit requires that a Spill Prevention and Response Plan (SPRP) be included as part of this SWPPP, a copy of the SPRP is provided in **Appendix H**. CLT's Spill Prevention, Control and Countermeasure Plan (SPCC), dated November 2023, is available under separate cover in the CLT Environmental Library. The primary person responsible for the implementation of the Spill Prevention and Response Plan is the CLT Environmental Manager. In addition to the SPCC requirements of 40 *Code of Federal Regulations* (CFR) 112, all oil storage containers are subject to spill prevention and control strategies unless specifically excluded. Spill prevention control strategies for bulk stored products are summarized below.

- Secondary containment should be provided for each bulk storage container of 660 gallons, or grouping of containers 55 gallons or greater, where the total capacity of the group is equal to 1,320 gallons. The containment provided for each container should equal the volume of a single container or largest container in a group plus the volume of the 25-year, 24-hour rain event.
- The CLT Airport main fuel farm stores petroleum fuels in large capacity (over 1,000,000 gallons) and is subject to the requirements EPA's Title 40 CFR Section 112 for facility response plans (FRP).
- Aboveground fuel storage tanks are equipped with an overfill protection alarm to prevent inadvertent spills during filling. Currently, visual monitoring is conducted during transfer operations.
- Tanks, valves, hoses, pumps, piping, and safety devices will be properly maintained and kept in good operating condition.
- The storage tanks will be subject to a periodic visual inspection by the owner/operator (tank supports, foundations, and containment areas are included in these inspections). The outside of the tanks also will be observed frequently by operating personnel for signs of deterioration, leaks that might lead to a spill, or accumulation of product inside of the containment area.
- Commercial carriers will follow the correct procedures when unloading or loading product and must maintain visual contact with their equipment at all times. Drip pans should be used to collect minor spills and hose product.
- All used oil containers should be marked with the words "USED OIL."

In the event of a spill within or outside of a containment area, CLT or tenant personnel will take the countermeasure actions necessary to stop the flow of the spill as quickly as possible and should verify that no product is leaking from the containment area. If necessary, CLT or tenant personnel will capture free product by using a suitable absorbent material. The contaminated absorbent material will be removed and disposed of per applicable environmental requirements. A suitable amount of absorbent material will be stored at appropriate locations at CLT.

If a spill occurs, the tenant representative is responsible for the following;

- Identify the location and magnitude of the release,
- Provide a list of the quantity of materials believed to have been released,
- Identify the areas onsite and offsite that may have been affected (including receiving waters), and,
- Institute immediate action to contain a release.
- Notify Airport Operations or Environmental Manager if the spill is greater than 10 gallons, has entered subsurface conduit, is within 100 feet of a surface water body, or occurs while moderate to heavy rainfall is in progress.

The Spill Notification Procedure is included in **Appendix G**. The Reportable Spill Information Form, presented in **Appendix E**, must be used to document a spill. The completed form should be filed in the CLT Environmental Library.

5.5 Training

CLT conducts annual SWPPP training for all co-permittees. These members in turn must train their own internal staff. Training covers items such as discussion of annual inspection results, implementation of BMPs, BMP updates and record-keeping procedures.

CLT will provide training to all tenants and airport operated facility personnel on an annual basis and requires SWPPP training for all tenant occupants who perform industrial activities, or, have the potential to adversely impact the storm water drainage system. The training program implementation, including tenant participation, will be thoroughly documented.

The training documentation form, presented in **Appendix E**, will be completed for each training session and filed in the CLT Environmental Library.

6 Inspections, Monitoring, and Recordkeeping

6.1 SWPPP Inspections

Formal, comprehensive, facility inspections are completed on a semi-annual basis, once in the first half of the year (January to June) and once during the second half (July to December), with at least 60 days between inspections. The inspection and any subsequent maintenance activities are documented, recording date of inspection, individual making the inspections, and a narrative description of the facility's storm water control systems, plant equipment, and systems. Records of these inspections shall be incorporated into this SWPPP. A blank tenant inspection form is included in **Appendix E**. Completed tenant inspection forms from this SWPPP update process are included in **Appendix D**. Updates to existing documents require filling out and dating a new form for tenants and/or monitoring forms.

6.2 Qualitative Monitoring

Since the NPDES Permit was reissued in 2011, the airport has monitored 26 basin outfalls. Seven outfalls are sampled on a regular basis and the samples analyzed for various constituents of concern. A total of 26 basins are assessed visually for water quality parameters such as color, odor, clarity, solids, foam, erosion or deposition, and visible sheen. Qualitative monitoring is performed semi-annually. The observations are completed during a measurable storm event. A semi-annual inspection form is presented in **Appendix E**. Completed inspection forms are filed in the CLT Environmental Library.

6.3 Sampling and Analysis

CLT's NPDES permit requires analytical testing at seven outfalls including 001,002, 003, F, H, K and 004. Outfall 004 is an in-stream upgradient monitoring point. Routine sampling and monitoring is required at each outfall. The complete list of monitoring requirements is included in the NPDES permit (**Appendix A**). The permit includes a summary of the qualitative and quantitative sampling required for each outfall, including discharge limits and test frequency.

Analytical results must be reported monthly for Outfall 001, and quarterly for all others, on a Discharge Monitoring Report (DMR) form, postmarked no later than the 30th day following the completed reporting period for outfall 001, or within 30 days of receipt of analytical data (all others). The DMRs are signed by the Operator in Responsible Charge (ORC) for the sampling site and/or the permittee (or a delegated signatory authority) and submitted to the NCDEQ Central Files office in Raleigh, North Carolina.

For each sample collected, the following information is recorded;

- Date, location, and time of sampling or measurement;
- Individual performing the sampling or measurement;
- Date analyses were performed;
- Individual who performed the analysis;
- Analytical techniques or methods used; and,
- Results of such analyses.

6.4 Glycol Usage

The amount of glycol dispensed each month for aircraft de-icing/anti-icing activities is reported to the CLT Environmental Manager. This data is recorded and must be submitted to DWQ on an annual basis

with the May monthly DMR for outfall 001, for the previous winter season. A glycol usage form is included in **Appendix E**. Historical information on glycol usage is kept by the CLT Environmental Manager.

6.5 Recordkeeping

This SWPPP requires documentation of;

- Monitoring,
- Measurements,
- Inspections,
- Maintenance Activities,
- Training, and,
- Activities taken to implement BMPs.

All required documentation is kept onsite for a period of five years and made available to the regulatory agency NCDEQ upon request.

6.6 SWPPP

This plan will be amended whenever there is a change in design, construction, operation or maintenance which has a significant effect on the potential for the discharge of pollutants to surface waters. The SWPPP at a minimum will be reviewed and updated annually. Any necessary revisions to the SWPPP, based on the facility inspections, will be documented and incorporated following the annual review. Individual tenants and airport personnel are required to notify the CLT Environmental Manager as early as feasible when contemplating any such changes. The SWPPP may also be modified if certain BMPs are shown to be ineffective in achieving the general objective of controlling pollutants in storm water.

Appendix A

CLT NPDES Permit & December 2014 Permit Renewal Application



North Carolina Department of Environment and Natural Resources

Division of Water Quality

Coleen H. Sullins

Director



Beverly Eaves Perdue
Governor

Dee Freeman
Secretary

October 24, 2011

Mr. Jimmy D. Jordan, PG
Charlotte Douglas International Airport
P.O. Box 19066
Charlotte, NC 28219

Subject: Issuance NPDES Permit NC0083887
Charlotte/Douglas International Airport
Mecklenburg County

Dear Mr. Jordan:

In response to your renewal application for continued coverage under NPDES wastewater and stormwater permit NC0083887, the Division of Water Quality (Division) is forwarding herewith the subject state - NPDES permit. This permit is issued pursuant to the requirements of North Carolina General Statute 143-215 .1 and the Memorandum of Agreement between North Carolina and the U.S. Environmental Protection Agency dated October 15, 2007 (or as subsequently amended).

This final permit includes the following changes from the draft permit sent to you on August 10, 2011.

1. The qualitative monitoring strategy has been reduced to twice per year during any measurable storm event. Note that all outfalls do not have to be monitored at the same event; as long as each outfall is visually monitored twice during each monitoring year.
2. The Division has not modified the 50 NTU benchmark for turbidity. Please note that turbidity is a stream standard that cannot be violated in-stream. We are open to background sampling of the streams up and downstream of the facility to determine *in-stream* background levels. However, sampling other offsite city-owned properties would not be helpful as suggested in your comments. Turbidity is completely based on site specific land cover and activities in the contributing drainage area.
3. The deicing sampling strategy remains the same as in the draft permit. Please note that the amount of sampling was already reduced from what was proposed in the earlier pre-notice draft. Also, after a few years of deicing data have been collected, you have the option to petition the Division to reduce/modify the permit and monitoring requirements.
4. Ethylene glycol has been added to the parameters to be sampled for during deicing events. This is based on sampling data from the county that detected ethylene glycol downstream of the facility in Coffey Creek. Though the airport has stated you do not use ethylene glycol in official deicing operations, there is the potential that it is from one of the tenants onsite.
5. Vehicle washwater discharges are addressed in the Special Conditions, Part VI, page 11. The Division understands that CDIA is considering the construction of a washing facility for buses, tractors and other large airport equipment which would provide a recycling system for the wash wastewaters. While this permit allows for wastewaters to be discharge from Outfalls 002 & 003 provided BMPs are adhered too, most professional cleaning operations recycle, treat, and or direct such wastewaters to gravel or grassy areas so no discharge to a stream occurs. Moving towards this end is best for the environment and the Division strongly supports the construction of such a facility.

Mr. Jimmy D. Jordan, PG
CDIA
Permit No. NC0083887

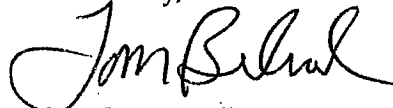
Please note that failure to complete the monitoring as required is a violation of the permit and any permit noncompliance constitutes a violation of the Clean Water Act. Reference Part III, Section A, Item 2 "Duty to Comply", Item 9 "Penalties for Tampering" and Item 10 "Penalties for Falsification of Reports" of your permit for further information.

If any parts, measurement frequencies or sampling requirements contained in this permit are unacceptable to you, you have the right to an adjudicatory hearing upon written request within thirty (30) days following receipt of this letter. This request must be in the form of a written petition, conforming to Chapter 150B of the North Carolina General Statutes, and filed with the Office of Administrative Hearings, Post Office Drawer 27447, Raleigh, North Carolina 27611 -7447. Unless such demand is made, this decision shall be final and binding.

Please take notice this permit is not transferable. Part III, B.2. addresses the requirements to be followed in case of change in ownership or control of this discharge. This permit does not affect the legal requirements to obtain other permits which may be required by the Division of Water Quality or permits required by the Division of Land Resources, Coastal Area Management Act or any other Federal or Local governmental permit that may be required.

If you have any questions or comments concerning this permit, contact Julie Grzyb at (919) 807-6389 or julie.grzyb@ncdenr.gov; or Robert Patterson at (919) 807-6375 or robert.patterson@ncdenr.gov.

Sincerely,



for Coleen H. Sullins, Director

cc: Mooresville Regional Office, Water Quality Section
Charlotte-Mecklenburg Stormwater Services
Mecklenburg County DWR, Groundwater & Wastewater Services, ecopy
Mike Mitchell, EPA Region IV
DWQ Environmental Science Section, Cindy Moore, ecopy
TACU, James Pugh, ecopy
NPDES Wastewater Complex Permitting Unit
Stormwater Permitting Unit
~~Central Files~~

Attachments

STATE OF NORTH CAROLINA
DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES
DIVISION OF WATER QUALITY

PERMIT

TO DISCHARGE WASTEWATER & STORMWATER UNDER THE
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM

In compliance with the provisions of North Carolina General Statute 143-215.1, other lawful standards and regulations promulgated and adopted by the North Carolina Environmental Management Commission, and the Federal Water Pollution Control Act, as amended,

City of Charlotte

is hereby authorized to discharge wastewater and stormwater from a facility located at


Charlotte/Douglas International Airport
5501 Josh Birmingham Parkway
Charlotte, NC
Mecklenburg County

to receiving waters designated as UT to Ticer Branch, Coffey Creek, UT to Taggart Creek, Little Paw Creek, and UT to Beaverdam Creek, class C streams, and UT to Catawba River, class WS-IV; B stream, all in the Catawba River Basin, in accordance with the discharge limitations, monitoring requirements, and other conditions set forth in Parts I, II, III, IV, V and VI hereof.

This permit shall become effective December 1, 2011.

This permit and the authorization to discharge shall expire at midnight on June 30, 2015.

Signed this day October 24, 2011.



for Coleen H. Sullins Director
Division of Water Quality
By the Authority of the Environmental Management Commission

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PART V ADMINISTERING AND COMPLIANCE MONITORING FEE
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PART VI DEFINITIONS

PART VI SPECIAL CONDITIONS

Section A. Acute Toxicity Monitoring

Section B. Annual CDIA Summary on Total Glycol and Urea Usage

Section C. Vehicle, Equipment, and/or Aircraft Washing

PART I INTRODUCTION

All previous NPDES Permits issued to this facility, whether for operation or discharge are hereby revoked, and as of this issuance, any previously issued permit bearing this number is no longer effective. Therefore, the exclusive authority to operate and discharge from this facility arises under the permit conditions, requirements, terms, and provisions included herein.

SECTION A: INDIVIDUAL PERMIT COVERAGE

During the period beginning on the effective date of the permit and lasting until expiration, the permittee is authorized to discharge wastewater and stormwater associated with industrial activity. Such discharges shall be controlled, limited and monitored as specified in this permit. Discharges covered in this permit are the wastewater and stormwater discharges from the current airport operations (001 through 066) as well as additional stormwater discharge points that may be created by further modification or expansion of airport operations.

SECTION B: PERMITTED ACTIVITIES

Until this permit expires or is modified or revoked, the permittee is authorized to discharge wastewater from Outfall 001 and stormwater to the surface waters of North Carolina or separate storm sewer system that has been adequately treated and managed in accordance with the terms and conditions of this individual permit. All wastewater and stormwater discharges shall be in accordance with the conditions of this permit.

The point source discharge from Outfall 001 is treated stormwater and is considered to be a wastewater discharge after it is treated (oil/water separator, GAC canisters) and discharged (Outfall 001) from the Jet Fuel Tank Farm. The EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS for Outfall 001 are listed under Part II Section E. (1) & (2) of this permit.

Any other point source discharge to surface waters of the state is prohibited unless it is an allowable non-stormwater discharge or is covered by this or another permit, authorization, or approval.

Wastewater and Stormwater discharges allowed by this individual permit shall not cause or contribute to violations of Water Quality Standards.

This permit does not relieve the permittee from responsibility for compliance with any other applicable federal, state, or local law, rule, standard, ordinance, order, judgment, or decree.

Tenant List

Air Service International Group (ASIG)	LSG Sky Chefs
Air Canada	Lufthansa German Airlines
AirTran	MedCenter Air
Airport Terminal Services	Mesa Hangar
Air General	National/Alamo Car Rental
American Airlines	NC Army National Guard
American Eagle	Piedmont Airlines GSE
Army National Guard Field Maintenance Service	Piedmont Catering
Avis Budget Group	PremAir Aviation Services
Bank of America	PSA Maintenance
City of Charlotte – CLT Center	Roush Air
Carolinas Historic Aviation Commission and Museum	Sonic Aviation
Carolina Aircraft Services	Southeastern Airmotive Corp
Charlotte-Douglas International Airport – CLT Center	SPX Hangar
Charlotte-Mecklenburg Police Department (CMPD) Aviation	United Airlines
Coca-Cola Aviation	United Parcel Service
Continental Airlines	UPS Chain Solutions
Delta Air Lines	US Airways
Delta Global Services	US Airways Base Maintenance Facility
DHL	US Airways Cargo
Dollar Thrifty Automotive Group, Inc.	US Airways Catering
Duke Energy	US Airways Engine Shop
Enterprise Car Rental	US Airways Express
Family Dollar	US Airways GSE Maintenance Facility
Federal Express	US Airways Line Maintenance Facility
Ground Aviation Terminal (GAT)	Vanguard Car Rental
Hertz Car Rental	Wilson Air Center
HMS Host	Worldwide Flight Services
JetBlue Airways	Worldwide Flight Services GSE
JetStream Ground Services, Inc.	

SECTION C: LOCATION MAP

Permit No. NC0083887



NC0083887



City of Charlotte

Charlotte Douglas International Airport

Latitude: 35° 13' 47" N

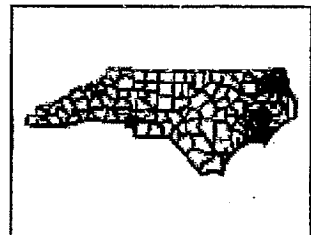
Longitude: 80° 55' 57" W

County: Mecklenburg

Receiving Stream: UT to Tiger Br./Coffey Crk./UT to Taggart Crk./UT to Catawba R./Little Paw Crk./UT to Beaverdam Crk.

Stream Class: C / C / C / WSA, B / C / C

Sub-basin: 03-08-34 (Catawba River Basin)



Facility Location

PART II MONITORING, CONTROLS, AND LIMITATIONS FOR PERMITTED DISCHARGES

SECTION A: STORMWATER POLLUTION PREVENTION PLAN

The Permittee shall develop a Stormwater Pollution Prevention Plan, herein after referred to as the Plan. This Plan shall be considered public information in accordance with Part III, Standard Conditions, Section E, Paragraph 3 of this individual permit. The Plan shall include, at a minimum, the following items:

1. **Site Plan.** The site plan shall provide a description of the physical facility and the potential pollutant sources which may be expected to contribute to contamination of stormwater discharges. The site plan shall contain the following:
 - (a) A general location map (USGS quadrangle map or appropriately drafted equivalent map), showing the facility's location in relation to transportation routes and surface waters, the name of the receiving water(s) to which the stormwater outfall(s) discharges, or if the discharge is to a municipal separate storm sewer system, the name of the municipality and the ultimate receiving waters, and accurate latitude and longitude of the point(s) of discharge. The general location map (or alternatively the site map) shall identify whether each receiving water is **impaired** (on the state's 303(d) list of impaired waters) or is located in a **watershed for which a TMDL has been established**, and what the parameter(s) of concern are.
 - (b) A narrative description of storage practices, loading and unloading activities, outdoor process areas, dust or particulate generating or control processes, and waste disposal practices. A narrative description of the potential pollutants which could be expected to be present in the stormwater discharge from each outfall.
 - (c) A site map drawn to scale (including a distance legend) showing: the site property boundary, the stormwater discharge outfalls, all on-site and adjacent surface waters and wetlands, industrial activity areas (including storage of materials, disposal areas, process areas, loading and unloading areas, and haul roads), site topography, all drainage features and structures, drainage areas for each outfall, direction of flow in each drainage area, industrial activities occurring in each drainage area, buildings, existing BMPs, and impervious surfaces. The site map must indicate the percentage of each drainage area that is impervious.
 - (d) A list of significant spills or leaks of pollutants that have occurred at the facility during the three (3) previous years and any corrective actions taken to mitigate spill impacts.

- (e) Certification that the stormwater outfalls have been evaluated for the presence of non-stormwater discharges. The certification statement will be signed in accordance with the requirements found in Part III, Standard Conditions, Section B, Paragraph 3. The permittee shall re-certify annually that the stormwater outfalls have been evaluated for the presence of non-stormwater discharges.
2. Stormwater Management Plan. The stormwater management plan shall contain a narrative description of the materials management practices employed which control or minimize the exposure of significant materials to stormwater, including structural and nonstructural measures. The stormwater management plan, at a minimum, shall incorporate the following:
- (a) Feasibility Study. A review of the technical and economic feasibility of changing the methods of operations and/or storage practices to eliminate or reduce exposure of materials and processes to stormwater. Wherever practical, the permittee shall prevent exposure of all storage areas, material handling operations, and manufacturing or fueling operations. In areas where elimination of exposure is not practical, the stormwater management plan shall document the feasibility of diverting the stormwater runoff away from areas of potential contamination.
 - (b) Secondary Containment Requirements and Records. Secondary containment is required for: bulk storage of liquid materials; storage in any amount of Section 313 of Title III of the Superfund Amendments and Reauthorization Act (SARA) water priority chemicals; and storage in any amount of hazardous substances, in order to prevent leaks and spills from contaminating stormwater runoff. A table or summary of all such tanks and stored materials and their associated secondary containment areas shall be maintained. If the secondary containment devices are connected to stormwater conveyance systems, the connection shall be controlled by manually activated valves or other similar devices (which shall be secured closed with a locking mechanism), and any stormwater that accumulates in the containment area shall be at a minimum visually observed for color, foam, outfall staining, visible sheens and dry weather flow, prior to release of the accumulated stormwater. Accumulated stormwater shall be released if found to be uncontaminated by any material. Records documenting the individual making the observation, the description of the accumulated stormwater, and the date and time of the release shall be kept for a period of five years.
 - (c) BMP Summary. A listing of site structural and non-structural Best Management Practices (BMP) shall be provided. The installation and implementation of BMPs shall be based on the assessment of the potential for sources to contribute significant quantities of pollutants to stormwater discharges and data collected through monitoring of stormwater discharges. The BMP Summary shall include a written record of the specific rationale for installation and implementation of the selected site BMPs. The BMP Summary shall be reviewed and updated annually.

3. **Spill Prevention and Response Plan.** The Spill Prevention and Response Plan (SPRP) shall incorporate an assessment of potential pollutant sources based on a materials inventory of the facility. Facility personnel (or the team) responsible for implementing the SPRP shall be identified in a written list incorporated into the SPRP and signed and dated by each individual acknowledging their responsibilities for the plan. A responsible person shall be on-site at all times during facility operations that have the potential to contaminate stormwater runoff through spills or exposure of materials associated with the facility operations. The SPRP must be site stormwater specific. Therefore, an oil Spill Prevention Control and Countermeasure plan (SPCC) may be a component of the SPRP, but may not be sufficient to completely address the stormwater aspects of the SPRP. The common elements of the SPCC with the SPRP may be incorporated by reference into the SPRP.
4. **Preventative Maintenance and Good Housekeeping Program.** A preventative maintenance and good housekeeping program shall be developed. The program shall list all stormwater control systems, stormwater discharge outfalls, all on-site and adjacent surface waters and wetlands, industrial activity areas (including material storage areas, material handling areas, disposal areas, process areas, loading and unloading areas, and haul roads), all drainage features and structures, and existing structural BMPs. The program shall establish schedules of inspections, maintenance, and housekeeping activities of stormwater control systems, as well as facility equipment, facility areas, and facility systems that present a potential for stormwater exposure or stormwater pollution. Inspection of material handling areas and regular cleaning schedules of these areas shall be incorporated into the program. Timely compliance with the established schedules for inspections, maintenance, and housekeeping shall be recorded in writing and maintained in the SPPP.
5. **Employee Training.** Training programs shall be developed and training provided at a minimum on an annual basis for facility personnel with responsibilities for: spill response and cleanup, preventative maintenance activities, and for any of the facility's operations that have the potential to contaminate stormwater runoff. Facility personnel (or team) responsible for implementing the training shall be identified, and their annual training shall be documented by the signature of each employee trained.
6. **Responsible Party.** The Stormwater Pollution Prevention Plan shall identify a specific position(s) responsible for the overall coordination, development, implementation, and revision to the Plan. Responsibilities for all components of the Plan shall be documented and position assignments provided.
7. **Plan Amendment.** The permittee shall amend the Plan whenever there is a change in design, construction, operation, or maintenance which has a significant effect on the potential for the discharge of pollutants to surface waters. **All aspects of the Stormwater Pollution Prevention Plan shall be reviewed and updated on an annual basis.** The annual update shall include an updated list of significant spills or leaks of pollutants for the previous three years, or the notation that no spills have occurred. The annual update shall include written re-certification that the stormwater outfalls have been

evaluated for the presence of non-stormwater discharges. Each annual update shall include a documented re-evaluation of the effectiveness of the BMPs listed in the BMP Summary of the Stormwater Management Plan.

The Director may notify the permittee when the Plan does not meet one or more of the minimum requirements of the permit. Within 30 days of such notice, the permittee shall submit a time schedule to the Director for modifying the Plan to meet minimum requirements. The permittee shall provide certification in writing (in accordance with Part III, Standard Conditions, Section B, Paragraph 3) to the Director that the changes have been made.

8. **Facility Inspections.** Inspections of the facility and all stormwater systems shall occur as part of the Preventative Maintenance and Good Housekeeping Program at a minimum on a semi-annual schedule, once during the first half of the year (January to June), and once during the second half (July to December), with at least 60 days separating inspection dates (unless performed more frequently than semi-annually). These facility inspections are different from, and in addition to, the stormwater discharge characteristic monitoring required in Part II B and C of this permit.
9. **Implementation.** The permittee shall implement the Plan. Implementation of the Plan shall include documentation of all monitoring, measurements, inspections, maintenance activities, and training provided to employees, including the log of the sampling data and of actions taken to implement BMPs associated with the industrial activities, including vehicle maintenance activities. Such documentation shall be kept on-site for a period of five years and made available to the Director or the Director's authorized representative immediately upon request.

SECTION B: STORMWATER DISCHARGE OUTFALL – ROUTINE ANALYTICAL MONITORING REQUIREMENTS

Routine analytical monitoring of stormwater discharges shall be performed at each selected representative stormwater discharge outfall (SDO), as noted in **Table 1**, and as specified in **Table 2**. All routine analytical monitoring shall be performed during a measurable storm event.

Table 1. Representative Outfall Identification

002	R-23, Sentry Post, Runway 36R, Q, and R
003	Air Cargo
F	A, B, C, D, and E
H	G and Danga Lake
K	K West, L, and M
004	In-stream Background Station (located in Coffey Creek upstream of the CDJA facility, just south of Wilkinson Blvd.)

A measurable storm event is a storm event that **results in an actual discharge** from the permitted site outfall. The previous measurable storm event must have been at least 72 hours prior. The 72-hour storm interval does not apply if the permittee is able to document that a shorter interval is representative for local storm events during the sampling period, and obtains approval from the local DWQ Regional Office. *See definitions for more information.*

Table 2. Routine Analytical Monitoring Requirements at Representative SDO Outfalls

Parameter Characteristics	Units	Measurement Frequency	Sample Type	Sample Location
Total Suspended Solids	mg/L	Quarterly	Grab	SDO
Biochemical Oxygen Demand	mg/L	Quarterly	Grab	SDO
Chemical Oxygen Demand	mg/L	Quarterly	Grab	SDO
TPH / Non-polar Oil & Grease [EPA Method 1664 (SGT-HEM)]	mg/L	Quarterly	Grab	SDO
Detergents (MBAS)	mg/L	Quarterly	Grab	SDO
Turbidity	NTU	Quarterly	Grab	SDO
NH ₃ -Nitrogen	mg/L	Quarterly	Grab	SDO
NO ₃ +NO ₂ -Nitrogen	mg/L	Quarterly	Grab	SDO
Nitrogen, Total	mg/L	Quarterly	Grab	SDO
Phosphorus, Total	mg/L	Quarterly	Grab	SDO
pH	standard	Quarterly	Grab	SDO
Total Rainfall ⁴	inches	Quarterly	Rain Gauge	-

Footnotes:

- 1 Measurement Frequency: Four times per year (once per quarter) during a representative storm event.
- 2 Grab sample collection shall begin within the first 30 minutes of discharge or as soon thereafter as reasonably possible and shall be completed as expeditiously as practicable.
- 3 Sample Location: Samples shall be collected at each representative stormwater discharge outfall (SDO) as specified in Table 1.
- 4 For each sampled measurable storm event the total precipitation must be recorded. An on-site rain gauge or local rain gauge reading must be recorded.

The permittee shall complete the minimum twenty (20) analytical samplings in accordance with the schedule specified below in Table 3. A minimum of 30 days must separate sample dates unless monthly monitoring has been instituted under a Tier Two response.

Table 3. SDO Monitoring Schedule

Sampling Period	Sample Number	Start Date	End Date
Year 1 – Period 1	1	November 1, 2011	December 31, 2011
Year 1 – Period 2	2	January 1, 2012	March 31, 2012
Year 1 – Period 3	3	April 1, 2012	June 30, 2012
Year 1 – Period 4	4	July 1, 2012	September 30, 2012
Year 2 – Period 1	5	October 1, 2012	December 31, 2012
Year 2 – Period 2	6	January 1, 2013	March 31, 2013
Year 2 – Period 3	7	April 1, 2013	June 30, 2013
Year 2 – Period 4	8	July 1, 2013	September 30, 2013
Year 3 – Period 1	9	October 1, 2013	December 31, 2013
Year 3 – Period 2	10	January 1, 2014	March 31, 2014
Year 3 – Period 3	11	April 1, 2014	June 30, 2014
Year 3 – Period 4	12	July 1, 2014	September 30, 2014
Year 4 – Period 1	13	October 1, 2014	December 31, 2014
Year 4 – Period 2	14	January 1, 2015	March 31, 2015
Year 4 – Period 3	15	April 1, 2015	June 30, 2015
Year 4 – Period 4	16	July 1, 2015	September 30, 2015
Year 5 – Period 1	17	October 1, 2015	December 31, 2015
Year 5 – Period 2	18	January 1, 2016	March 31, 2016
Year 5 – Period 3	19	April 1, 2016	June 30, 2016
Year 5 – Period 4	20	July 1, 2016	October 31, 2016

Footnotes:

- 1 Maintain quarterly monitoring during permit renewal process. If at the expiration of the Individual Permit, the permittee has submitted an application for renewal of coverage before the submittal deadline, the permittee will be considered for renewed coverage. The applicant must continue quarterly monitoring until the renewed permit is issued.
- 2 If no measurable storm event occurs during the sampling period, the permittee must submit a monitoring report indicating "No Flow" within 30 days of the end of the sampling period.

The permittee shall report the analytical results from the first sample with valid results within the monitoring period. The permittee shall compare monitoring results to the benchmark values in **Table 4**. The benchmark values in **Table 4** are not permit limits but should be used as guidelines for implementing the permittee's Stormwater Pollution Prevention Plan (SPPP). Exceedances of benchmark values must be addressed as provided in and in accordance with the tiered response chart on page 9 of Part II.

Table 4. SDO Benchmark Values for Routine Analytical Monitoring at Representative Outfalls

Total Suspended Solids	mg/L	100
Biochemical Oxygen Demand	mg/L	30
Chemical Oxygen Demand	mg/L	120
TPH / Non-polar Oil & Grease	mg/L	15
Detergents (MBAS)	mg/L	0.5
Turbidity	NTU	50
NH ₃ -Nitrogen	mg/L	7.2
NO ₃ +NO ₂ -Nitrogen	mg/L	10
Nitrogen, Total	mg/L	30
Phosphorus, Total	mg/L	2
pH	standard	6 - 9

Tier One

If: The first valid sampling results are above a benchmark value, or outside of the benchmark range, for any parameter at any outfall or in-stream location;

Then: The permittee shall:

1. Conduct a stormwater management inspection of the facility **within two weeks of receiving sampling results.**
2. Identify and evaluate possible causes of the benchmark value exceedance.
3. Identify potential source controls, operational controls, or physical improvements, if any, that could reduce the difference between the sampling results and the benchmark value and select any such corrective measure or combination of corrective measures that the permittee determines to be appropriate and warranted, after due consideration of the cause and nature of the exceedance and the feasibility, cost and effectiveness of such measures.
4. Implement the selected actions, if any, **within two months of the inspection**, or as soon thereafter as reasonably possible.
5. Record each instance of a Tier One response in the Stormwater Pollution Prevention Plan. Include the date and value of the benchmark exceedance, the inspection date, the personnel conducting the inspection, the selected actions, if any, and the date the selected actions were implemented, or, if no action was implemented, the basis for that decision.

If: During the term of this permit, the first valid sampling results from two consecutive monitoring periods are above the benchmark values, or outside of the benchmark range, for any specific parameter at a specific outfall or in-stream location;

Then: The permittee shall:

1. Repeat all the required actions outlined above in Tier One.
2. Immediately institute monthly monitoring for each parameter at each outfall where a sampling result exceeded the benchmark value for two consecutive samples. Monthly (analytical and qualitative) monitoring shall continue until three consecutive sample results are below the benchmark values or within the benchmark range.
3. If no discharge occurs during the sampling period, the permittee is required to submit a monthly monitoring report indicating "No Flow" to comply with reporting requirements.
4. Maintain a record of the Tier Two response in the Stormwater Pollution Prevention Plan.

During the term of this permit, if the valid sampling results required for the permit monitoring periods exceed the benchmark value, or are outside the benchmark range, for any specific parameter at any specific outfall or in-stream location on **four occasions**, the permittee shall notify the DWQ Regional Office Supervisor in writing **within 30 days of receipt** of the fourth analytical results.

The permittee will then consult with DWQ about feasible, practical, and cost-effective measures that the permittee could undertake to reduce the difference between the sampling results and the benchmark value and to avoid causing or contributing to any violation of water quality standards. After consultation with the permittee, DWQ may require that the permittee revise, increase, or decrease the monitoring frequency for the remainder of the permit and may impose such other requirements, if any, as may be necessary to prevent the permittee's discharge from causing or contributing to any violation of water quality standards, including but not limited to:

- require the permittee to install structural controls; or
- require the permittee to implement other stormwater control measures.

If the inspection and evaluation of a particular sampling result under Tier One or Tier Two show that the result is not caused by the permittee's operations or facilities, it will not be treated as a benchmark exceedance for purposes of determining whether four consecutive exceedances have occurred.

This site discharges to a segment of Lake Wylie with an approved Total Maximum Daily Load (TMDL) for nutrients. Turbidity, chlorophyll a, and low pH are also pollutants of concern for the Paw Creek arm of Lake Wylie. Receiving streams Coffey and Taggart Creeks drain to Sugar Creek, which is impaired for biological integrity and bacteria. The Division will consider monitoring results in determining whether additional BMPs are needed to control the pollutant(s) of concern to the maximum extent practicable.

If additional BMPs are needed to achieve the required level of control as mandated by the TMDL, if any, the permittee will be required to (1) develop a strategy for implementing appropriate BMPs, and (2) submit a timetable for incorporation of those BMPs into the permitted Stormwater Pollution Prevention Plan.

SECTION C: STORMWATER DISCHARGE OUTFALL – QUALITATIVE MONITORING REQUIREMENTS

Qualitative monitoring requires a visual inspection of each stormwater outfall regardless of representative outfall status and shall be performed as specified in **Table 5**, during any measurable storm event. Qualitative monitoring is for the purpose of evaluating the effectiveness of the Stormwater Pollution Prevention Plan (SPPP) and assessing new sources of stormwater pollution.

In the event an atypical condition is noted at a stormwater discharge outfall, the permittee shall document the suspected cause of the condition and any actions taken in response to the discovery. This documentation will be maintained with the SPPP.

Table 5. SDO Qualitative Monitoring Requirements at All Outfalls

Parameter	Frequency	Location
Color	Semi-annual	SDO
Odor	Semi-annual	SDO
Clarity	Semi-annual	SDO
Floating Solids	Semi-annual	SDO
Suspended Solids	Semi-annual	SDO
Foam	Semi-annual	SDO
Oil Sheen	Semi-annual	SDO
Erosion or deposition at the outfall	Semi-annual	SDO
Other obvious indicators of stormwater pollution	Semi-annual	SDO

Footnotes:

- 1 **Measurement Frequency:** Two times per year during a measurable storm event, for each year until either another permit is issued for this facility or until this permit is revoked or rescinded. If at the end of this permitting cycle the permittee has submitted the appropriate paperwork for a renewal permit before the submittal deadline, the permittee will be considered for a renewal application. The applicant must continue Semi-annual monitoring until the renewed permit is issued. See **Table 3** for schedule of monitoring periods through the end of this permitting cycle.
- 2 **Monitoring Location:** Qualitative monitoring shall be performed at each stormwater discharge outfall (SDO) regardless of representative outfall status.

SECTION D: DE-ICING EVENT ANALYTICAL MONITORING REQUIREMENTS

De-icing event analytical monitoring of stormwater discharges shall be performed at selected representative SDOs as specified in **Table 6**. De-icing event analytical monitoring shall be performed four (4) times per year during qualifying de-icing events resulting in the use of at least 100 gallons of glycol in any concentration. Each monitoring event shall be conducted during a discharge event at the time of de-icing activities, or during the next separate discharge event, up to 72 hours following de-icing activities.

Table 6. De-icing Event Analytical Monitoring Requirements for Representative Outfalls

Propylene Glycol	mg/L	4X/yr	Grab	SDO
Ethylene Glycol	mg/L	4X/yr	Grab	SDO
Biochemical Oxygen Demand	mg/L	4X/yr	Grab	SDO
Chemical Oxygen Demand	mg/L	4X/yr	Grab	SDO
NH ₃ -Nitrogen	mg/L	4X/yr	Grab	SDO
pH	standard	4X/yr	Grab	SDO
Acute Toxicity ⁴	-	4X/yr	Grab	SDO
Total Glycol & Urea Applied	gal	4X/yr	Estimate	-
Total Rainfall	inches	4X/yr	Rain gauge	-

Footnotes:

- 1 Measurement Frequency: Four times per year during qualifying de-icing events as described above.
- 2 If the stormwater runoff is controlled by a stormwater detention pond a grab sample of the discharge from the pond shall be collected within the first 30 minutes of discharge from the pond or as soon thereafter as reasonably possible.
- 3 Sample Location: Samples shall be collected at each representative stormwater discharge outfall (SDO) as specified in Table 1.
- 4 Acute Toxicity shall be performed in accordance with the Special Conditions at the end of this permit.

Monitoring results shall be compared to the benchmark values in **Table 8**. The benchmark values in **Table 8** are not permit limits but should be used as guidelines for implementing the permittee's Stormwater Pollution Prevention Plan (SPPP). Exceedances of benchmark values must be addressed as provided in and in accordance with the tiered response chart on page 9 of Part II except that item 2 of Tier Two is deleted and replaced with the following requirement:

2. Immediately institute monitoring during one qualifying de-icing event per month for each parameter at each outfall where a sampling result exceeded the benchmark value for two

consecutive samples. Such monitoring (one per month) shall continue for the remainder of the de-icing season so long as a qualified de-icing event occurs during each subsequent month.

In-stream analytical monitoring shall be performed concurrently with each of the four (4) monitored de-icing events per year. Each monitoring event shall be conducted during a discharge event at the time of de-icing activities, or during the next separate discharge event, up to 72 hours following de-icing activities. In-stream analytical monitoring shall be performed at selected stream sites as specified in **Table 7**.

Table 7. De-icing Event Analytical Monitoring Requirements for In-stream Sampling

Dissolved Oxygen	mg/L	4X/yr	Grab	002 & 004
Turbidity	NTU	4X/yr	Grab	002 & 004
pH	stand ard	4X/yr	Grab	002 & 004

Footnotes:

- 1 Measurement Frequency: Four times per year during qualifying de-icing events as described above.
- 2 Sample Location: Samples shall be collected at each identified in-stream location named above.

Monitoring results shall be compared to the benchmark values in **Table 8**. The benchmark values in **Table 8** are not permit limits but should be used as guidelines for implementing the permittee's Stormwater Pollution Prevention Plan (SPPP). Exceedances of benchmark values must be addressed as provided in and in accordance with the tiered response chart on page 9 of Part II except that item 2 of Tier Two is deleted and replaced with the following requirement:

2. Immediately institute monitoring during one qualifying de-icing event per month for each parameter at each in-stream location where a sampling result exceeded the benchmark value for two consecutive samples. Such monitoring (one per month) shall continue for the remainder of the de-icing season so long as a qualified de-icing event occurs during each subsequent month.

Table 8. Benchmark Values for De-icing Event Analytical Monitoring for Representative Outfalls and In-Stream Sampling

Parameter	Units	Benchmark
Propylene Glycol	mg/L	N/A
Ethylene Glycol	mg/L	N/A
Biochemical Oxygen Demand	mg/L	30
Chemical Oxygen Demand	mg/L	120
NH ₃ -Nitrogen	mg/L	7.2
pH	Standard units	6-9
Acute Toxicity	See Special Conditions	See Special Conditions
Dissolved Oxygen ¹	mg/L	5
Turbidity ²	NTU	50

Footnotes:

- 1 Dissolved Oxygen: For monitoring purposes, any result with a value of less than 5 mg/L would constitute a benchmark exceedance. This is based on current stream standards.
- 2 Turbidity: The turbidity benchmark value is based on current stream standards.

**Section E (1). EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS
(Outfall 001)**

Beginning on the effective date of this permit and lasting until expiration, the Permittee is authorized to discharge stormwater from Outfall 001- Jet Fuel Tank Farm from the north side of the CDIA facility. Such discharges shall be limited and monitored by the Permittee as specified below:

Pollutant or Characteristic	Effluent Limitations			Monitoring Requirements		
	Minimum	Maximum	Other	Frequency	Method	Location
Flow ²				Discharge Event	Estimate	E
Total Suspended Solids		45 mg/l		Monthly	Grab	E
Oil and Grease ³		45 mg/l		Monthly	Grab	E
PH ⁴				Monthly	Grab	E
Benzene		51 ug/L		Monthly	Grab	E
Ethylbenzene				Monthly	Grab	E
Toluene		11 ug/l		Monthly	Grab	E
Xylene				Monthly	Grab	E
Total Nitrogen ⁵				Quarterly	Grab	E
Total Phosphorus ⁶				Quarterly	Grab	E
Acute Toxicity ⁷				Quarterly	Grab	E

Notes:

1. Sample locations: E- Effluent sample collected after the oil water separator/retention pond treatment system.
2. Discharge from the retention pond is controlled by a manual gate valve, and may not coincide with a storm event. Therefore, discharge flow for each manual release shall be estimated based on the surface area and drop in depth of the retention pond. If there is no discharge during a month, enter "No Flow" on the Discharge Monitoring Report submission for that month.
3. Where possible, the grab sample shall be skimmed from the surface of a quiescent (calm water) zone.
4. The pH shall not be less than 6.0 standard units nor greater than 9.0 standard units.
5. Total Nitrogen = TKN + NO₃-N + NO₂-N, where TN is Total Kjeldahl Nitrogen, and NO₃-N and NO₂-N are Nitrate and Nitrite as nitrogen, respectively.
6. Acute Toxicity (Fathead Minnow, 24-hour) Quarterly Monitoring; refer to Special Condition E(2)- Acute Toxicity Monitoring (Quarterly).

There shall be no discharge of floating solids or visible foam in other than trace amounts.
There shall be no direct discharge of tank solids, tank bottom water, or the rag layer.

**Section E. (2.) ACUTE TOXICITY MONITORING – Quarterly, Outfall 001
(Jet Fuel Tank Farm)**

The permittee shall conduct quarterly toxicity tests using protocols defined as definitive in E.P.A. Document EPA/600/4-90/027F entitled "Methods for Measuring the Acute Toxicity of Effluents to Freshwater and Marine Organisms." The monitoring shall be performed as a Fathead Minnow (*Pimephales promelas*) 24 hour static test. Effluent samples for self-monitoring purposes must be obtained below all waste treatment. The tests will be performed on a discharge event during each quarter (January-March, April-June, July-September, October-December).

The parameter code for this test is TAE6C. All toxicity testing results required as part of this permit condition will be entered on the Effluent Discharge Form (MR-1) for the month in which it was performed, using the appropriate parameter code. Additionally, DWQ Form AT-1 (original) is to be sent to the following address:

Attention: NC DENR / DWQ / Environmental Sciences Branch
1621 Mail Service Center
Raleigh, N.C. 27699-1621

Completed Aquatic Toxicity Test Forms shall be filed with the Environmental Sciences Branch no later than 30 days after the end of the reporting period for which the report is made.

Test data shall be complete and accurate and include all supporting chemical/physical measurements performed in association with the toxicity tests, as well as all dose/response data. Total residual chlorine of the effluent toxicity sample must be measured and reported if chlorine is employed for disinfection of the waste stream.

Should there be no discharge of flow from the facility during a quarter in which toxicity monitoring is required, the permittee will complete the information located at the top of the aquatic toxicity (AT) test form indicating the facility name, permit number, pipe number, county, and the month/year of the report with the notation of "No Flow" in the comment area of the form. The report shall be submitted to the Environmental Sciences Branch at the address cited above.

Should any test data from either these monitoring requirements or tests performed by the North Carolina Division of Water Quality indicate potential impacts to the receiving stream, this permit may be re-opened and modified to include alternate monitoring requirements or limits.

NOTE: Failure to achieve test conditions as specified in the cited document, such as minimum control organism survival and appropriate environmental controls, shall constitute an invalid test and will require immediate follow-up testing to be completed no later than the last day of the month following the month of the initial monitoring.

**PART III STANDARD CONDITIONS FOR NPDES WASTEWATER & STORMWATER
INDIVIDUAL PERMITS**

SECTION A: COMPLIANCE AND LIABILITY

1. Compliance Schedule

The permittee shall comply with wastewater Effluent Limitations and Monitoring Requirements, stormwater Limitations and Controls specified for stormwater discharges in accordance with the following schedule:

Permittee shall comply with Effluent Limitations and Monitoring requirements (Part II, Section E) by the effective date of this permit.

For stormwater Limitations and Controls:

Existing Facilities already operating but applying for permit coverage for the first time: The Stormwater Pollution Prevention Plan shall be developed and implemented within 12 months of the effective date of the initial permit and updated thereafter on an annual basis. Secondary containment, as specified in Part II, Section A, Paragraph 2(b) of this permit, shall be accomplished within 12 months of the effective date of the initial permit issuance.

New Facilities applying for coverage for the first time and existing facilities previously permitted and applying for renewal under this permit: The Stormwater Pollution Prevention Plan shall be developed and implemented prior to the beginning of discharges from the operation of the industrial activity and be updated thereafter on an annual basis. Secondary containment, as specified in Part II, Section A, Paragraph 2(b) of this permit shall be accomplished prior to the beginning of discharges from the operation of the industrial activity.

2. Duty to Comply

The permittee must comply with all conditions of this individual permit. Any permit noncompliance constitutes a violation of the Clean Water Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or denial of a permit upon renewal application.

- a. The permittee shall comply with standards or prohibitions established under section 307(a) of the Clean Water Act for toxic pollutants within the time provided in the regulations that establish these standards or prohibitions, even if the permit has not yet been modified to incorporate the requirement.
- b. The Clean Water Act provides that any person who violates a permit condition is subject to a civil penalty not to exceed \$25,000 per day for each violation. Any person who negligently violates any permit condition is subject to criminal penalties of \$2,500 to 25,000 per day of violation, or imprisonment for not more than 1 year, or both. Any person who knowingly violates permit conditions is subject to criminal penalties of \$5,000 to \$50,000 per day of violation, or imprisonment for not more than 3 years, or both. Also, any person who violates a permit condition may be assessed an administrative penalty not to exceed \$10,000 per violation with the maximum amount not to exceed \$125,000. [Ref: Section 309 of the Federal Act 33 USC 1319 and 40 CFR 122.41(a).]
- c. Under state law, a daily civil penalty of not more than ten thousand dollars (\$10,000) per violation may be assessed against any person who violates or fails to act in accordance with the terms, conditions, or requirements of a permit. [Ref: NC General Statutes 143-215.6A].

- d. Any person may be assessed an administrative penalty by the Director for violating section 301, 302, 306, 307, 308, 318 or 405 of the Act, or any permit condition or limitation implementing any of such sections in a permit issued under section 402 of the Act. Administrative penalties for Class I violations are not to exceed \$10,000 per violation, with the maximum amount of any Class I penalty assessed not to exceed \$25,000. Penalties for Class II violations are not to exceed \$10,000 per day for each day during which the violation continues, with the maximum amount of any Class II penalty not to exceed \$125,000.

3. Duty to Mitigate

The permittee shall take all reasonable steps to minimize or prevent any discharge in violation of this individual permit which has a reasonable likelihood of adversely affecting human health or the environment.

4. Civil and Criminal Liability

Except as provided in Part III, Section C of this permit regarding bypassing of stormwater control facilities, nothing in this individual permit shall be construed to relieve the permittee from any responsibilities, liabilities, or penalties for noncompliance pursuant to NCGS 143-215.3, 143-215.6A, 143-215.6B, 143-215.6C or Section 309 of the Federal Act, 33 USC 1319. Furthermore, the permittee is responsible for consequential damages, such as fish kills, even though the responsibility for effective compliance may be temporarily suspended.

5. Oil and Hazardous Substance Liability

Nothing in this individual 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 to under NCGS 143-215.75 et seq. or Section 311 of the Federal Act, 33 USC 1321.

6. Property Rights

The issuance of this individual 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 any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

7. Onshore or Offshore Construction

This permit does not authorize or approve the construction of any onshore or offshore physical structures or facilities or the undertaking of any work in any navigable waters.

8. Severability

The provisions of this individual permit are severable, and if any provision of this individual permit, or the application of any provision of this individual permit to any circumstances, is held invalid, the application of such provision to other circumstances, and the remainder of this individual permit, shall not be affected thereby.

9. Duty to Provide Information

The permittee shall furnish to the Director, within a reasonable time, any information which the Director may request to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit issued pursuant to this individual permit or to determine compliance with this individual permit. The permittee shall also furnish to the Director upon request, copies of records required to be kept by this individual permit.

10. Duty to Reapply
If the Permittee wishes to continue an activity regulated by this permit after the expiration date of this permit, the Permittee must apply for and obtain a new permit [40 CFR 122.41 (b)].

11. Penalties for Tampering

The Clean Water Act provides that any person who falsifies, tampers with, or knowingly renders inaccurate, any monitoring device or method required to be maintained under this individual permit shall, upon conviction, be punished by a fine of not more than \$10,000 per violation, or by imprisonment for not more than two years per violation, or by both. If a conviction of a person is for a violation committed after a first conviction of such person under this paragraph, punishment is a fine of not more than \$20,000 per day of violation, or by imprisonment of not more than 4 years, or both.

12. Penalties for Falsification of Reports

The Clean Water Act provides that any person who knowingly makes any false statement, representation, or certification in any record or other document submitted or required to be maintained under this individual permit, including monitoring reports or reports of compliance or noncompliance shall, upon conviction, be punished by a fine of not more than \$10,000 per violation, or by imprisonment for not more than two years per violation, or by both.

SECTION B: GENERAL CONDITIONS

1. Individual Permit Expiration

The permittee is not authorized to discharge after the expiration date. In order to receive automatic authorization to discharge beyond the expiration date, the permittee shall submit forms and fees as are required by the agency authorized to issue permits no later than 180 days prior to the expiration date. Any permittee that has not requested renewal at least 180 days prior to expiration, or any permittee that does not have a permit after the expiration and has not requested renewal at least 180 days prior to expiration, will be subjected to enforcement procedures as provided in NCGS §143-215.36 and 33 USC 1251 et. seq.

2. Transfers

This permit is not transferable to any person except after notice to and approval by the Director. The Director may require modification or revocation and reissuance of the permit to change the name and incorporate such other requirements as may be necessary under the Clean Water Act. **The Permittee is required to notify the Division in writing in the event the permitted facility is sold or closed.**

3. Signatory Requirements

All applications, reports, or information submitted to the Director shall be signed and certified.

a. All applications to be covered under this individual permit shall be signed as follows:

- (1) In the case of a corporation: by a principal executive officer of at least the level of vice-president, or his duly authorized representative, if such representative is responsible for the overall operation of the facility from which the discharge described in the permit application form originates;
- (2) In the case of a partnership or limited partnership: by a general partner;
- (3) In the case of a sole proprietorship: by the proprietor;

- (4) In the case of a municipal, state, or other public entity: by a principal executive officer, ranking elected official, or other duly authorized employee.
- b. All reports required by the individual permit and other information requested by the Director shall be signed by a person described above or by a duly authorized representative of that person. A person is a duly authorized representative only if:
- (1) The authorization is made in writing by a person described above;
- (2) The authorization specified 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 well field, superintendent, a 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
- (3) The written authorization is submitted to the Director.
- c. Changes to authorization: If an authorization under paragraph (b) of this section 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 paragraph (b) of this section must be submitted to the Director prior to or together with any reports, information, or applications to be signed by an authorized representative [40 CFR 122.22]
- d. Any person signing a document under paragraphs a. or b. of this section 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 fines and imprisonment for knowing violations."

4. Individual Permit Modification, Revocation and Reissuance, or Termination

The issuance of this individual permit does not prohibit the Director from reopening and modifying the individual permit, revoking and reissuing the individual permit, or terminating the individual permit as allowed by the laws, rules, and regulations contained in Title 40, Code of Federal Regulations, Parts 122 and 123; Title 15A of the North Carolina Administrative Code, Subchapter 2H .0100; and North Carolina General Statute 143-215.1 et al.

5. Permit Actions

The permit may be modified, revoked and reissued, or terminated for cause. The notification of planned changes or anticipated noncompliance does not stay any individual permit condition.

6. Annual Administering and Compliance Monitoring Fee Requirements

The Permittee must pay the annual administering and compliance monitoring fee within thirty days after being billed by the Division. Failure to pay the fee in a timely manner in accordance with 15A NCAC 2H.0105 (b) (2) may cause this Division to initiate action to revoke the permit.

SECTION C: OPERATION AND MAINTENANCE OF POLLUTION CONTROLS

1. Certified Operator

Upon classification of the permitted facility by the Certification Commission, the Permittee shall employ a certified water pollution control treatment system operator in responsible charge (ORC) of the water pollution control treatment system. Such operator must hold a certification of the grade equivalent to or greater than the classification assigned to the water pollution control treatment system by the Certification Commission. The Permittee must also employ one or more certified Back-up ORCs who possess a currently valid certificate of the type of the system. Back-up ORCs must possess a grade equal to (or no more than one grade less than) the grade of the system [15A NCAC 8G.0201].

The ORC of each Class I facility must:

- Visit the facility as often as is necessary to insure proper operation of the treatment system; the treatment facility must be visited at least weekly
- Comply with all other conditions of 15A NCAC 8G.0204.

The ORC of each Class II, III and IV facility must:

- Visit the facility as often as is necessary to insure proper operation of the treatment system; the treatment facility must be visited at least five days per week, excluding holidays
- Properly manage and document daily operation and maintenance of the facility
- Comply with all other conditions of 15A NCAC 8G.0204.

Once the facility is classified, the Permittee shall submit a letter to the Certification Commission designating the operator in responsible charge:

- a. Within 60 calendar days prior to wastewater being introduced into a new system
- b. Within 120 calendar days of:
 - Receiving notification of a change in the classification of the system requiring the designation of a new ORC and back-up ORC
 - A vacancy in the position of ORC or back-up ORC.

2. 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 individual permit. Proper operation and maintenance also includes adequate laboratory controls and appropriate quality assurance procedures. This provision requires the operation of back-up or auxiliary facilities or similar systems which are installed by a permittee only when the operation is necessary to achieve compliance with the conditions of this individual permit.

NOTE: Properly and officially designated operators are fully responsible for all proper operation and maintenance of the facility, and all documentation required thereof, whether acting as a contract operator [subcontractor] or a member of the Permittee's staff.

3. Need to Halt or Reduce 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 condition of this individual permit.

4. Bypassing of Treatment Control Facilities

a. Bypass not exceeding limitations [40 CFR 122.41 (m) (2)]

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 Paragraphs b. and c. of this section.

b. Notice [40 CFR 122.41 (m) (3)]

(1) Anticipated bypass. If the Permittee knows in advance of the need for a bypass, it shall submit prior notice, if possible at least ten days before the date of the bypass; including an evaluation of the anticipated quality and effect of the bypass.

(2) Unanticipated bypass. The Permittee shall submit notice of an unanticipated bypass as required in Part II. E. 9. (24-hour notice).

c. Prohibition of Bypass

(1) Bypass is prohibited and the Director may take enforcement action against a permittee for bypass unless:

(A) Bypass was unavoidable to prevent loss of life, personal injury or severe property damage; and

(B) There were no feasible alternatives to the bypass, such as the use of auxiliary control facilities, retention of stormwater or maintenance during normal periods of equipment downtime or dry weather. This condition is not satisfied if adequate backup controls 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

(C) The permittee submitted notices as required under, Paragraph 4. b. of this section.

If the Director determines that it will meet the three conditions listed above, the Director may approve an anticipated bypass after considering its adverse effects.

5. Upsets of Wastewater Treatment

a. Effect of an upset [40 CFR 122.41 (n) (2)]: An upset constitutes an affirmative defense to an action brought for noncompliance with such technology based permit effluent limitations if the requirements of paragraph b. of this condition are met. No determination made during administrative review of claims that noncompliance was caused by upset, and before an action for noncompliance, is final administrative action subject to judicial review.

b. Conditions necessary for a demonstration of upset: Any Permittee who wishes to establish the affirmative defense of upset shall demonstrate, through properly signed, contemporaneous operating logs, or other relevant evidence that:

(1) An upset occurred and that the Permittee can identify the cause(s) of the upset;

(2) The Permittee facility was at the time being properly operated; and

(3) The Permittee submitted notice of the upset as required in Part II. E. 9. (b) of this permit.

(4) The Permittee complied with any remedial measures required under Part II. A. 3. of this permit.

c. Burden of proof [40 CFR 122.41 (n) (4)]: The Permittee seeking to establish the occurrence of an upset has the burden of proof in any enforcement proceeding.

6. Removed Substances

Solids, sludges, filter backwash, or other pollutants removed in the course of treatment or control of wastewaters shall be utilized/disposed of in accordance with NCGS 143-215.1 and in a manner such as to prevent any pollutant from such materials from entering waters of the State or navigable waters of the United States. The Permittee shall comply with all existing Federal regulations governing the disposal of sewage sludge. Upon promulgation of 40 CFR Part 503, any permit issued by the Permit Issuing Authority for the utilization/disposal of sludge may be reopened and modified, or revoked and reissued, to incorporate applicable requirements at 40 CFR 503. The Permittee shall comply with applicable 40 CFR 503 Standards for the Use and Disposal of Sewage Sludge (when promulgated) within the time provided in the regulation, even if the permit is not modified to incorporate the requirement. The Permittee shall notify the Permit Issuing Authority of any significant change in its sludge use or disposal practices.

7. Power Failures

The Permittee is responsible for maintaining adequate safeguards (as required by 15A NCAC 2H.0124) to prevent the discharge of untreated or inadequately treated wastes during electrical power failures either by means of alternate power sources, standby generators or retention of inadequately treated effluent.

SECTION D: MONITORING AND RECORDS

1. Representative Sampling

Samples collected and measurements taken, as required herein, shall be characteristic of the volume and nature of the permitted discharge. Analytical sampling shall be performed during a measurable storm event. Samples shall be taken on a day and time that is characteristic of the discharge. All outfall samples shall be taken before the discharge joins or is diluted by any other waste stream, body of water, or substance. Monitoring points as specified in this permit shall not be changed without notification to and approval of the Director.

2. Recording Results

For each measurement, sample, inspection or maintenance activity performed or collected pursuant to the requirements of this individual permit, the permittee shall record the following information:

- a. The date, exact place, and time of sampling, measurements, inspection or maintenance activity;
- b. The individual(s) who performed the sampling, measurements, inspection or maintenance activity;
- c. The date(s) analyses were performed;
- d. The individual(s) who performed the analyses;
- e. The analytical techniques or methods used; and
- f. The results of such analyses.

3. Flow Measurements

Where required, appropriate flow measurement devices and methods consistent with accepted scientific practices shall be selected and used to ensure the accuracy and reliability of measurements of the volume of monitored discharges.

4. Test Procedures

Test procedures for the analysis of pollutants shall conform to the EMC regulations published pursuant to NCGS 143-215.63 et. seq, the Water and Air Quality Reporting Acts, and to regulations published pursuant to Section 304(g), 33 USC 1314, of the Federal Water Pollution Control Act, as Amended, and Regulation 40 CFR 136.

To meet the intent of the monitoring required by this individual permit, all test procedures must produce minimum detection and reporting levels and all data generated must be reported down to the minimum detection or lower reporting level of the procedure.

5. Representative Outfall

If a facility has multiple discharge locations with substantially identical stormwater discharges that are required to be sampled, the permittee may petition the Director for representative outfall status. If it is established that the stormwater discharges are substantially identical and the permittee is granted representative outfall status, then sampling requirements may be performed at a reduced number of outfalls.

6. Records Retention

Visual monitoring shall be documented and records maintained at the facility along with the Stormwater Pollution Prevention Plan. Copies of analytical monitoring results shall also be maintained on-site. The permittee shall retain records of all monitoring information, including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation, and copies of all reports required by this individual permit for a period of at least 5 years from the date of the sample, measurement, report or application. This period may be extended by request of the Director at any time.

7. Inspection and Entry

The permittee shall allow the Director, or an authorized representative (including an authorized contractor acting as a representative of the Director), or in the case of a facility which discharges through a municipal separate storm sewer system, an authorized representative of a municipal operator or the separate storm sewer system receiving the discharge, upon the presentation of credentials and other documents as may be required by law, to;

- a. 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 individual permit;
- b. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this individual permit;
- c. Inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this individual permit; and
- d. Sample or monitor at reasonable times, for the purposes of assuring individual permit compliance or as otherwise authorized by the Clean Water Act, any substances or parameters at any location.

SECTION E: REPORTING REQUIREMENTS

1. Reporting monitoring results from Outfall 001

Wastewater monitoring results obtained during the previous month(s) shall be summarized for each month and reported on a monthly Discharge Monitoring Report (DMR) Form (MR 1, 1.1, 2, 3) or alternative forms approved by the Director, postmarked no later than the last calendar day of the month following the completed reporting period.

The first DMR is due on the last day of the month following the issuance of the permit or in the case of a new facility, on the last day of the month following the commencement of discharge. Duplicate signed copies of these, and all other reports required herein, shall be submitted to the following address:

NC DENR / Division of Water Quality / Surface Water Protection Section
ATTENTION: Central Files
1617 Mail Service Center
Raleigh, North Carolina 27699-1617

If the Permittee monitors any pollutant more frequently than required by this permit, the results of such monitoring shall be included in the calculation and reporting of the data submitted on the DMR.

Reporting Glycol and Urea Usage.

The permittee shall be responsible for summarizing the amount of glycol (and urea if applicable) dispensed each month for de-icing/anti-icing activities, and submit this data on an annual basis. This information shall be submitted with the May DMR for Outfall 001, covering glycol and urea usage for the period starting June 1st of the previous year, through May 31st of the current year.

2. Stormwater Discharge Monitoring Reports

Samples analyzed in accordance with the terms of this permit shall be submitted to the Division on Discharge Monitoring Report forms provided by the Director. Submittals shall be delivered to the Division no later than 30 days from the date the facility receives the sampling results from the laboratory.

The permittee shall submit an Annual Summary Data Monitoring Report to the appropriate DWQ Regional Office by March 1 of each year. The submittal shall be on forms supplied by the Division.

If no discharge has occurred from the facility during a monitoring period, the permittee is required to submit a discharge monitoring report, within 30 days of the end of the monitoring period, giving all required information and indicating "NO FLOW" as per NCAC T15A 02B .0506.

The permittee shall record the required qualitative monitoring observations on the SDO Qualitative Monitoring Report form provided by the Division, and shall retain the completed forms on site. Visual monitoring results should not be submitted to the Division, except upon DWQ's specific requirement to do so.

Submitting Stormwater Discharge Monitoring Reports

Two signed copies of Discharge Monitoring Reports (DMRs) shall be submitted to:

Central Files
Division of Water Quality
1617 Mail Service Center
Raleigh, North Carolina 27699-1617

In addition, a separate signed Annual Summary DMR copy shall be submitted to the local DWQ Regional Office (RO) by March 1 of each year.

Addresses for each RO and the counties covered by each RO can be found here:

<http://www.enr.state.nc.us/html/regionaloffices.html>. The permittee shall retain the completed originals on site. Visual monitoring results should not be submitted to the Regional Offices or Central Files unless specifically requested by DWQ.

3. Availability of Reports

Except for data determined to be confidential under NCGS 143-215.3(a)(2) or Section 308 of the Federal Act, 33 USC 1318, all reports prepared in accordance with the terms shall be available for public inspection at the offices of the Division of Water Quality. As required by the Act, analytical data shall not be considered confidential. Knowingly making any false statement on any such report may result in the imposition of criminal penalties as provided for in NCGS 143-215.6B or in Section 309 of the Federal Act.

4. Non-Stormwater Discharges

If the storm event monitored in accordance with this Individual Permit coincides with a non-stormwater discharge, the permittee shall separately monitor all parameters as required under the non-stormwater discharge permit and provide this information with the stormwater discharge monitoring report.

5. Planned Changes

The permittee shall give notice to the Director as soon as possible of any planned changes at the permitted facility which could significantly alter the nature or quantity of pollutants discharged. This notification requirement includes pollutants which are not specifically listed in the Individual Permit or subject to notification requirements under 40 CFR Part 122.42 (a).

6. Anticipated Noncompliance

The permittee shall give notice to the Director as soon as possible of any planned changes at the permitted facility which may result in noncompliance with the Individual Permit requirements.

7. Spills

The permittee shall report to the local DWQ Regional Office, within 24 hours, all significant spills as defined in Part VI of this permit. Additionally, the permittee shall report spills including: any oil spill of 25 gallons or more, any spill regardless of amount that causes a sheen on surface waters, any oil spill regardless of amount occurring within 100 feet of surface waters, and any oil spill less than 25 gallons that cannot be cleaned up within 24 hours.

8. Bypass

- a. Anticipated bypass. If the permittee knows in advance of the need for a bypass, it shall submit prior notice, if possible at least ten days before the date of the bypass; including an evaluation of the anticipated quality and affect of the bypass.
- b. Unanticipated bypass. The permittee shall submit notice within 24 hours of becoming aware of an unanticipated bypass.

9. Twenty-four Hour Reporting

The permittee shall report to the central office or the appropriate regional office any noncompliance which may endanger health or the environment. Any information shall be provided orally within 24 hours from the time the permittee became aware of the circumstances. A written submission shall also be provided within 5 days of the time the permittee becomes aware of the circumstances.

The written submission shall contain a description of the noncompliance, and its causes; the period of noncompliance, including exact dates and times, and if the noncompliance has not been corrected, the anticipated time compliance is expected to continue; and steps taken or planned to reduce, eliminate, and prevent reoccurrence of the noncompliance.

The Director may waive the written report on a case-by-case basis if the oral report has been received within 24 hours.

10. Other Noncompliance

The permittee shall report all instances of noncompliance not reported under 24 hour reporting at the time monitoring reports are submitted.

11. Other Information

Where the permittee becomes aware that it failed to submit any relevant facts in the original application, or subsequent renewal applications, to be covered under this Individual Permit, or any subsequent permit renewal applications, or in any report to the Director, it shall promptly submit such facts or information.

6. Annual Average
The arithmetic mean of all "daily discharges" of a pollutant measured during the calendar year. In the case of fecal coliform, the geometric mean of such discharges.
7. Arithmetic Mean
The summation of the individual values divided by the number of individual values.
8. Best Management Practices (BMPs)
Measures or practices used to reduce the amount of pollution entering surface waters. BMPs may take the form of a process, activity, or physical structure. More information on BMPs can be found at: <http://cfpub.epa.gov/npdes/stormwater/menuofbmps/index.cfm>.
9. Bypass
A bypass is the known diversion of stormwater from any portion of a stormwater control facility including the collection system, which is not a designed or established operating mode for the facility.
10. Bulk Storage of Liquid Products
Liquid raw materials, manufactured products, waste materials or by-products with a single above ground storage container having a capacity of greater than 660 gallons or with multiple above ground storage containers located in close proximity to each other having a total combined storage capacity of greater than 1,320 gallons.
11. Calendar Day
The period from midnight of one day until midnight of the next day. However, for purposes of this permit, any consecutive 24-hour period that reasonably represents the calendar day may be used for sampling.
12. Calendar Week
The period from Sunday through the following Saturday.
13. Calendar Quarter
One of the following distinct periods: January through March, April through June, July through September, and October through December.
14. Certificate of Coverage
The Certificate of Coverage (COC) is the cover sheet which accompanies the Individual Permit upon issuance and lists the facility name, location, receiving stream, river basin, effective date of coverage under the permit and is signed by the Director.
15. Clean Water Act
The Federal Water Pollution Control Act, also known as the Clean Water Act (CWA), as amended, 33 USC 1251, et. seq.
16. Composite Sample
A sample collected over a 24-hour period by continuous sampling or combining grab samples of at least 100 ml in such a manner as to result in a total sample representative of the wastewater discharge during the sample period. The Director may designate the most appropriate method (specific number and size of aliquots necessary, the time interval between grab samples, etc.) on a case-by-case basis. Samples may be collected manually or automatically. Composite samples may be obtained by the following methods:
 - (1) Continuous: a single, continuous sample collected over a 24-hour period proportional to the rate of flow.
 - (2) Constant time/variable volume: a series of grab samples collected at equal time intervals over a 24 hour period of discharge and combined proportional to the rate of flow measured at the time of individual sample collection, or
 - (3) Variable time/constant volume: a series of grab samples of equal volume collected over a 24 hour period with the time intervals between samples determined by a preset number of gallons passing the

sampling point. Flow measurement between sample intervals shall be determined by use of a flow recorder and totalizer, and the preset gallon interval between sample collection fixed at no greater than 1/24 of the expected total daily flow at the treatment system, or

- (4) Constant time/constant volume: a series of grab samples of equal volume collected over a 24-hour period at a constant time interval. Use of this method requires prior approval by the Director. This method may only be used in situations where effluent flow rates vary less than 15 percent. The following restrictions also apply:
- Influent and effluent grab samples shall be of equal size and of no less than 100 milliliters
 - Influent samples shall not be collected more than once per hour.
 - Permittees with wastewater treatment systems whose detention time < 24 hours shall collect effluent grab samples at intervals of no greater than 20 minutes apart during any 24-hour period.
 - Permittees with wastewater treatment systems whose detention time exceeds 24 hours shall collect effluent grab samples at least every six hours; there must be a minimum of four samples during a 24-hour sampling period.

17. Continuous flow measurement

Flow monitoring that occurs without interruption throughout the operating hours of the facility. Flow shall be monitored continually except for the infrequent times when there may be no flow or for infrequent maintenance activities on the flow device.

18. Daily Discharge

The discharge of a pollutant measured during a calendar day or any 24-hour period that reasonably represents the calendar day for purposes of sampling. For pollutants measured in units of mass, the "daily discharge" is calculated as the total mass of the pollutant discharged over the day. The "daily discharge" concentration comprises the mean concentration for a 24-hour sampling period as either a composite sample concentration or the arithmetic mean of all grab samples collected during that period. (40 CFR 122.2)

19. Daily Maximum

The highest "daily discharge" during the calendar month.

20. Daily Sampling

Parameters requiring daily sampling shall be sampled 5 out of every 7 days per week unless otherwise specified in the permit. Sampling shall be conducted on weekdays except where holidays or other disruptions of normal operations prevent weekday sampling. If sampling is required for all seven days of the week for any permit parameter(s), that requirement will be so noted on the Effluent Limitations and Monitoring Page(s).

21. Deicing

Deicing operations mean procedures and practices to remove or prevent any accumulation of snow or ice on an aircraft or paved surfaces within an airport's aircraft movement area (runway, taxiway, apron, or ramp).

22. Division or DWQ

The Division of Water Quality, Department of Environment and Natural Resources.

23. Director

The Director of the Division of Water Quality, the permit issuing authority.

24. EMC

The North Carolina Environmental Management Commission.

25. EPA

The United States Environmental Protection Agency

26. Facility Class
Cessation of all activities that require coverage under this NPDES permit. Completion of facility closure will allow this permit to be rescinded.
27. Geometric Mean
The Nth root of the product of the individual values where N = the number of individual values. For purposes of calculating the geometric mean, values of "0" (or "< [detection level]") shall be considered = 1.
28. Grab Sample
An individual sample collected instantaneously. Grab samples that will be analyzed (quantitatively or qualitatively) must be taken within the first 30 minutes of discharge.
29. Hazardous Substance
Any substance designated under 40 CFR Part 116 pursuant to Section 311 of the Clean Water Act.
30. Instantaneous measurement
A measure of flow taken at the time of sampling, when both the sample and flow will be representative of the total discharge.
31. Landfill
A disposal facility or part of a disposal facility where waste is placed in or on land and which is not a land treatment facility, a surface impoundment, an injection well, a hazardous waste long-term storage facility or a surface storage facility.
32. Measurable Storm Event
A measurable storm event is a storm event that results in an actual discharge from the permitted site outfall. The previous measurable storm event must have been at least 72 hours prior. The 72-hour storm interval may not apply if the permittee is able to document that a shorter interval is representative for local storm events during the sampling period, and obtains approval from the local DWQ Regional Office. Two copies of this information and a written request letter shall be sent to the local DWQ Regional Office. After authorization by the DWQ Regional Office, a written approval letter must be kept on site in the permittee's SPPP.
33. Monthly Average (concentration limit)
The arithmetic mean of all "daily discharges" of a pollutant measured during the calendar month. In the case of fecal coliform, the geometric mean of such discharges.
34. Municipal Separate Storm Sewer System
A stormwater collection system within an incorporated area of local self-government such as a city or town.
35. No Exposure
A condition of no exposure means that all industrial materials and activities are protected by a storm resistant shelter or acceptable storage containers to prevent exposure to rain, snow, snowmelt, or runoff. Industrial materials or activities include, but are not limited to, material handling equipment or activities, industrial machinery, raw materials, intermediate products, by-products, final products, or waste products. DWQ may grant a No Exposure Exclusion from NPDES Stormwater Permitting requirements only if a facility complies with the terms and conditions described in 40 CFR §122.26(g)
36. Notice of Intent
The state application form which, when submitted to the Division, officially indicates the facility's notice of intent to seek coverage under an Individual Permit.
37. Permit Issuing Authority
The Director of the Division of Water Quality.

38. Permittee
The owner or operator issued a certificate of coverage pursuant to this Individual Permit.
39. Point Source Discharge of Stormwater
Any discernible, confined and discrete conveyance including, but not specifically limited to, any pipe, ditch, channel, tunnel, conduit, well, or discrete fissure from which stormwater is or may be discharged to waters of the state.
40. Quarterly Average (concentration limit)
The average of all samples taken over a calendar quarter.
41. Representative Outfall Status
When it is established that the discharge of stormwater runoff from a single outfall is representative of the discharges at multiple outfalls, the DWQ may grant representative outfall status. Representative outfall status allows the permittee to perform analytical monitoring at a reduced number of outfalls.
42. Secondary Containment
Spill containment for the contents of the single largest tank within the containment structure plus sufficient freeboard to allow for the 25-year, 24-hour storm event.
43. Section 313 Water Priority Chemical
A chemical or chemical category which:
- a. Is listed in 40 CFR 372.65 pursuant to Section 313 of Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986, also titled the Emergency Planning and Community Right-to-Know Act of 1986;
 - b. Is present at or above threshold levels at a facility subject to SARA title III, Section 313 reporting requirements; and
 - c. Meets at least one of the following criteria:
 - (1) Is listed in appendix D of 40 CFR part 122 on Table II (organic priority pollutants), Table III (certain metals, cyanides, and phenols) or Table IV (certain toxic pollutants and hazardous substances);
 - (2) Is listed as a hazardous substance pursuant to section 311(b)(2)(A) of the CWA at 40 CFR 116.4; or
 - (3) Is a pollutant for which EPA has published acute or chronic water quality criteria.
44. Severe Property Damage
Means substantial physical damage to property, damage to the control facilities which causes them to become inoperable, or substantial and permanent loss of natural resources which can reasonably be expected to occur in the absence of a bypass. Severe property damage does not mean economic loss caused by delays in production.
45. Significant Materials
Includes, but is not limited to: raw materials; fuels; materials such as solvents, detergents, and plastic pellets; finished materials such as metallic products; raw materials used in food processing or production; hazardous substances designated under section 101(14) of CERCLA; any chemical the facility is required to report pursuant to section 313 of Title III of SARA; fertilizers; pesticides; and waste products such as ashes, slag and sludge that have the potential to be released with stormwater discharges.
46. Significant Spills
Includes, but is not limited to: releases of oil or hazardous substances in excess of reportable quantities under section 311 of the Clean Water Act (Ref: 40 CFR 110.10 and CFR 117.21) or section 102 of CERCLA (Ref: 40 CFR 302.4).

47. Stormwater Discharge Outfall (SDO)
The point of departure of stormwater from a discernible, confined, or discrete conveyance, including but not limited to, storm sewer pipes, drainage ditches, channels, spillways, or channelized collection areas, from which stormwater flows directly or indirectly into waters of the State of North Carolina.
48. Stormwater Runoff
The flow of water which results from precipitation and which occurs immediately following rainfall or as a result of snowmelt.
49. Stormwater Associated with Industrial Activity
The discharge from any point source which is used for collecting and conveying stormwater and which is directly related to manufacturing, processing or raw material storage areas at an industrial site. Facilities considered to be engaged in "industrial activities" include those activities defined in 40 CFR 122.26(b)(14). The term does not include discharges from facilities or activities excluded from the NPDES program.
50. Stormwater Pollution Prevention Plan
A comprehensive site-specific plan which details measures and practices to reduce stormwater pollution and is based on an evaluation of the pollution potential of the site.
51. Total Maximum Daily Load (TMDL)
TMDLs are written plans for attaining and maintaining water quality standards, in all seasons, for a specific water body and pollutant. (A list of approved TMDLs for the state of North Carolina can be found at <http://h2o.enr.state.nc.us/tmdl/>)
52. Toxic Pollutant
Any pollutant listed as toxic under Section 307(a)(1) of the Clean Water Act.
53. Vehicle Maintenance Activity
Vehicle rehabilitation, mechanical repairs, painting, fueling, lubrication, vehicle cleaning operations, or airport de-icing operations.
54. Visible Sedimentation
Solid particulate matter, both mineral and organic, that has been or is being transported by water, air, gravity, or ice from its site of origin which can be seen with the unaided eye.
55. 25-year, 24 hour storm event
The maximum 24-hour precipitation event expected to be equaled or exceeded, on the average, once in 25 years.
56. Weekly Average (concentration limit)
The arithmetic mean of all "daily discharges" of a pollutant measured during the calendar week. In the case of fecal coliform, the geometric mean of such discharges.

SUPPLEMENT TO MONITORING, CONTROLS AND LIMITATIONS FOR PERMITTED
DISCHARGES

PART VII SPECIAL CONDITIONS

A. ACUTE TOXICITY MONITORING- De-icing Events (Outfalls 002, 003, F, H, K)

The permittee shall conduct acute toxicity tests on discharges occurring from four (4) qualifying de-icing events using protocols defined in the North Carolina Procedure Document entitled "Pass/Fail Methodology for Determining Acute Toxicity in a Single Effluent Concentration" (Revised-July, 1992 or subsequent versions). The monitoring shall be performed as a "water flea" (*Ceriodaphnia dubia*) 48-hour static test.

Stormwater samples shall be collected as a single grab sample. Samples for self-monitoring purposes must be obtained during a qualified de-icing event.

If at any time there is significant mortality at a stormwater effluent concentration of 100%, the results will be considered as a benchmark exceedance of toxicity.

All toxicity testing results required as part of this permit condition will be entered on the Stormwater Discharge Monitoring Form (DMR) for the month in which it was performed, using the parameter code **TGA3B**. One copy shall be submitted to Central Files, and one copy shall be submitted to the Stormwater Permitting Unit as follows:

Attention: **Central Files**
Division of Water Quality
1617 Mail Service Center
Raleigh, North Carolina 27699-1617

Attention: **Stormwater Permitting Unit**
Division of Water Quality
1617 Mail Service Center
Raleigh, North Carolina 27699-1617

Additionally, **DWQ Form AT-2 for Acute Pass/Fail Tests** (original) is to be sent to the following address:

Attention: **NC DENR / DWQ / Environmental Sciences Section**
1621 Mail Service Center
Raleigh, North Carolina 27699-1621

Completed Aquatic Toxicity Test Forms shall be sent and postmarked to the Environmental Sciences Section and Central Files no later than 30 days after the end of the month in which the test was conducted.

Test data shall be complete and accurate and include all supporting chemical/physical measurements performed in association with the toxicity tests, as well as all dose/response data. Total residual chlorine of the stormwater toxicity sample must be measured and reported if chlorine is employed for disinfection of the stormwater discharge.

I. ACTIONS FOR FAILURE OF PASS/FAIL TESTING:

Should any single scheduled monitoring indicate a failure to meet toxicity benchmark levels, a series of measures shall occur:

- 1) **Within 30 calendar days** from availability of the test results, the permittee shall contact the Division SPU Central Office *and* the Regional Office Supervisor *in writing*.
 - a. **If other stormwater monitoring parameters have exceeded benchmark values**, the Regional Office *may* exempt the permittee from additional acute toxicity monitoring (other than regularly scheduled test periods), *at the Regional Office's discretion*. The permittee shall continue to address all other stormwater parameter benchmark exceedances.
 - b. **If the permittee has *not* exceeded other benchmark values, *or* if the Regional Office does *not* exempt the permittee from additional monitoring**, the permittee shall immediately institute acute toxicity monitoring during one qualifying de-icing event per month; with a 48-hour multiple dilution test per U.S. EPA Method 2002.0: "Methods for Measuring the Acute Toxicity of Effluents to Freshwater and Marine Organisms," EPA 821/R-02/012 (October 2002).

II. ACTIONS IF MONTHLY MONITORING IS INSTITUTED (MULTIPLE-DILUTION TESTING):

If *monthly* acute toxicity monitoring is instituted per Section I above, the permittee shall perform the tests per the following conditions:

- 1) An LC50 greater than 100% shall be used as a benchmark passing endpoint; Stormwater Permitting Unit (SPU) Central Office may determine alternative endpoints as "passing" on a case-by-case basis, depending on the specific characteristics of the facility's stormwater discharge. **Multiple dilution tests will be run at 100%, 50%, 25%, 12.5%, 6.25% and 0% stormwater** unless other test concentrations are determined appropriate by the Stormwater Permitting Unit (SPU) Central Office.
- 2) Multiple Dilution Test Results shall be submitted on form AT-1 for Acute Multiple Dilution Tests. The parameter code is **TAA3B**. The permittee shall:
 - a. Submit form AT-1 (original) to the DWQ Environmental Sciences Section.
 - b. Send a completed a Stormwater DMR form (original) with an attached form AT-1 (original) to DWQ Central Files.
 - c. Send a completed a Stormwater DMR form (copy) with an attached form AT-1 (copy) to the DWQ Stormwater Permitting Unit.
- 3) The permittee shall perform *monthly* acute toxicity monitoring **until one of the following permit conditions is met:**
 - a. **THREE CONSECUTIVE MULTIPLE-DILUTION TESTS PASS.** No further tests need to be performed until next regularly scheduled test period.

-OR-
 - b. **EITHER OF THE FOLLOWING OCCURS:**
 - i. A **TOTAL OF FIVE** MULTIPLE-DILUTION TESTS FAIL
-OR-
 - ii. **THREE CONSECUTIVE** MULTIPLE-DILUTION TESTS FAIL.
If either of the above occurs, *further actions are necessary*. See III below.
- 4) **The permittee shall submit a summary** of all test results for the multiple dilution test series along with complete copies of the test reports as received from the laboratory to the Regional Office Supervisor, to DWQ Central Files and to SPU. These shall be sent and postmarked within 30 calendar days of receipt of the last failed or passed multiple-dilution test (as described above in II. 3)).

III. ACTIONS FOR FAILURE OF MULTIPLE DILUTION TESTS (TRE, TRI or OTHER MEASURES):

If the permittee fails either A TOTAL OF FIVE multiple-dilution tests or THE THIRD CONSECUTIVE multiple-dilution test as described in Section II. 3) b., the permittee shall execute the following:

- 1) A toxicity reduction evaluation (TRE) shall be automatically instituted. Within 30 calendar days from availability of the test results, the permittee shall contact the Division SPU Central Office and the Regional Office Supervisor in writing.
 - a. The permittee shall submit one copy of a plan for conducting a TRE to the DWQ SPU, and one copy to the DWQ Environmental Sciences' Section. These copies shall be submitted within 60 calendar days of the date of DWQ SPU's direction to perform the TRE.
 - b. This plan must be approved by DWQ SPU before the TRE is begun. A schedule for completing the TRE shall be established in the plan approval. A Toxicity Identification Evaluation (TIE) may be a component of the TRE.
 - c. Upon DWQ's approval, the TRE schedule may be modified if toxicity is intermittent during the TRE investigations. A revised WET test schedule may be established by DWQ for this period.

- 2) Additionally after the first year that TRE results have been collected and submitted, *depending on results* the Regional Office *may* (among options):
 - Require the permittee to install structural stormwater controls;
 - Require the permittee to implement other stormwater control measures or BMPs;
 - Require the permittee to collect and treat the discharge and/or eliminate the discharge;
 - Require that the permittee implement site modifications to qualify for the No Exposure Exclusion; or
 - Require that the permittee perform up-stream and downstream biological assessment in the receiving water.

IV. MEASURES APPLICABLE TO ALL TESTS:

All acute toxicity test results shall be submitted in a concise summary at the end of the five year permit term. One copy of this report shall be sent to the Regional Office Supervisor, one copy to the SPU Central Office, and one copy to the DWQ Environmental Sciences Section.

Should any test data from either these monitoring requirements or tests performed by the North Carolina Division of Water Quality indicate potential impacts to the receiving stream, this permit may be re-opened and modified to include alternate monitoring requirements.

If the Permittee monitors any pollutant more frequently than required by this permit, the results of such monitoring shall be included in the calculation & reporting of the data submitted on the DMR & all Acute Toxicity Forms submitted.

NOTE: Failure to achieve test conditions as specified in the cited document, such as minimum control organism survival and appropriate environmental controls, shall constitute an invalid test and will require immediate follow-up testing to be completed during the next qualified de-icing event following the permittee's receipt of laboratory results.

B. ANNUAL CDIA SUMMARY ON TOTAL GLYCOL AND UREA USAGE

Glycol and Urea Usage. The permittee shall be responsible for summarizing the total amount of glycol (and urea if applicable) dispensed each month for de-icing/anti-icing activities, and submit this data on an annual basis. This information shall be submitted annually with the May DMR for Outfall 001, covering glycol and urea usage for the period starting June 1st of the previous year, through May 31st of the current year.

C. VEHICLE, EQUIPMENT, AND/OR AIRCRAFT WASHING

Washwaters from vehicle, equipment, and/or aircraft washing should be minimized and Best Management Practices followed to prevent any impact on the receiving streams. At a minimum all detergents used shall be biodegradable and the pH of the resultant washwater maintained between 6 and 9 standard units. There shall be no discharge of floating solids or visible foam in other than trace amounts from the outfalls to the receiving streams.

Where a significant amount of washing activities are known to occur (R23 area to Outfall 002 and 5601 Wilkinson Blvd. to Outfall 003), preventative measures such as the placement of sponges or sorbent materials in or around drains shall be used to remove oils, grease and foam from the washwaters prior to discharge. At no time shall the resultant washwaters cause or contribute to a water quality standard violation.



31 December 2014

Julie A. Grzyb, Environmental Engineer
NC DENR - Division of Water Resources
WQ Permitting Section - NPDES
512 N. Salisbury Street
9th Floor – Archdale Building
Raleigh, NC 27604

Ms. Grzyb:

Enclosed you will find the renewal application (Short Form C in **Appendix A**) and other supporting documents for Charlotte Douglas International Airport's NPDES Individual Permit renewal request. The permit primarily allows discharge of stormwater, treated wastewater, spent de-icing fluid, and washwater. Other permitted non-stormwater discharges may include uncontaminated groundwater, foundation drains, air-conditioning condensate, springs, waterline and hydrant flush, water from footing drains, and flows from riparian habitats and wetlands. Several airport tenants should be listed as co-permittees on the new permit. The co-permittee request list is included as **Table 1 (Appendix D)**. All co-permittees will be bound to the terms and conditions of the new permit and will also be required to attend annual Stormwater Pollution Prevention Training given in the fall of each year. The current permit expires June 30, 2015.

Outfall Monitoring

Since re-issuance of the current permit in 2011, the airport has monitored 27 basin outfalls, each stormwater basin and outfall is summarized in **Table 3**. **Figure 1 (Appendix F)** displays a topographic map identifying each outfall. **Figure 2** displays drainage area locations and the outfalls they discharge to. Periodic analytical testing is performed at seven outfalls (001, 002, 003, 004, F, H, and K), 004 is an in stream monitoring point, see **Tables 4, 4A, 4B, 4C, 4D, 4E, 4F, and 4G** for analytical summaries. The remaining twenty basins are assessed visually at least two times per year, as summarize by **Table 5**. It is important to note that the North Carolina Air National Guard (NCANG) maintains a separate NPDES permit for their operations on Airport property between Runway 36R/18L and Airport Drive. The NCANG reportedly monitors five outfalls adjacent to that roadway, three of which are also monitored (visually) by the Airport. **Table 3** denotes the three outfalls which are monitored by both NCANG and the Airport.

The airport and its contractor are currently working to finalize the new 2014 Stormwater Pollution Prevention Plan (SPPP). Once the SPPP is complete, the updated detailed site plan will be submitted (early 2015) as part of an amendment to this application.

New Outfalls

No new outfalls have been in use since the 2010 application. New outfall location(s) may be appropriate and expected, given the anticipated March 2015 completion of the Airport's "Rental Car Village" located north of the Airfield off Wilkinson Boulevard, see **Figure 3** for location.



Airport De-Icing

A single contractor (IDS, LLC) performs aircraft de-icing for all regularly scheduled commercial flights at CLT. Aircraft are sprayed on de-icing pads located adjacent to runway 5/23, or, on the south cargo ramp. General Aviation de-icing services are provided by Wilson Air Center, located on Airport drive and to the east of runway 36R/18L. **Figure 3** displays the de-icing locations described above. Aircraft de-icing is performed primarily in the Coffee Basin, Ramp Basin, and the FBO Basin. No significant changes are planned with respect to where de-icing will occur in the future.

In accordance with permit special condition A9 (h), the Airport has been submitting de-icing usage data on an annual basis. The information has been submitted in the Month of June with the May Discharge Monitoring Report (DMR). **Tables 2, 2A, and 2B** summarize de-icing fluid usage during 2011-2014.

Best Management Practices (BMPs)

Best Management Practices are summarized by **Appendix E**. Certification of the Airport's SPPP is included in **Appendix G**.

Facility Changes

Although operations at the airport have not significantly changed during the permit period, significant facility improvements and infrastructural changes have occurred. Item No. 7 in **Appendix B** further lists significant changes that have occurred at the facility.

Supplemental information required for renewal of individual NPDES Stormwater Permit is verified in **Appendix C**. Should you or other members of your review team need additional information, please do not hesitate to contact me at (704) 716-0734.

Sincerely,
URS Corporation – North Carolina

James P. McDorman, P.G.
Senior Geologist

Cc: Mr. Jimmy Jordan, P.G., Charlotte Aviation Department

Appendix A
Short Form C – NPDES Permit Application

NPDES PERMIT APPLICATION – SHORT FORM C – Minor Industrial
Minor industrial, manufacturing and commercial facilities.

Mail the complete application to:
N. C. Department of Environment and Natural Resources
Division of Water Quality / NPDES Unit
1617 Mail Service Center, Raleigh, NC 27699-1617

NPDES Permit Number NC0083887

Please print or type.

1. Contact Information:

Owner Name	City of Charlotte
Facility Name	Charlotte Douglas International Airport
Mailing Address	P.O. Box 19066
City	Charlotte
State / Zip Code	North Carolina 28219
Telephone Number	(704) 359-4000
Fax Number	(704) 359-4950
e-mail Address	jdjordan@charlotteairport.com

2. Location of facility producing discharge:

Check here if same as above

Street Address or State Road	5501 Josh Birmingham Parkway
City	Charlotte
State / Zip Code	North Carolina 28208
County	Mecklenburg

3. Operator Information:

Name of the firm, consultant or other entity that operates the facility. (Note that this is not referring to the Operator in Responsible Charge or ORC)

Name	City of Charlotte - Aviation
Mailing Address	5601 Wilkinson Boulevard
City	Charlotte
State / Zip Code	North Carolina 28208
Telephone Number	(704) 359-4916
Fax Number	(704) 359-4950

4. Ownership Status:

Federal State Private Public

NPDES PERMIT APPLICATION – SHORT FORM C – Minor Industrial
Minor industrial, manufacturing and commercial facilities.

11. Frequency of discharge: Continuous Intermittent
If intermittent: Days per week discharge occurs: _____ **Duration:** _____

12. Types of wastewater discharged to surface waters only

Discharge	Flow (GALLONS PER DAY)
Sanitary - monthly average	None known
Utility water, etc. - monthly average	None Known
Process water - monthly average	None known
Stormwater – monthly average	Approximately 100 million gallons
Other – monthly average Explain: Holding water-ASIG fuel farm	Included above
Monthly Average total discharge (all types)	Approximately 100 million gallons

13. Number of separate discharge points: See Table 3. **Outfall Identification number(s)** See Table 3.

14. Name of receiving stream(s) *(Provide a map showing the exact location of each outfall, including latitude and longitude):*

Stormwater Outfall Information is summarized by Table 3 and is also illustrated by Figure 1.

15. Effluent Data [for new or proposed discharges] – Please refer to Tables 4 (A,B,C,D,E,F, and G) and 5.

Provide data for the parameters listed. Temperature and pH shall be grab samples, for all other parameters 24-hour composite sampling shall be used. If more than one analysis is reported, report daily maximum and monthly average. If only one analysis is reported, report as daily maximum.

NOTE: Permittees requesting renewal should complete the table ONLY for the parameters currently monitored. Summarize the past 3 years of effluent data.

Parameter	Daily Maximum	Monthly Average	Units of Measurement
Biochemical Oxygen Demand (BOD5)			
Chemical Oxygen Demand (COD)			
Total Organic Carbon			
Total Suspended Solids			
Ammonia as N			
Temperature (Summer)			
Temperature (Winter)			
pH			
Fecal Coliform (If sanitary waste is present)			
Total Residual Chlorine (if chlorine is used)			

NPDES PERMIT APPLICATION – SHORT FORM C – Minor Industrial
Minor industrial, manufacturing and commercial facilities.

16. List all permits, construction approvals and/or applications (check all that apply and provide permit numbers or check none if not applicable):

Type	Permit Number	Type	Permit Number
Hazardous Waste (RCRA)	NCD986216281	NESHAPS (CAA)	_____
UIC (SDWA)	_____	Ocean Dumping (MPRSA)	_____
NPDES	NC0083887	Dredge or fill (Section 404 or CWA)	_____
PSD (CAA)	_____	Other	_____
Non-attainment program (CAA)	_____		

17. List any chemicals that may be discharged (Please list and explain source and potential amounts.)

Benzene, toluene, ethyl benzene, xylenes (outfall 001 only, ppb concentrations)

Oil and grease (45 mg/L maximum)

Biodegradeable detergents from vehicle, equipment, and aircraft washing

Propylene glycol from winter de-icing operations

MBAS (detergent/deodorizers)

Ammonia – Urea used as pavement de-icer in winter months

18. Is this facility located on Indian country? (check one)

Yes

No

19. Applicant Certification

I certify that I am familiar with the information contained in the application and that to the best of my knowledge and belief such information is true, complete, and accurate.

Brent Cagle

Printed name of Person Signing

Aviation Director

Title

Brent Cagle

Signature of Applicant

12/30/14

Date

North Carolina General Statute 143-215.6 (b)(2) provides that: Any person who knowingly makes any false statement representation, or certification in any application, record, report, plan, or other document files or required to be maintained under Article 21 or regulations of the Environmental Management Commission implementing that Article, or who falsifies, tampers with, or knowingly renders inaccurate any recording or monitoring device or method required to be operated or maintained under Article 21 or regulations of the Environmental Management Commission implementing that Article, shall be guilty of a misdemeanor punishable by a fine not to exceed \$25,000, or by imprisonment not to exceed six months, or by both. (18 U.S.C. Section 1001 provides a punishment by a fine of not more than \$25,000 or imprisonment not more than 5 years, or both, for a similar offense.)

Appendix B
Response to NC DENR Questions/Information Requests

In addition to the Short Form C renewal application, following are some questions that must be answered in order to process the CDIA permit renewal. On page 3 a questionnaire titled "SUPPLEMENTAL INFORMATION REQUIRED FOR RENEWAL OF INDIVIDUAL NPDES STORMWATER PERMIT" is attached. Some of the information requested on that form is contained in the 12 questions below but please review them and add any additional information requested to your answers if not already addressed.

1. Are there Co-Permittees to be listed on the NPDES permit? **Yes, see Table 1.**
2. Does the facility have over 1,000 annual jet departures? **Yes**
3. Does the facility use 460,000 gallons or more of normalized ADF per year? **No, see Tables 2, 2A, and 2B.**
4. In accordance with 40 CFR parts 9 and 449 – There shall be no discharge of airfield pavement deicers containing urea. To comply with this limitation, any existing point source must certify annually that it does not use airfield deicing products that contain urea or alternatively, airfield pavement discharges at every discharge point must achieve the numeric limitations for ammonia as nitrogen in Table 1, prior to any dilution or commingling with any nonde-icing discharge.

TABLE 1—BAT LIMITATIONS		
Wastestream	Pollutant	Daily maximum
Airfield Pavement Deicing	Ammonia as Nitrogen	14.7 mg/L.

If the Airport is going to continue the use of urea based products a sampling station must be developed and identified at every stormwater discharge point that can possibly contain pavement de-icers. This information should be addressed and included on the Table/Chart created to answer question # 6 below. **In stream sampling is conducted for each de-icing event at 002 and 004. Analytical sampling for ADF is conducted at 002, 003, 004, F, H, and K for each de-icing event. See Tables 4B, 4C, 4D, 4E, 4F, and 4G.**

5. Total Glycol and Urea usage during 2011 - 2014. Report usage data broken down by year and month for Propylene Glycol (type I, type II, etc.), Ethylene Glycol, Total Glycol (gallons), and Urea (gallons). No need to report months when no glycol or ureas are used. **See Tables 2, 2A, and 2B.**
6. Provide a topographic map identifying each outfall and another map(s) showing each drainage area and the outfall(s) it will discharge to. Provide a table or chart which lists each outfall, its location (description, latitude and longitude), a description of treatment provided prior to discharge, receiving stream, and activities performed in that drainage area (Jet fuel storage (amount), De-icing, vehicle washing, anti-icing, etc.). Questions 11, 12, and 17 in the Short Form C application should be answered for each outfall and answers can be put into a simple chart or table if preferred. **See Figures 1 and 2; also see Table 3 in Appendix D.**
7. Summarize the changes that have occurred since the last permit application was submitted. Clearly identify new outfalls and drainage areas in maps and tables requested above.

Changes that have occurred since last application was submitted include the following, also see Table 3:

- **Construction of Rental Car Village (Perimeter Area of Airport),**
 - **Construction of Valet Parking Deck 1 (CLT Center),**
 - **Construction of Valet Parking Deck 2 (CLT Center),**
 - **Construction of Taxiway D North Extension,**
 - **Construction of Taxiway D South Extension,**
 - **Construction of Airport Entrance Road,**
 - **Danga Lake Dam,**
 - **K West Detainment Structure,**
 - **Airport Consolidate De-icing Facility,**
 - **Airport De-icing Pads,**
 - **Norfolk Southern Intermodal Facility, and**
 - **Hourly Parking Deck**
8. Summarize last 10-12 data points for each sampled parameter from outfalls 001 through 004. Provide the mean and max. Parameters detected below detection levels should be listed as less than the detection level used (i.e. < 1 ug/L). For outfalls 001, 002, 003, answer question 15. Data collected during the last three years may be used to answer the question. If samples were not taken for any of the parameters listed a sample should be taken and tested. **See Tables 4, 4A, 4B, 4C, 4D, 4E, 4F, and 4G.**
9. Ammonia as nitrogen data collected during the last three years for any of the stormwater outfalls should be summarized in a table. **See Tables 4B, 4C, 4D, 4E, 4F, and 4G.**
10. If possible, new outfalls (being requested in this permit application but already in use) which drain areas exposed to ADF, fuels or surfaces where industrial activities are occurring should be tested at least one time as specified under the requirements listed for outfall 001 Part II, Section E. (1.) in the current permit and the data submitted with the permit application. An acute toxicity test is not necessary but grab samples should be collected and analyzed for COD and Ammonia as N for the new outfalls in use as well. **No new outfalls are already in use.**
11. See Stormwater questionnaire below. **See Appendix C.**
12. Summarize Acute Toxicity (%) tests from the current permit effective date to present-date for outfalls 001, 002, and 003. **See Tables 4A, 4B, 4C, 4D, 4E, 4F, and 4G.**

Please simply refer to these tables or charts requested above in the Short Form C where appropriate, no need to duplicate answers.

These questions apply to all Stormwater Outfalls excluding Outfall 001 (Jet Fuels. Tank Farm)

Appendix C
Supplemental Information Required for Renewal of
Individual NPDES Stormwater Permit

**SUPPLEMENTAL INFORMATION REQUIRED FOR RENEWAL OF INDIVIDUAL
NPDES STORMWATER PERMIT**

Two copies of each of the following shall accompany this submittal in order for the application to be considered complete:

(Do **not** submit the site Stormwater Pollution Prevention Plan)

Initials

- Jm 1. A current Site Map from the Stormwater Pollution Prevention Plan. The location of industrial activities (including storage of materials, disposal areas, process areas and loading and unloading areas), drainage structures, drainage areas for each outfall, building locations and impervious surfaces should be clearly noted.
- Jm 2. A summary of Analytical Monitoring results during the term of the existing permit (if your permit required analytical sampling). Do not submit individual lab reports. The summary can consist of a table including such items as outfall number, parameters sampled, lab results, date sampled, and storm event data. ★
- Jm 3. A summary of the Visual Monitoring results. Do not submit individual monitoring reports. The summary can consist of a table including such items as outfall number, parameters surveyed, observations, and date monitoring conducted.
- Jm 4. A summary of the Best Management Practices utilized at the permitted facility. Summary should consist of a short narrative description of each BMP's in place at the facility. If the implementation of any BMP's is planned, please include information on these BMP's.
- Jm 5. A short narrative describing any significant changes in industrial activities at the permitted facility. Significant changes could include the addition or deletion of work processes, changes in material handling practices, changes in material storage practices, and/or changes in the raw materials used by the facility.
- Jm 6. Certification of the development and implementation of a Stormwater Pollution Prevention Plan for the permitted facility (Sign and return attached form).

If the final year analytical monitoring of the existing permit term has not been completed prior to filing the renewal submittal, then the last years monitoring results should be submitted within 30 days of receipt of the laboratory reports. (i.e. do not withhold renewal submittal waiting on lab results)

Representative storm sampling may now be conducted anytime during the year (the April to November window has been eliminated) and the representative rainfall event is now defined as a storm event that measures greater than 0.1 inches and is preceded by at least 72 hours in which no storm event measuring greater than 0.1 inches has occurred.

Appendix D
Tables

1. *Airport's Co-Permittee Request List*
2. *Summary of De-Icing Usage 2011-2014*
3. *Summary of Stormwater Basins and Stormwater Outfalls*
4. *Summary of Laboratory Analytical Reports – Outfalls 001, 002, 003, 004, F, H, and K*
5. *Summary of 2011-2014 Qualitative Monitoring Reports*

CDIA TENANT LIST

REVISED 12/22/2014

Table 1

Co-Permittees for NPDES Permit NC0083887
Advantage Rent a Car
Air Service International Group (ASIG)
Air General
Air Canada
American Airlines
American Eagle
Avis Budget Group
Bank of America
Carolinas Historic Aviation Commission and Museum
Carolina Aircraft Services
Charlotte-Douglas International Airport - CLT Center
Charlotte-Mecklenburg Police Department (CMPD) Aviation
Charlotte Fire Department Station ARFF 41
Charlotte Fire Department Station No. 17
Coca-Cola Aviation
Delta Air Lines
Delta Global Services
Dollar Thrifty Automotive Group, Inc.
Duke Energy
Enterprise (Enterprise Holdings, Inc)
Express Jet
Family Dollar
Federal Express
Frontier Airlines
GAT (Ground Aviation Terminal)
G2 Secure Services
Hertz Car Rental
Insell Air
International De-icing Services LLC, (IDS)
HMS Host
JetBlue Airways
JetStream Ground Services, Inc.
LSG Sky Chefs
Lufthansa German Airlines
MedCenter Air
National/Alamo Car Rental
Piedmont Airlines GSE
Piedmont Catering
PSA Airlines
Roush Air
Sonic Aviation
Southwest Airlines

CDIA TENANT LIST

REVISED 12/22/2014

Co-Permittees for NPDES Permit NC0083887
SPX Hangar
Teal Aviation
United Airlines
United Parcel Service
US Airways
US Airways Base Maintenance Facility
US Airways Cargo
US Airways Catering
US Airways Engine Shop
US Airways Express
US Airways GSE Maintenance Facility
US Airways Line Maintenance Facility
US Airways Stock Distribution Center
Wilson Air Center
Worldwide Flight Services
Worldwide Flight Services GSE

Table 2-Summary of Aircraft De-Icing Fluid Usage - Charlotte Douglas International Airport, Winter Season of October 2011 - April 2012

*Usage In Gallons of Fluid Prior to Dilution

Month Fluid Type	Oct-11				Nov-11				Dec-11				Jan-12				Feb-12				Mar-12				Apr-12				Totals				
	P1	P4	E1	E4	P1	P4	E1	E4	P1	P4	E1	E4	P1	P4	E1	E4	P1	P4	E1	E4	P1	P4	E1	E4	P1	P4	E1	E4					
Airtran /Southwest					54				108	0			51	0			111	42			0												366
American					0				83	0			114	0			102	0			25				0				0				324
US Airways	28				268				360	0			203	0			1002	187			0				5				5				2053
FEDEX									0	60			0	0			0	0															60
JetBlue					37				56	0			35	0			45	36			0				0				0				209
Insel Air					0				0	0			0	0			0	0			0				0				0				0
US Airways Express	8				38				60	0			77	0			780	208			0				0				0				1171
Rousch/Fenway					0				0	0			0	0	0		0	0			0				0				0				0
United					50				302				145	250			275				60												1082
General Aviation									395	195			585	243			43	18															1479
Monthly Totals	36				447				1619				1703				2849				85				5								

P1 - Propylene Glycol, Type 1
P4- Propylene Glycol, Type 4
E1 - Ethylene Glycol, Type 1
E4 - Ethylene Glycol, Type 4

Total Gallons Used: 6744

* Tenants not seen on this list used 0 gallons of de-icing fluid in the 2011 - 2012 winter season.

Table 2A-Summary of Aircraft De-icing Fluid Usage - Charlotte Douglas International Airport, Winter Season of October 2012 - April 2013

*Usage In Gallons of Fluid Prior to Dilution

Month	Oct-12				Nov-12				Dec-12				Jan-13				Feb-13				Mar-13				Apr-13				Totals				
	P1	P4	E1	E4	P1	P4	E1	E4	P1	P4	E1	E4	P1	P4	E1	E4	P1	P4	E1	E4	P1	P4	E1	E4	P1	P4	E1	E4					
Airtran /Southwest	0	0			41	0			40				146	31			107	51			106	0											522
American	0	0			64	0			58	0			187	0			592	0			168	0											1069
US Airways	4	0			160	0			138	0			7208	3769			15398	2621			2031	1451											32780
FEDEX	0				0				0				0				0				0												0
JetBlue	0	0			32	0			12	0			46	44			99	61															294
Insel Air	0				0				0				0				0				0												0
US Airways Express	0	0			10	0			44	0			6881	1423			9535	3291			1511	1528			0	0			0	0			24223
Rousch/Fenway	0				0				0				0				0				0												0
United	0	0			370				89				417	70			312	80			718	250			0	0			0	0			2306
Delta	0	0			8	0			41	0			134	65			0	0			3	0			0	0			0	0			
Lufthansa German																	517	0			31	0											
General Aviation	0	0			31	0			9	0			259	109			403	43			49				0				0				903
Monthly Totals	4				716				431				20789				33110				7846				0								

P1 - Propylene Glycol, Type 1

P4- Propylene Glycol, Type 4

E1 - Ethylene Glycol, Type 1

E4 - Ethylene Glycol, Type 4

Total Gallons Used:

62896

* Tenants not seen on this list used 0 gallons of de-icing fluid in the 2012 - 2013 winter season.

Table 2B-Summary of Aircraft De-icing Fluid Usage - Charlotte Douglas International Airport, Winter Season of October 2013 - April 2014

*Usage In Gallons of Fluid Prior to Dilution

Month Fluid Type	Oct-13				Nov-13				Dec-13				Jan-14				Feb-14				Mar-14				Apr-14				Totals				
	P1	P4	E1	E4	P1	P4	E1	E4	P1	P4	E1	E4	P1	P4	E1	E4	P1	P4	E1	E4	P1	P4	E1	E4	P1	P4	E1	E4					
Airtran /Southwest	131				191				272				679	49			1251				354	75											3002
American	26				60				136				351				270	125			80	37			0								1085
US Airways	116				439				399				6771	3508			39125	19137			1400	2078			0								72973
FEDEX	0				0				280				150	895			1900			125	680			250									4280
JetBlue*	0				0				0				0				0				0				0								0
Insel Air*	0				0				0				0				0				0				0								0
US Airways Express	13				138	100			51	0			3643	2115			7552	3873			1157	1283			0								19925
UPS	0				0				16				276	180			76	186			95	91											920
United	0				336				443				925	200			543	620			140												3207
Delta	99				184				288				817	292			1352	574			232				0								
Lufthansa German	0				0				0				240	174			85	0			354	75											
General Aviation	0				11				85				172	16			1185	338			139	55											2001
Monthly Totals	385				1459				1970				21453				78317				8575				0								

P1 - Propylene Glycol, Type 1
P4- Propylene Glycol, Type 4
E1 - Ethylene Glycol, Type 1
E4 - Ethylene Glycol, Type 4

Total Gallons Used: 112159

* These airlines did not require de-icing during the winter season, due to their operational schedules out of CLT

Table 3 - Summary of Stormwater Basins and Stormwater Outfalls - Charlotte Douglas International Airport NCO083887

Basin Name	General Description	Outfall Location	Coordinates	Treatment	Receiving Water	Activities
Tier Creek *	Aircraft Fuel Storage Farm 2.8 acres, 96% impervious	North of Fuel Farm - Outfall 001	35°13'45.99" North 80°56'55.10" West	OWS Holding Pond and 3 GAC Containers	Tier Branch	Vehicle Fueling Area, Main Aircraft Fuel Storage Area
Coffey /Ramp *	Ditch's majority of infield 1824 Acres, 50% impervious	NC 160 and Coffee Creek - Outfall 002	35°11'50.01" North 80°56'53.52" West		Coffey Creek	aircraft and vehicle fueling, maintenance, sanitation services, deicing, washing, cargo handling, painting stripping, chemical storage and use, pesticide & herbicide usage
FBO *	Corporate Aviation Area East of Runway 36R/38L Background monitoring point	West of Airport Drive near Sentry post Outfall 003 Between Josh Birmingham and Willinson Blvd, behind CIT center	35°12'24.64" North 80°55'44.67" West	Holding Pond	Taggart Creek	aircraft and vehicle fueling, maintenance, sanitation services, deicing, washing, cargo handling, painting None - In-stream sampling point
ANG**	Air National Guard Facilities	East of Minuteman Way	35°13'12.00" North 80°55'36.39" West		Taggart Creek	stripping, chemical storage and use, pesticide & herbicide usage Under permit by NCANG
T-hammer **	41.4 acres, 85% impervious		35°12'45.57" North 80°55'40.55" West			Aircraft and vehicle fueling and maintenance, de-icing, sanitary services, washing, chemical storage, pesticide & herbicide use, freighting drill discharges
R-23	Carolina Aviation Museum 66 Acres, 21% impervious	Northeast of Runway 23 across Airport Drive	35°13'28.29" North 80°55'48.75" West	Holding Pond	Taggart Creek	Chemical and fuel usage and storage, aircraft maintenance pesticide herbicide usage, equipment washing
Taggart Creek **	Northeast Area 15% impervious	east of Minuteman Way just SW of Winston Container	35°12'59.05" North 80°55'31.64" West	None	Taggart Creek	Aircraft fueling, chemical storage, equipment storage Cola, Wachovia, Duke Energy, NCANG not included
Air Cargo	South Portion Runway 36R Yorlmont Cargo Area	Same as FBO	35°12'24.64" North 80°55'44.67" West	Holding Pond	Taggart Creek	aircraft and vehicle fueling, maintenance, sanitation services, deicing, washing, cargo handling, painting stripping, chemical storage and use, pesticide & herbicide usage
Sentry Post	14% impervious		35°12'11.54" North 80°55'31.07" West	None	Taggart Creek	chemical storage, equipment maintenance, washing pesticide and herbicide usage, painting, stripping, vehicle
Runway 36R	southeast Airport Area	East of Yorkmont Road	35°12'03.64" North 80°55'40.08" West	None	Taggart Creek	No activities
A Basin	North of Taxiway N	North of Old Dowd Road	35°13'49" North 80°57'54" West	none	Tier Branch	No activities
B Basin	North/East of Runway 18R	Between RR and Old Dowd Rd.	35°13'49" North 80°57'54" West	none	Tier Branch	No activities
C Basin	Northeast corner Runway 18R	Northeast edge of property	35°13'43" North 80°58'12" West	none	Tier Branch	No activities
D Basin	Northeast corner Runway 18R	Northeast edge of property	35°13'38" North 80°58'13" West	none	Lake Wylie	Aircraft Movement Area / Periodic generator fueling
E Basin	Northeast corner Runway 18R	Northeast edge of property	35°13'32" North 80°58'12" West	none	Lake Wylie	No activities
F Basin*	North runway area	between I-485 and Wallace Neel Rd.	35°13'19" North 80°58'11" West	none	Lake Wylie	Aircraft Movement Area only as of January 6, 2010
G Basin	North runway area	between I-485 and Wallace Neel Rd.	35°13'03" North 80°58'07" West	none	Paw Creek	Aircraft Movement Area only as of January 6, 2010
Danga Lake	Danga Lake	West of I-485, Danga Dam	35°12'49" North 80°58'20" West	Pond	Danga Lake	No activities
H Basin*	large area between N and S	between I-485 and Wallace Neel Rd.	35°12'51" North 80°58'09" West	none	Danga Lake	Aircraft Movement Area only as of January 6, 2010
K West Basin*	small area west of runway 18R/36L	west of future K West pond	35°12'25" North 80°58'17" West	Pond	Little Paw Creek	No activities
K Basin	South Runway 36L Area	between I-485 and Wallace Neel Rd.	35°12'24" North 80°58'09" West	none	Little Paw Creek	Aircraft Movement Area only as of January 6, 2010
L Basin	South Runway 36L Area	between I-485 and Wallace Neel Rd.	35°12'08" North 80°58'09" West	none	Beaverdam Creek	Aircraft Movement Area / Periodic generator fueling
M Basin	Southwest Airport, off 18R/36L	West of Wallace Neel Road	35°11'50" North 80°58'03" West	none	Beaverdam Creek	No activities
N Basin	Almost identical to Coffee Ramp Basin listed above	Same as Coffee / Ramp Outfall	35°11'50" North 80°56'53" West	none	Coffee Creek	Aircraft Movement Area only as of January 6, 2010
O Basin	South of Taxiway S, between Runways 36C and 36L	Southeast Runway 18/36C	35°12'03" North 80°56'54" West	none	Coffee Creek	Freighting drill discharges
R Basin	South area	South of Runway 36C	35°11'55" North 80°56'57" West	none	Coffee Creek	Aircraft Movement Area

* = Outfall requires periodic Analytical Testing

** = Monitored and sampled by North Carolina Air National Guard

Changes since December 2009 Application

Basin Name	General Description	Outfall Location	Coordinates	Treatment	Receiving Water	Activities
GLT Center	Charlotte Aviation Dept. Offices and Airport Parking Deck	NA	35°14'02" North 80°56'05" West	None	Sugar Creek Watershed	Office and Maintenance space, Business Visit Parking. No pavement de-icers or ADF used. No debris or foam discharge
Rental Car Village (6520 Reckham Dr.)	Maintenance and upkeep of Rental Vehicles	NA***	35°14'24" North 80°57'03" West	None	Paw Creek Watershed	Vehicle maintenance, cleaning and washing. No pavement de-icers or ADF used. No debris or foam discharge

*** = future

Table 4 - Outfall 001, Summary of Monthly Effluent Analytical Results NC0083887

Date	Flow	TSS	Oil and Grease	pH	Benzene	Ethylbenzene	Toluene	Xylene
10/25/2011	NM	< 5.0	<5.0	6.83	<0.5	<0.5	<0.5	< 3.0
11/29/2011	0.08	NM	<5.0	NM	NM	NM	NM	NM
1/27/2012	0.065	< 5.0	< 5.0	6.78	< 0.5	< 0.5	< 0.5	< 3.0
2/28/2012	0.24	< 5.0	5.1	7.13	< 0.5	< 0.5	< 0.5	< 3.0
3/31/2012	0.43	< 5.0	< 5.0	7.11	< 0.5	< 0.5	< 0.5	< 3.0
4/25/2012	0.75	< 1.0	< 5.0	6.73	< 0.5	< 0.5	< 0.5	< 3.0
5/10/2012	0.41	7.0	< 5.0	7.12	< 0.5	< 1.0	< 1.0	< 3.0
6/30/2012	0.37	13	< 5.0	6.88	< 0.5	0.72	1.7	8.7
7/25/2012	0.45	17	< 5.0	6.81	< 0.5	< 0.5	< 0.5	< 3.0
8/28/2012	0.70	< 5.0	< 5.0	6.29	< 0.5	< 0.5	< 0.5	< 3.0
9/18/2012	0.43	< 5.0	< 5.0	6.74	< 0.5	< 0.5	< 0.5	< 3.0
10/31/2012	0.45	44	< 5.0	7.01	< 0.5	< 0.5	< 0.5	< 3.0
11/28/2012	0.50	< 5.0	< 5.0	6.82	< 0.5	< 0.5	< 0.5	< 3.0
12/31/2012	0.28	< 5.0	< 5.0	6.78	< 0.5	< 0.5	< 0.5	< 3.0
1/31/2013	0.14	12.00	< 5.0	7.03	2.30	6.7	15	187
3/28/2013	0.08	< 5.0	< 5.0	7.27	< 0.5	< 0.5	< 0.5	< 3.0
4/29/2013	0.08	< 5.0	< 5.0	7.27	< 0.5	< 0.5	< 0.5	< 3.0
5/19/2013	0.08	7.30	< 5.0	7.14	< 0.5	< 0.5	< 0.5	< 3.0
6/4/2013	0.08	< 5.0	< 5.0	7.01	< 0.5	< 0.5	< 0.5	< 3.0
7/30/2013	0.05	< 5.0	< 5.0	7.07	< 0.5	< 0.5	< 0.5	< 3.0
8/31/2013	0.06	5.40	< 5.0	6.83	< 0.5	< 0.5	< 0.5	< 3.0
9/23/2013	0.25	< 5.0	< 5.0	7.00	< 0.5	< 0.5	< 1.0	5.20
11/26/2013	0.20	< 5.0	< 5.0	7.11	< 0.5	< 0.5	< 1.0	< 3.0
12/17/2013	0.18	< 5.0	< 5.0	7.09	< 0.5	< 0.5	< 0.5	< 3.0
1/31/2014	0.06	< 5.0	< 5.0	7.12	NM	< 0.5	< 0.5	< 3.0
3/18/2014	0.24	< 5.0	< 5.0	7.03	NM	< 0.5	< 0.5	< 3.0
4/30/2014	0.00	< 5.0	< 5.0	7.04	< 0.5	< 0.5	< 0.5	8.90
5/31/2014	0.08	< 5.0	< 5.0	6.83	NM	< 0.5	< 0.5	< 3.0
6/17/2014	0.14	7.2	< 5.0	7.19	< 0.5	< 0.5	< 0.5	< 3.0
7/31/2014	0.084	< 5.0	< 5.0	6.89	< 0.5	< 0.5	< 0.5	< 3.0
8/30/2014	0.060	62	< 5.0	6.84	< 0.5	< 0.5	0.71	< 3.0
9/25/2014	0.037	< 2.6	< 5.0	7.04	< 0.5	< 0.5	< 0.5	< 3.0
Units	<i>million gal/day</i>	<i>mg/liter</i>	<i>mg/liter</i>	<i>Std. units</i>	<i>ug/liter</i>	<i>ug/liter</i>	<i>ug/liter</i>	<i>ug/liter</i>
Daily Maximum		45	45	6-9	51		11	

Notes:

NM = Not measured

Effluent samples collected after the oil-water separator/retention pond treatment system

Table 4A - Outfall 001, Summary of Quarterly Effluent Analytical Results NC0083887

Date	Total Nitrogen	Total Phosphorus	Acute Toxicity
January-12	1.1	0.09	Pass
April-12	1.2	< 0.5	Pass
July-12	1.0	0.1	Pass
October-12	1.0	0.14	Pass
January-13	2.5	<0.05	Pass
April-13	0.62	0.18	Pass
September-13	0.94	0.07	Pass
December-13	<0.70	< 0.050	Pass
March-14	12	13	Pass
June-14	3.50	0.24	Pass
September-14	< 0.14	< 0.050	Fail
Units	<i>mg/liter</i>	<i>mg/liter</i>	<i>pass/fail</i>
Benchmark	<i>30</i>	<i>2</i>	

Note:

Effluent samples collected after the oil-water separator/retention pond treatment system

Table 4B - Outfall 002, Summary of Quarterly Analytical Results NCO083887

Date	Total Rainfall	Turbidity	Acute Toxicity	COD	BOD	Oil and Grease	TSS	Detergents (MBAS)	Nitrogen (NH ₃)	Nitrogen (NO ₃ + NO ₂)	Total Nitrogen	Total Phosphorus	pH	Ethylene Glycol	Propylene Glycol
12/7/2011	0.5	350	NA	81	6.8	<5.0	28	0.15	0.50	0.20	0.21	0.19	6.7	NA	NA
2/20/2012	0.3	15	Pass	<50	<8.0	NA	NA	NA	<0.10	NA	NA	NA	7.03	<271	<245
3/31/2012	0.2	10	NA	<5.0	4.6	<5.0	9.8	0.16	<0.10	0.25	<0.11	0.96	6.97	NA	NA
5/8/2012	0.2	13	NA	97	31	<5.0	<5.0	0.77	0.26	1.3	3.0	0.27	7.02	NA	NA
8/28/2012	0.2	10	NA	<5.0	<5.0	<5.0	15	0.13	<0.10	1.3	<0.60	<0.05	6.98	NA	NA
12/16/2012	0.2	11.5	NA	<5.2	<2.0	<5.0	<5.0	<0.014	0.28	0.32	<0.50	<0.05	7.04	NA	NA
2/18/2013	0.3	5	Fail	<5.0	140	NA	NA	NA	<0.10	NA	NA	NA	6.83	<170	NM
3/12/2013	0.5	16	NA	<5.0	<3.0	<5.0	16	0.14	<0.10	0.42	<0.60	<0.056	6.88	NA	NA
6/17/2013	0.3	7.5	NA	<5.0	<5.0	<5.0	<5.0	<0.015	0.86	<0.10	1.1	0.064	7.11	NA	NA
9/22/2013	0.7	3	NA	<3.5	4	<5.0	<5.0	<0.10	0.49	0.23	1.1	0.070	7.27	NA	NA
11/26/2013	3.9	<1.0	NA	<5.0	<2.0	<5.0	40	<0.10	0.1	0.18	<0.60	<0.05	6.89	NA	NA
1/28/2014	0.9	10	Pass	<50	<2.0	NA	NA	NA	<0.10	NA	NA	NA	6.94	<265	<170
2/17/2014	2.2	5	Pass	<50	<3.0	NA	NA	NA	0.12	NA	NA	NA	6.83	<265	<170
3/16/2014	0.8	11	NA	<50	6.4	<5.0	<5.0	0.11	0.23	0.18	<0.60	<0.050	6.91	NA	NA
6/9/2014	0.3	<5.0	NA	<3.5	1.6	<5.0	<5.0	0.11	0.15	0.46	1.2	0.95	6.79	NA	NA
9/24/2014	2	<5.0	NA	<3.5	<2.0	<5.0	<1.0	<0.015	0.14	0.3	<0.14	0.11	6.87	NA	NA
Units	in	NTU	pass/fail	mg/liter	mg/liter	mg/liter	mg/liter	mg/liter	mg/liter	mg/liter	mg/liter	mg/liter	std. units	mg/liter	mg/liter
Benchmark Values		50		120	30	15	100	0.5	7.2	10	30	2	6-9	NA	NA

Analytical Summary of De-icing Event Instream Sampling

Date	Dissolved Oxygen	Turbidity	pH
2/20/2012	8.0	15	7.03
2/18/2013	7.8	5	7.8
1/28/2014	7.14	10	6.94
2/17/2014	7.47	5	6.83
Units	mg/liter	NTU	std. units
Benchmark Values	5	50	6-9

Table 4C - Outfall 003, Summary of Quarterly Analytical Results NCO083887

Date	Total Rainfall	Turbidity	Acute Toxicity	COD	BOD	TPH-Oil and Grease	TSS	Detergents (MBAS)	Nitrogen (NH ₃)	Nitrogen (NO ₃ + NO ₂)	Total Nitrogen	Total Phosphorus	pH	Ethylene Glycol	Propylene Glycol
12/7/2011	0.50	70	NA	98	5.40	< 5.0	83	0.15	0.50	0.20	0.21	0.19	6.63	NA	NA
2/20/2012	0.30	11	Pass	< 5.0	30	NA	NA	NA	< 0.10	NA	NA	NA	7.40	< 271	20,500
3/31/2012	0.20	11	NA	< 5.0	5.40	< 5.0	1.30	0.15	< 0.10	0.18	< 0.11	0.10	6.93	NA	NA
5/8/2012	0.20	6.5	NA	< 5.2	9.90	< 5.0	19	0.47	0.11	1.1	1.90	0.13	6.85	NA	NA
8/29/2012	0.20	12	NA	< 5.0	< 5.0	< 5.0	< 5.0	0.14	< 0.10	0.32	< 0.60	< 0.05	6.45	NA	NA
12/16/2012	0.20	7	NA	< 5.0	< 5.0	< 5.0	< 5.0	0.14	0.27	0.28	0.58	< 0.05	7.00	NA	NA
2/18/2013	0.30	NA	Pass	< 5.0	87	NA	NA	NA	< 0.10	NA	NA	NA	6.79	< 170	NM
3/12/2013	0.50	16	NA	< 5.0	< 3.0	5.30	6.60	0.13	< 0.10	0.42	< 0.60	< 0.050	6.89	NA	NA
6/17/2013	0.30	6	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 0.015	0.83	< 0.10	1.90	0.069	7.04	NA	NA
9/22/2013	0.70	5	NA	< 3.5	2.3	< 5.0	< 5.0	< 0.010	0.55	0.20	1.1	0.053	7.18	NA	NA
11/26/2013	3.90	< 1.0	NA	< 5.0	< 2.0	< 5.0	< 5.0	0.16	0.11	0.17	< 0.60	< 0.05	6.79	NA	NA
1/28/2014	0.90	NA	Pass	< 5.0	4.40	NA	NA	NA	< 0.10	NA	NA	NA	NM	< 265	< 170
2/17/2014	2.20	NA	Pass	< 5.0	< 3.0	NA	NA	NA	0.13	NA	NA	NA	NM	< 265	< 170
3/16/2014	0.80	10	NA	< 5.0	6.40	< 5.0	< 5.0	0.10	0.23	0.19	< 0.60	< 0.050	6.84	NA	NA
6/9/2014	0.30	< 5.0	NA	< 3.5	7.40	< 5.0	< 5.0	0.11	0.18	0.47	1.40	0.96	7.01	NA	NA
9/24/2014	2	< 5.0	NA	< 3.5	< 2.0	< 5.0	< 1.0	< 0.015	0.11	0.28	< 0.14	0.1	6.93	NA	NA
Units	in	NTU	pass/foil	mg/liter	mg/liter	mg/liter	mg/liter	mg/liter	mg/liter	mg/liter	mg/liter	mg/liter	std. units	mg/liter	mg/liter
Benchmark Values		50		120	30	15	100	0.5	7.2	10	30	2	6-9	NA	NA

Table 4D - Outfall 004, Summary of Quarterly Analytical Results NC0083887

Date	Total Rainfall	Turbidity	Acute Toxicity	COD	BOD	TPH- Oil and Grease	TSS	Detergents (MBAS)	Nitrogen (NH ₃)	Nitrogen (NO ₃ + NO ₂)	Total Nitrogen	Total Phosphorus	pH	Ethylene Glycol	Propylene Glycol
12/7/2011	0.50	46	NA	<5.2	<4.0	<5.0	38	0.23	<5.0	0.22	<0.0025	0.16	6.80	NA	NA
2/20/2012	0.30	16	Pass	<5.0	<8.0	NA	NA	NA	<0.10	NA	NA	NA	6.79	<271	<245
3/31/2012	0.20	12	NA	<5.0	5.3	<5.0	13	1.4	<0.10	<0.10	0.90	0.11	6.89	NA	NA
5/8/2012	0.20	2	NA	150	23	<5.0	21	1.3	1.0	1.0	3.1	0.16	6.97	NA	NA
8/29/2012	0.20	11	NA	<5.0	<5.0	<5.0	<5.0	0.12	<0.22	0.34	<0.60	<0.05	6.42	NA	NA
12/16/2012	0.20	10	NA	<5.0	<2.0	<5.0	<5.0	<0.14	0.27	0.29	0.50	<0.05	6.62	NA	NA
2/18/2013	0.30	5	Pass	<5.2	38	NA	NA	NA	<0.10	NA	NA	NA	7.11	<170	NM
3/12/2013	0.50	14	NA	<5.0	<3.0	<5.0	13	0.10	<0.10	0.40	<0.60	0.52	6.85	NA	NA
6/17/2013	0.30	7	NA	<5.0	<5.0	1.4	<5.0	<0.015	0.92	<0.10	1.40	0.065	6.96	NA	NA
9/22/2013	0.70	<1.0	NA	<3.5	2.60	1.0	<5.0	<0.10	0.48	0.22	1.00	0.055	6.99	NA	NA
11/26/2013	3.90	<1.0	NA	<5.0	17	<0.1	<5.0	0.11	<0.01	0.18	<0.10	<0.05	6.88	NA	NA
1/28/2014	0.90	10	Pass	<5.0	29	NA	NA	NA	3.40	NA	NA	NA	6.81	<265	<170
2/17/2014	2.20	10	Fail	<5.0	<3.0	NA	NA	NA	<0.10	NA	NA	NA	6.97	<265	<170
3/16/2014	0.80	13	NA	<5.0	6	<5.0	<5.0	<0.10	0.23	0.18	<0.60	<0.050	7.01	NA	NA
6/9/2014	0.30	<5.0	NA	<3.5	2	<5.0	<5.0	0.10	0.17	0.47	1.40	0.95	6.84	NA	NA
9/24/2014	2	<5.0	NA	<3.5	<2.0	<5.0	<1.0	<0.015	0.12	0.34	0.87	<0.05	6.84	NA	NA
Units	in	NTU	pass/fail	mg/liter	mg/liter	mg/liter	mg/liter	mg/liter	mg/liter	mg/liter	mg/liter	mg/liter	std. units	mg/liter	mg/liter
Benchmark Values		50		120	30	15	100	0.5	7.2	10	30	2	6-9	NA	NA

Analytical Summary of De-icing Event Instream Sampling

Date	Dissolved Oxygen	Turbidity	pH
2/20/2012	7.65	16	6.79
2/18/2013	8.05	5	7.11
1/28/2014	6.87	10	6.81
2/17/2014	7.05	10	6.97
Units	mg/liter	NTU	std. units
Benchmark Values	5	50	6-9

Table 4E - Outfall F, Summary of Quarterly Analytical Results NC0083887

Date	Total Rainfall	Turbidity	Acute Toxicity	COD	BOD	TPH- Oil and Grease	TSS	Detergents (MBAS)	Nitrogen (NH ₄)	Nitrogen (NO ₃ + NO ₂)	Total Nitrogen	Total Phosphorus	pH	Ethylene Glycol	Propylene Glycol
12/7/2011	0.50	60	NA	50	4.60	<5.0	12	0.17	1	<0.0026	1	0.65	6.64	NA	NA
2/20/2012	0.30	17	Pass	<50	<8.0	NA	NA	NA	<0.10	NA	NA	NA	7.13	<271	<245
3/31/2012	0.20	12	NA	<5.0	6.6	<5.0	6	0.11	<0.10	0.30	0.69	0.16	7.12	NA	NA
6/26/2012	0.20	3.0	NA	<5.2	12	<5.0	34	0.42	2.10	<0.10	2.4	0.11	6.84	NA	NA
8/28/2012	0.20	16	NA	<5.0	<5.0	<5.0	<5.0	0.11	<0.61	<0.10	0.95	<0.69	6.48	NA	NA
12/16/2012	0.20	10	NA	<5.2	2.0	<5.0	19	<0.14	0.27	0.32	0.60	<0.05	6.75	NA	NA
2/18/2013	0.30	NA	Pass	<5.0	<7.0	NA	NA	NA	<0.10	NA	NA	NA	6.91	<170	NM
3/12/2013	0.50	10	NA	<5.0	<5.0	<5.0	5	0.17	<1.0	0.42	<0.60	0.054	6.89	NA	NA
6/17/2013	0.30	8	NA	<5.0	<5.0	<5.0	<5.0	<0.015	0.84	<0.01	1.20	0.061	7.18	NA	NA
9/22/2013	0.70	<1.0	NA	<2.3	2.3	<5.0	<5.0	0.11	0.70	0.15	1.00	<0.050	7.11	NA	NA
11/26/2013	3.90	8	NA	<2.0	<2.0	<5.0	<5.0	0.13	<0.10	0.14	<0.10	<0.05	7.10	NA	NA
1/28/2014	0.90	NA	Pass	<5.0	<2.0	NA	NA	NA	<0.10	NA	NA	NA	NM	<265	<170
2/17/2014	2.20	NA	Pass	<5.0	<3.0	NA	NA	NA	0.12	NA	NA	NA	NM	<265	<170
3/16/2014	0.80	10	NA	<5.0	6.70	<5.0	<5.0	0.11	0.23	0.19	<0.60	<0.050	6.98	NA	NA
6/9/2014	0.30	<5.0	NA	<3.5	4.60	<5.0	<5.0	<0.10	0.17	0.45	1.40	0.98	7.11	NA	NA
9/24/2014	2	<5.0	NA	<3.5	<2.0	<5.0	<1.0	<0.015	0.12	0.36	<0.14	<0.05	6.94	NA	NA
Units	in	NTU	pass/fail	mg/liter	mg/liter	mg/liter	mg/liter	mg/liter	mg/liter	mg/liter	mg/liter	mg/liter	std. units	mg/liter	mg/liter
Benchmark Values		50		120	30	15	100	0.5	7.2	10	30	2	6-9	NA	NA

Table 4F - Outfall H, Summary of Quarterly Analytical Results NC0083887

Date	Total Rainfall	Turbidity	Acute Toxicity	COD	BOD	TPH-Oil and Grease	TSS	Detergents (MBAS)	Nitrogen (NH ₃)	Nitrogen (NO ₃ + NO ₂)	Total Nitrogen	Total Phosphorus	pH	Ethylene Glycol	Propylene Glycol
12/7/2011	0.50	26	NA	66	12	< 5.0	12	0.18	1.20	< 0.0026	< 0.0026	0.28	6.67	NA	NA
2/20/2012	0.30	17	Pass	< 5.0	< 8.0	NA	NA	NA	< 0.10	NA	NA	NA	7.18	< 271	< 245
3/31/2012	0.20	9	NA	< 5.0	< 4.0	< 5.0	32	0.14	0.23	0.23	< 0.11	0.12	7.08	NA	NA
6/26/2012	0.20	3	NA	< 5.2	12	< 5.0	50	0.14	1.9	< 0.10	22	0.11	6.76	NA	NA
8/28/2012	0.20	15	NA	< 5.0	< 5.0	< 5.0	< 5.0	0.12	< 0.10	< 0.10	< 0.60	< 0.071	6.50	NA	NA
12/16/2012	0.20	10	NA	< 5.2	< 2.0	< 5.0	11	< 0.14	0.28	0.30	0.56	< 0.05	6.79	NA	NA
2/18/2013	0.30	NA	Pass	< 5.0	< 7.0	NA	NA	NA	< 0.10	NA	NA	NA	7.04	< 170	NM
3/12/2013	0.50	12	NA	< 5.0	< 3.0	< 5.0	13.00	0.12	< 0.10	0.42	< 0.60	< 0.050	6.73	NA	NA
6/17/2013	0.30	8	NA	< 3.0	4.9	< 5.0	< 5.0	< 0.015	0.83	< 0.10	1.10	0.056	6.89	NA	NA
9/22/2013	0.70	< 1.0	NA	< 3.5	2.70	< 5.0	< 5.0	< 0.10	0.55	0.20	1.10	< 0.050	7.08	NA	NA
11/26/2013	3.90	6	NA	< 5.0	< 2.0	< 5.0	< 5.0	0.10	< 0.10	0.16	< 0.10	< 0.05	7.04	NA	NA
1/28/2014	0.90	NA	Pass	< 5.0	< 2.0	NA	NA	NA	< 0.10	NA	NA	NA	NM	< 265	< 170
2/17/2014	2.20	NA	Pass	< 5.0	< 3.0	NA	NA	NA	0.12	NA	NA	NA	NM	< 265	< 170
3/16/2014	0.80	10	NA	< 5.0	6.10	< 5.0	< 5.0	0.11	0.23	0.19	< 0.60	< 0.050	7.05	NA	NA
6/9/2014	0.30	< 5.0	NA	< 3.5	4.00	< 5.0	< 5.0	< 0.10	0.15	0.40	1.20	1.00	7.15	NA	NA
9/24/2014	2	< 5.0	NA	< 3.5	< 2.0	< 5.0	< 1.0	< 0.015	0.13	0.33	< 0.14	< 0.05	6.95	NA	NA
Units	in	NTU	pass/fail	mg/liter	mg/liter	mg/liter	mg/liter	mg/liter	mg/liter	mg/liter	mg/liter	mg/liter	std. units	mg/liter	mg/liter
Benchmark Values		50		120	30	15	100	0.5	7.2	10	30	2	6-9	NA	NA

Table 4G - Outfall K, Summary of Quarterly Analytical Results NC0083887

Date	Total Rainfall	Turbidity	Acute Toxicity	COD	BOD	TPH-Oil and Grease	TSS	Detergents (MBAS)	Nitrogen (NH ₃)	Nitrogen (NO ₃ + NO ₂)	Total Nitrogen	Total Phosphorus	pH	Ethylene Glycol	Propylene Glycol
12/7/2011	0.50	71	NA	59	5.60	<5.0	30	0.23	1.20	0.15	1.30	1.70	6.72	NA	NA
2/20/2012	0.30	19	Pass	<50	<8.0	NA	NA	NA	<0.10	NA	NA	NA	7.23	<271	<245
3/31/2012	0.20	0.5	NA	310	4.80	<5.0	5.2	0.12	<0.010	0.35	1.7	0.18	7.1	NA	NA
6/26/2012	0.20	2.5	NA	<5.2	7.90	<5.0	25	0.16	2.3	<0.10	2.2	0.11	6.68	NA	NA
8/28/2012	0.20	10	NA	<5.0	<5.0	<5.0	<5.0	<0.10	<0.21	0.35	<0.60	<0.05	6.53	NA	NA
12/16/2012	0.20	10	NA	<5.2	<2.0	<5.0	9.4	<0.14	0.27	0.30	0.61	<0.05	6.72	NA	NA
2/18/2013	0.30	NA	Pass	<5.0	<7.0	NA	NA	NA	<0.10	NA	NA	NA	7.00	<170	NM
3/12/2013	0.50	16	NA	<5.0	<3.0	<5.0	14	0.15	<0.10	0.40	<0.60	<0.050	6.78	NA	NA
6/17/2013	0.30	8	NA	<5.0	<5.0	<5.0	<5.0	<0.015	0.84	<0.10	1.20	0.055	6.93	NA	NA
9/22/2013	0.70	<1.0	NA	<3.5	2.70	<5.0	<5.0	1.0	0.54	0.20	0.96	0.054	7.07	NA	NA
11/26/2013	3.90	6	NA	<5.0	<2.0	<5.0	<5.0	0.14	<0.10	0.17	<0.10	<0.05	7.09	NA	NA
1/28/2014	0.90	NA	Pass	<50	<2.0	NA	NA	NA	<0.10	NA	NA	NA	NM	<265	<170
2/17/2014	2.20	NA	Pass	<50	<3.0	NA	NA	NA	0.12	NA	NA	NA	NM	<265	<170
3/16/2014	0.80	10	NA	<50	5.50	<5.0	<5.0	0.11	0.23	0.18	<0.60	<0.050	7.01	NA	NA
6/9/2014	0.30	<5.0	NA	<3.5	7.00	<5.0	<5.0	<0.10	0.16	0.45	1.30	0.98	7.07	NA	NA
9/24/2014	2	<5.0	NA	<3.5	<2.0	<5.0	<1.0	<0.015	0.13	0.33	<0.14	<0.05	6.94	NA	NA
Units	In	NTU	pass/fail	mg/liter	mg/liter	mg/liter	mg/liter	mg/liter	mg/liter	mg/liter	mg/liter	mg/liter	std. units	mg/liter	mg/liter
Benchmark Values		50		120	30	15	100	0.5	7.2	10	30	2	6-9	NA	NA

Table 5 - Summary of Qualitative Monitoring Reports NC0083887

November-December 2011

Outfall ID	Date	Structure	Color	Odor	*Clarity (1-5)	**Floating Solids (1-5)	***Suspended Solids (1-5)	Foam	Oil Sheen	Erosion or Deposition
Ticer Creek	11/04/2011	Stream	Clear	None	1	1	1	No	No	No
002	12/17/2011	Stream	Clear	None	1	1	1	No	No	No
Coffee Creek	11/04/2011	Stream	Clear	None	1	1	1	No	No	No
003	12/17/2011	Ditch	Clear	None	1	1	1	No	No	No
FBO	11/29/2011	Ditch	Clear	None	1	1	1	No	No	No
004	12/17/2011	Stream	Clear	None	1	1	1	No	No	No
B	11/29/2011	Basin	Clear	None	1	1	1	No	No	No
D	12/17/2011	Ditch	Clear	None	1	1	1	No	No	No
F	12/17/2011	Basin	Clear	None	1	1	1	No	No	No
G	11/29/2011	Basin	Clear	None	1	1	1	No	No	No
K	12/17/2011	Basin	Clear	None	1	1	1	No	No	No
L	11/29/2011	Basin	Clear	None	1	1	1	No	No	No
M	12/17/2011	Basin	Clear	None	1	1	1	No	No	No
R	12/17/2011	Basin	Clear	None	1	1	1	No	No	No
RW23	12/17/2011	Basin	Clear	None	1	1	1	No	No	No
Air Cargo	12/17/2011	Basin	Clear	None	1	1	1	No	No	No
Danga Lake	11/04/2011	Basin	Clear	None	1	1	1	No	No	No
Sentry Post	12/17/2011	Basin	Clear	None	1	1	1	No	No	No
R-36	11/04/2011	Basin	Clear	None	1	1	1	No	No	No

Notes:

- * where 1 is clear, 5 is very cloudy
- ** where 1 is no solids, 5 is covered with floating solids
- *** where 1 indicates no solids, 5 is extremely muddy

January-March 2012

Outfall ID	Date	Structure	Color	Odor	*Clarity (1-5)	**Floating Solids (1-5)	***Suspended Solids (1-5)	Foam	Oil Sheen	Erosion or Deposition
Ticer Creek	02/17/2012	Stream	Clear	None	1	1	1	No	No	No
002	01/27/2012	Stream	Clear	None	1	1	1	No	No	No
Coffee Creek	02/17/2012	Stream	Clear	None	1	1	1	No	No	No
003	01/18/2012	Ditch	Clear	None	1	1	1	No	No	No
004	01/18/2012	Stream	Clear	None	1	1	1	No	No	No
FBO	02/17/2012	Ditch	Clear	None	1	1	1	No	No	No
B	03/18/2012	Basin	Clear	None	1	1	1	No	No	No
D	01/27/2012	Ditch	Clear	None	1	1	1	No	No	No
F	02/05/2012	Basin	Clear	None	1	1	1	No	No	No
G	03/18/2012	Basin	Clear	None	1	1	1	No	No	No
K	02/05/2012	Basin	Clear	None	1	1	1	No	No	No
L	03/18/2012	Basin	Clear	None	1	1	1	No	No	No
M	02/05/2012	Basin	Clear	None	1	1	1	No	No	No
R	03/18/2012	Basin	Clear	None	1	1	1	No	No	No
RW23	01/12/2012	Basin	Clear	None	1	1	1	No	No	No
Air Cargo	01/12/2012	Basin	Clear	None	1	1	1	No	No	No
Danga Lake	03/24/2012	Basin	Clear	None	1	1	1	No	No	No
Sentry Post	01/12/2012	Basin	Clear	None	1	1	1	No	No	No
R-36	03/24/2012	Basin	Clear	None	1	1	1	No	No	No

Notes:

- * where 1 is clear, 5 is very cloudy
- ** where 1 is no solids, 5 is covered with floating solids
- *** where 1 indicates no solids, 5 is extremely muddy

April-June 2012

Outfall ID	Date	Structure	Color	Odor	*Clarity (1-5)	**Floating Solids (1-5)	***Suspended Solids (1-5)	Foam	Oil Sheen	Erosion or Deposition
Ticer Creek	04/19/2012	Stream	Clear	None	1	1	1	No	No	No
002	05/23/2012	Stream	Clear	None	1	1	1	No	No	No
Coffee Creek	04/19/2012	Stream	Clear	None	1	1	1	No	No	No
003	06/12/2012	Ditch	Clear	None	1	1	1	No	No	No
004	06/12/2012	Stream	Clear	None	1	1	1	No	No	No
FBO	04/19/2012	Ditch	Clear	None	1	1	1	No	No	No
B	04/19/2012	Basin	Clear	None	1	1	1	No	No	No
D	05/23/2012	Ditch	Clear	None	1	1	1	No	No	No
F	05/23/2012	Basin	Clear	None	1	1	1	No	No	No
G	04/19/2012	Basin	Clear	None	1	1	1	No	No	No
K	05/23/2012	Basin	Clear	None	1	1	1	No	No	No
L	04/19/2012	Basin	Clear	None	1	1	1	No	No	No
M	05/23/2012	Basin	Clear	None	1	1	1	No	No	No
R	05/23/2012	Basin	Clear	None	1	1	1	No	No	No
RW23	06/12/2012	Basin	Clear	None	1	1	1	No	No	No
Air Cargo	06/12/2012	Basin	Clear	None	1	1	1	No	No	No
Danga Lake	04/19/2012	Basin	Clear	None	1	1	1	No	No	No
Sentry Post	06/12/2012	Basin	Clear	None	1	1	1	No	No	No

Notes:

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July-September 2012

Outfall ID	Date	Structure	Color	Odor	*Clarity (1-5)	**Floating Solids (1-5)	***Suspended Solids (1-5)	Foam	Oil Sheen	Erosion or Deposition
Ticer Creek	07/02/2012	Stream	Clear	None	1	1	1	No	No	No
Coffee Creek	07/02/2012	Stream	Clear	None	1	1	1	No	No	No
003	08/18/2012	Ditch	Clear	None	1	1	1	No	No	No
004	08/18/2012	Stream	Clear	None	1	1	1	No	No	No
FBO	07/02/2012	Ditch	Clear	None	1	1	1	No	No	No
B	07/24/2012	Basin	Clear	None	1	1	1	No	No	No
D	08/18/2012	Ditch	Clear	None	1	1	1	No	No	No
F	08/18/2012	Basin	Clear	None	1	1	1	No	No	No
G	07/02/2012	Basin	Clear	None	1	1	1	No	No	No
K	08/18/2012	Basin	Clear	None	1	1	1	No	No	No
L	07/02/2012	Basin	Clear	None	1	1	1	No	No	No
M	08/18/2012	Basin	Clear	None	1	1	1	No	No	No
R	07/02/2012	Basin	Clear	None	1	1	1	No	No	No
RW23	09/02/2012	Basin	Clear	None	1	1	1	No	No	No
Air Cargo	09/02/2012	Basin	Clear	None	1	1	1	No	No	No
Danga Lake	07/02/2012	Basin	Clear	None	1	1	1	No	No	No
Sentry Post	09/02/2012	Basin	Clear	None	1	1	1	No	No	No
R-36	09/02/2012	Basin	Clear	None	1	1	1	No	No	No

Notes:

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January - March 2013

Outfall ID	Date	Structure	Color	Odor	*Clarity (1-5)	**Floating Solids (1-5)	***Suspended Solids (1-5)	Foam	Oil Sheen	Erosion or Deposition
Ticer Creek										
Coffee Creek										
002	2/18/2013	Basin	Clear	None	1	1	1	No	No	No
003	2/18/2013	Basin	Clear	None	1	1	1	No	No	No
004	2/18/2013	Basin	Clear	None	1	1	1	No	No	No
FBO										
A	2/18/2013	Basin	Clear	None	1	1	1	No	No	No
B	2/18/2013	Basin	Clear	None	1	1	1	No	No	No
C	2/18/2013	Basin	Clear	None	1	1	1	No	No	No
D	2/18/2013	Basin	Clear	None	1	1	1	No	No	No
E	2/18/2013	Basin	Clear	None	1	1	1	No	No	No
F	2/18/2013	Basin	Clear	None	1	1	1	No	No	No
G	2/18/2013	Basin	Clear	None	1	1	1	No	No	No
H	2/18/2013	Basin	Clear	None	1	1	1	No	No	No
K	2/18/2013	Basin	Clear	None	1	1	1	No	No	No
K-West	2/18/2013	Basin	Clear	None	1	1	1	No	No	No
L	2/18/2013	Basin	Clear	None	1	1	1	No	No	No
M	2/18/2013	Basin	Clear	None	1	1	1	No	No	No
R	2/18/2013	Basin	Clear	None	1	1	1	No	No	No
Q	2/18/2013	Basin	Clear	None	1	1	1	No	No	No
RW23	2/18/2013	Basin	Clear	None	1	1	1	No	No	No
Air Cargo	2/18/2013	Basin	Clear	None	1	1	1	No	No	No
Danga Lake	2/18/2013	Basin	Clear	None	1	1	1	No	No	No
Sentry Post	2/18/2013	Basin	Clear	None	1	1	1	No	No	No
R-36	2/18/2013	Basin	Clear	None	1	1	1	No	No	No

Notes:

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April - June 2013

Outfall ID	Date	Structure	Color	Odor	*Clarity (1-5)	**Floating Solids (1-5)	***Suspended Solids (1-5)	Foam	Oil Sheen	Erosion or Deposition
Ticer Creek										
Coffee Creek										
002	6/17/2013	Basin	Clear	None	1	1	1	No	No	No
003	6/17/2013	Basin	Clear	None	1	1	1	No	No	No
004	6/17/2013	Basin	Clear	None	1	1	1	No	No	No
FBO										
A	6/17/2013	Basin	Clear	None	1	1	1	No	No	No
B	6/17/2013	Basin	Clear	None	1	1	1	No	No	No
C	6/17/2013	Basin	Clear	None	1	1	1	No	No	No
D	6/17/2013	Basin	Clear	None	1	1	1	No	No	No
E	6/17/2013	Basin	Clear	None	1	1	1	No	No	No
F	6/17/2013	Basin	Clear	None	1	1	1	No	No	No
G	6/17/2013	Basin	Clear	None	1	1	1	No	No	No
H	6/17/2013	Basin	Clear	None	1	1	1	No	No	No
K	6/17/2013	Basin	Clear	None	1	1	1	No	No	No
K-West	6/17/2013	Basin	Clear	None	1	1	1	No	No	No
L	6/17/2013	Basin	Clear	None	1	1	1	No	No	No
M	6/17/2013	Basin	Clear	None	1	1	1	No	No	No
R	6/17/2013	Basin	Clear	None	1	1	1	No	No	No
Q	6/17/2013	Basin	Clear	None	1	1	1	No	No	No
RW23	6/17/2013	Basin	Clear	None	1	1	1	No	No	No
Air Cargo	6/17/2013	Basin	Clear	None	1	1	1	No	No	No
Danga Lake	6/17/2013	Basin	Clear	None	1	1	1	No	No	No
Sentry Post	6/17/2013	Basin	Clear	None	1	1	1	No	No	No
R-36	6/17/2013	Basin	Clear	None	1	1	1	No	No	No

Notes:

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July - September 2013

Outfall ID	Date	Structure	Color	Odor	*Clarity (1-5)	**Floating Solids (1-5)	***Suspended Solids (1-5)	Foam	Oil Sheen	Erosion or Deposition
Ticer Creek										
Coffee Creek										
001	9/26/2013	Basin	Clear	None	1	1	1	No	No	No
002	9/26/2013	Basin	Clear	None	1	1	1	No	No	No
003	9/26/2013	Basin	Clear	None	1	1	1	No	No	No
004	9/26/2013	Basin	Clear	None	1	1	1	No	No	No
FBO										
A	9/26/2013	Ditch	Clear	None	1	1	1	No	No	No
B	9/26/2013	Basin	Clear	None	1	1	1	No	No	No
C	9/26/2013	Ditch	Clear	None	1	1	1	No	No	No
D	9/26/2013	Basin	Clear	None						
E	9/26/2013	Basin	Clear	None	1	1	1	No	No	No
F	9/26/2013	Basin	Clear	None	1	1	1	No	No	No
G	9/26/2013	Basin	Clear	None	1	1	1	No	No	No
H	9/26/2013	Basin	Clear	None	1	1	1	No	No	No
K	9/26/2013	Basin	Clear	None	1	1	1	No	No	No
K-West	9/26/2013	Basin	Clear	None	1	1	1	No	No	No
L	9/26/2013	Basin	Clear	None						
M	9/26/2013	Basin	Clear	None	1	1	1	No	No	No
R	9/26/2013	Basin	Clear	None	1	1	1	No	No	No
Q	9/26/2013	Basin	Clear	None	1	1	1	No	No	No
RW23										
Air Cargo	9/26/2013	Basin	Clear	None	1	1	1	No	No	No
Danga Lake	9/26/2013	Basin	Clear	None	1	1	1	No	No	No
Sentry Post	9/26/2013	Basin	Clear	None	1	1	1	No	No	No
R-36	9/26/2013	Ditch	Clear	None	1	1	1	No	No	No

Notes:

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October - December 2013

Outfall ID	Date	Structure	Color	Odor	*Clarity (1-5)	**Floating Solids (1-5)	***Suspended Solids (1-5)	Foam	Oil Sheen	Erosion or Deposition
Ticer Creek										
Coffee Creek										
001										
002	11/26/2013	Basin	Clear	None	1	1	1	No	No	No
003	11/26/2013	Basin	Clear	None	1	1	1	No	No	No
004	11/26/2013	Ditch	Clear	None	1	1	1	No	No	No
FBO										
A	11/26/2013	Ditch	Clear	None	1	1	1	No	No	No
B	11/26/2013	Ditch	Clear	None	1	1	1	No	No	No
C	11/26/2013	Ditch	Clear	None	1	1	1	No	No	No
D	11/26/2013	Ditch	Clear	None	1	1	1	No	No	No
E	11/26/2013	Ditch	Clear	None	1	1	1	No	No	No
F	11/26/2013	Ditch	Clear	None	1	1	1	No	No	No
G	11/26/2013	Ditch	Clear	None	1	1	1	No	No	No
H	11/26/2013	Basin	Clear	None	1	1	1	No	No	No
K	11/26/2013	Basin	Clear	None	1	1	1	No	No	No
K-West	11/26/2013	Basin	Clear	None	1	1	1	No	No	No
L	11/26/2013	Ditch	Clear	None	1	1	1	No	No	No
M	11/26/2013	Ditch	Clear	None	1	1	1	No	No	No
R	11/26/2013	Ditch	Clear	None	1	1	1	No	No	No
Q	11/26/2013	Ditch	Clear	None	1	1	1	No	No	No
RW23										
Air Cargo	11/26/2013	Ditch	Clear	None	1	1	1	No	No	No
Danga Lake	11/26/2013	Basin	Clear	None	1	1	1	No	No	No
Sentry Post	11/26/2013	Basin	Clear	None	1	1	1	No	No	No
R-36	11/26/2013	Ditch	Clear	None	1	1	1	No	No	No

Notes:

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July - September 2014

Outfall ID	Date	Structure	Color	Odor	*Clarity (1-5)	**Floating Solids (1-5)	***Suspended Solids (1-5)	Foam	Oil Sheen	Erosion or Deposition
Ticer Creek										
Coffee Creek										
001										
002	9/24/2014	Ditch	Clear	None	1	1	1	No	No	No
003	9/24/2014	Ditch	Clear	None	1	1	1	No	No	No
004	9/24/2014	Ditch	Clear	None	1	1	1	No	No	No
FBO										
A	9/7/2014	Ditch	Clear	None	1	1	1	No	No	No
B	9/7/2014	Ditch	Clear	None	1	1	1	No	No	No
C	9/7/2014		Clear	None	1	1	1	No	No	No
D	9/7/2014	Ditch	Clear	None	1	1	1	No	No	No
E	9/7/2014	Ditch	Clear	None	1	1	1	No	No	No
F	9/24/2014	Ditch	Clear	None	1	1	1	No	No	No
G	9/7/2014	Ditch	Clear	None	1	1	1	No	No	No
G	9/24/2014	Ditch	Clear	None	1	1	1	No	No	No
H	9/24/2014	Ditch	Clear	None	1	1	1	No	No	No
K	9/24/2014	Ditch	Clear	None	1	1	1	No	No	No
K-West	9/7/2014	Ditch	Clear	None	1	1	1	No	No	No
L	9/7/2014	Ditch	Clear	None	1	1	1	No	No	No
M	9/7/2014	Ditch	Clear	None	1	1	1	No	No	No
N	9/7/2014	Ditch	Clear	None	1	1	1	No	No	No
R	9/7/2014	Ditch	Clear	None	1	1	1	No	No	No
Q	9/7/2014	Ditch	Clear	None	1	1	1	No	No	No
RW23										
Air Cargo	9/7/2014	Ditch	Clear	None	1	1	1	No	No	No
Danga Lake	9/7/2014	Ditch	Clear	None	1	1	1	No	No	No
Sentry Post	9/7/2014	Ditch	Clear	None	1	1	1	No	No	No
R-36	9/7/2014	Ditch	Clear	None	1	1	1	No	No	No

Notes:

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Appendix E
Summary of Best Management Practices

BMP MATRIX
 Storm Water Best Management Practices (BMPs) and Corresponding Target Activities
 Charlotte/Douglas International Airport

Activity Description	Applicable BMP																	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
AV/E Deicing *	<input type="checkbox"/>				■	<input type="checkbox"/>				<input type="checkbox"/>							<input type="checkbox"/>	
AV/E Fueling	<input type="checkbox"/>		■			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>						<input type="checkbox"/>	<input type="checkbox"/>	
AV/E Maintenance	<input type="checkbox"/>	■				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>								
Aircraft Lavatory Service	<input type="checkbox"/>					<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	■						<input type="checkbox"/>	
AV/E Painting or Stripping	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>				<input type="checkbox"/>		<input type="checkbox"/>								
AV/E Washing or Cleaning	<input type="checkbox"/>			■			<input type="checkbox"/>			<input type="checkbox"/>						<input type="checkbox"/>	<input type="checkbox"/>	
Apron/Floor Washdown	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>		■						<input type="checkbox"/>
Cargo Handling	<input type="checkbox"/>					<input type="checkbox"/>				<input type="checkbox"/>							<input type="checkbox"/>	
Chemical/Fuel Storage	<input type="checkbox"/>					<input type="checkbox"/>	■			<input type="checkbox"/>						<input type="checkbox"/>	<input type="checkbox"/>	
Equipment Storage	<input type="checkbox"/>						<input type="checkbox"/>			<input type="checkbox"/>								
Fire Equipment Testing	<input type="checkbox"/>									<input type="checkbox"/>		■						
Pesticide/Herbicide Usage	<input type="checkbox"/>					<input type="checkbox"/>			■	<input type="checkbox"/>							<input type="checkbox"/>	
Potable Water Flushing	<input type="checkbox"/>	<input type="checkbox"/>								<input type="checkbox"/>					■			
Runway Deicing	<input type="checkbox"/>					<input type="checkbox"/>				<input type="checkbox"/>							<input type="checkbox"/>	
Runway Rubber Removal	<input type="checkbox"/>									<input type="checkbox"/>					■			■

Note: * AV/E is the abbreviation for Aircraft/Vehicle/Equipment

Indicates that BMP generally applies or relates to the activity

■ Indicates that BMP is directed specifically toward the activity

- 1: Elimination of Non-Storm Water Discharges to Storm Drain
- 2: Aircraft, Vehicle, and Equipment Maintenance
- 3: Aircraft, Vehicle, and Equipment Fueling
- 4: Aircraft, Vehicle, and Equipment Washing
- 5: Aircraft Deicing/Anti-icing
- 6: Outdoor Waste and Material Handling
- 7: Outdoor Storage of Waste and Materials
- 8: Waste/Garbage Handling and Disposal
- 9: Building and Grounds Maintenance
- 10: Storm Water Pollution Prevention Education
- 11: Lavatory Service Operations
- 12: Outdoor Washdown/Sweeping
- 13: Fire Fighting Foam Discharge
- 14: Potable Water System Flushing
- 15: Runway Rubber Removal
- 16: Oil/Water Separators
- 17: Emergency Spill Cleanup Plans
- 18: Airfield Pavement Deicing/Anti-icing

CHARLOTTE/DOUGLAS INTERNATIONAL AIRPORT

BMP1

ELIMINATION OF NON-STORM WATER DISCHARGES TO STORM DRAIN

PURPOSE:

Existing discharges: Eliminate non-storm water discharges to the storm water collection system. Non-storm water discharges can be classified as follows: 1) *Activity-based* (subtle), and 2) *Overt* (hard pipe connection). Activity-based non-storm water discharges may include: wash water, and spillage. Overt non-storm water discharges may include: process wastewater, treated cooling water, and sanitary wastewater.

Prevention of illicit connections: Prevent improper physical connections to the storm drain system from sanitary sewers, floor drains, industrial process discharge lines, and wash racks through education, developing project approval conditions, and performing both construction phase and post-construction inspections.

GENERAL APPROACH:

Identification of Activity-Based (Subtle) Discharges:

The following techniques may be used to identify activity-based non-storm water discharges to the storm water collection system:

- Perform frequent activity inspections to identify non-storm water discharges – stagger inspection times to cover all work periods.
- Perform visual inspections of discharge points to the storm drain system – observe uncharacteristic volumes, colors, turbidity, odors, deposition, staining, floatables, and foaming characteristics of any flow.

APPROACH TO FUTURE FACILITIES AND UPGRADES:

Design of New Facilities and Existing Facility Upgrades

- Perform inspections during the design review and project construction phases to ensure drainage, wastewater, and water supply connections are correct (no cross connections or illicit hookups).
- Develop a set of as-built prints for all projects. Keep a set of the prints at the facility.
- Design projects to include adequate waste repositories at locations near waste origin points.
- Provide adequate and appropriately designed facilities for functions such as steam cleaning, degreasing, painting, mechanical maintenance, chemical/fuel storage and delivery, material handling, waste handling and storage, lavatory service, and food preparation.

TARGETED ACTIVITIES

- < All activities with potential to impact storm water

TARGETED POLLUTANTS

- < Oil and Grease
- < Antifreeze
- < Fuel
- < Solvent/Cleaning Solutions
- < Battery Acid
- < Pesticides/Herbicides/Fertilizers
- < Paint
- < Aircraft Fire Fighting Foam (AFFF)
- < Scrap Metal and Parts
- < Garbage and Hazardous Waste
- < Sediment
- < Landscape Waste
- < Floatables
- < Lavatory Chemicals and Waste
- < Potable Water System Cleaning Chemicals
- < Rubber Particles

KEY APPROACHES

- < Perform inspections and enforcement
- < Provide training for employees
- < Promote education of vendors/public

CHARLOTTE DOUGLAS INTERNATIONAL AIRPORT

BMP1

ELIMINATION OF NON-STORM WATER DISCHARGES TO STORM DRAIN

APPROACH TO EXISTING FACILITY ACTIVITIES:

Operational Considerations

- Use "dry" cleaning and surface preparation techniques where feasible.
- Limit the availability of outdoor water supplies (hose bibs).
- Post signs at outdoor water sources stating the appropriate uses and discouraging uses that would introduce pollutants to the storm drain system/receiving waters.

Contingency Response

- Develop and implement a Spill Prevention Control and Countermeasure (SPCC) Plan, if required under guidelines set forth in 40 CFR, Section 112.3(a), (b).
- Maintain adequate supplies of spill response equipment and materials in accessible locations near areas where spills may be likely to occur.

Inspection and Training

- Inspect waste containers frequently for leaks and proper closure seal.
- Develop employee training programs which emphasize the proper disposal procedures for operations-derived wastes.
- Provide the appropriate level of employee training in the following areas: spill response and prevention, storm water pollution prevention education (see SC-10 for storm water pollution education approaches), right-to-know awareness training, and hazardous materials management.

REQUIREMENTS:

- Capital and O&M may be required to eliminate non-storm water discharges.

LIMITATIONS:

- Storm drain documentation for many facilities is not up-to-date.
- Activity-based (subtle) non-storm water discharges from a particular facility are typically sporadic, transient, and often require frequent inspections to detect.

RELEVANT RULES AND REGULATIONS:

- FR Vol. 60, No. 189, Sept. 25, 1995 Multi-Sector Storm Water General Permit
- 40 CFR 110.3 Discharge of Oil
- 40 CFR 112 Oil Pollution Prevention (SPCC/OPA Plans)
- 40 CFR 117.3 Determination of Reportable Quantities for a Hazardous Substance
- 40 CFR 122-124 NPDES Regulations for Storm water Discharges
- 40 CFR 401 Effluent Limitation Guidelines

CHARLOTTE/DOUGLAS INTERNATIONAL AIRPORT

BMP#2

**AIRCRAFT, VEHICLE, AND
EQUIPMENT MAINTENANCE**

PURPOSE:

Prevent or reduce the discharge of pollutants to storm water from aircraft, vehicle, and equipment maintenance and repair, including ground vehicle and equipment painting/stripping and floor washdowns.

APPROACH TO FUTURE FACILITIES AND UPGRADES:

Design of New Facilities and Existing Facility Upgrades

- Provide covered maintenance areas when designing new facilities or upgrading existing facilities. Utilize indoor areas, lean-tos, or portable covers.
- Locate outdoor maintenance areas so minimal quantities of runoff cross the site.
- Include appropriate storm water quality structures (oil/water separators, sumps, first flush diversion basins, etc. - see TC-1 for further information regarding treatment control BMPs) in the design of outdoor maintenance areas.

APPROACH TO EXISTING FACILITY ACTIVITIES:

Operational Considerations

Implement the following to the maximum extent practicable.

Good Housekeeping

- Use drip pans.
- Use absorbent materials at potential problem areas. Adequately collect/remove absorbent materials from area after use and dispose of them in an appropriate manner.
- Drain and crush oil filters (and oil containers) before recycling or disposal. Store crushed oil filters and empty lubricant containers in a leak-proof container - cover if outdoors.
- Label storm drain inlets to indicate they are to receive no wastes. Do not hose down work areas to the storm drainage system or use concrete cleaning products unless the storm drain inlet is blocked and wash water is collected and properly disposed of through a permitted sewer connection. As an alternative, use mops, dry sweeping compound, or contract professional cleaning services. Confirm the use of appropriate disposal practices by contract cleaning services.
- Drain and properly dispose of all fluids and remove batteries from salvage aircraft, vehicles, and equipment.
- Drain parts and equipment of all fluids. Store on secondary containment under cover.

TARGETED ACTIVITIES

- < Aircraft/Vehicle/ Equipment Maintenance
- < Aircraft/Vehicle/ Equipment Painting or Stripping
- < Apron/Floor Washdown
- < Potable Water System Cleaning

TARGETED POLLUTANTS

- < Oil and Grease
- < Vehicle Fluids
- < Solvents/Cleaning Solutions
- < Fuel
- < Battery Acid
- < Paint

KEY APPROACHES

- < Conduct maintenance indoors, or in covered area.
- < Prevent wash water discharges to the storm drain
- < Clean catch basins regularly
- < Collect and properly dispose of all fluids

CHARLOTTE/DOUGLAS INTERNATIONAL AIRPORT

BMP#2

AIRCRAFT, VEHICLE, AND EQUIPMENT MAINTENANCE

Good Housekeeping, cont.

- Recycle or properly dispose of the following: grease, oil, antifreeze, brake fluid, cleaning solutions, hydraulic fluid, batteries, transmission fluid, and filters.
- Use biodegradable products and substitute materials with less hazardous properties where feasible.

Physical Site Usage

- Where feasible, move maintenance activities indoors or provide cover over work area.
- Use designated washing, steam cleaning, and degreasing areas to clean equipment.
- Store mechanical parts and equipment that may yield even small amounts of contaminants (e.g., oil or grease) under cover and away from drains.

Structural Controls

- Equip maintenance and cleaning areas with runoff controls that prevent discharge to storm sewers.
- Install and maintain catch basin filter inserts that assist in the removal of oil and grease, sediments and floatables.

Maintenance

- Maintain clean equipment by eliminating excessive amounts of external oil and grease buildup. Use water-based cleaning agents or non-chlorinated solvents to clean equipment.
- Regularly clean any catch basins which receive runoff from a maintenance area, especially after larger storms.
- Inspect, clean and maintain sump and oil/water separators, if necessary.

Contingency Response

- Maintain adequate supplies of spill response equipment and materials in accessible locations near areas where spills may be likely to occur.
- Furnish all maintenance vehicles with adequate supplies of spill response materials and appropriate spill response procedures.

Inspection and Testing

- Provide the appropriate level of employee training in the following areas: spill response and prevention, storm water pollution prevention education (see SC-10 for storm water pollution education approaches), right-to-know awareness training, and hazardous materials management.
- Provide employee storm water quality awareness training.
- Develop regular maintenance and inspection programs for oil/water separators.
- Characterize wastes collected from oil/water separators. Provide appropriate employee training.

REQUIREMENTS:

- Capital investment may be required depending on the facility layout. In some cases, diversion basins may be required.
- O&M investment is not expected to be significant.

CHARLOTTE/DOUGLAS INTERNATIONAL AIRPORT

BMP#2

**AIRCRAFT, VEHICLE, AND
EQUIPMENT MAINTENANCE**

LIMITATIONS:

- Size, space and time limitations may preclude work from being performed indoors.
- Identification of engine and equipment leakage points may require the use of solvents or other cleaners to remove external accumulations of oily grime.

RELEVANT RULES AND REGULATIONS:

- FR Vol. 60, No. 189, Sept. 25, 1995 Multi-Sector Storm Water General Permit
- 40 CFR 110.3 Discharge of Oil
- 40 CFR 117.3 Determination of Reportable Quantities for a Hazardous Substance
- 40 CFR 122-124 NPDES Regulations for Storm Water Discharges
- 40 CFR 401 Effluent Limitation Guidelines

CHARLOTTE/DOUGLAS INTERNATIONAL AIRPORT

BMP#3

AIRCRAFT, VEHICLE, AND EQUIPMENT FUELING

PURPOSE:

Prevent fuel spills and leaks, and reduce their impacts to storm water.

APPROACH TO FUTURE FACILITIES AND UPGRADES:

Design of New Facilities and Existing Facility Upgrades

- Design fueling areas to prevent the run-on of storm water and the runoff of spills by employing the following approaches:
 - Cover the fueling area if possible.
 - Use a perimeter drain or slope the fueling area to a dead-end sump or oil/water separator.
 - Pave the fueling area with concrete rather than asphalt.
- If storm water runoff from fueling areas is not collected, install an appropriately-sized oil/water separator. Regulatory agency approvals are required.
- Install and maintain vapor recovery systems where required and/or appropriate.
- Existing underground fuel storage tanks should be upgraded with leak detection, spill containment, and overfill protection in advance of December 22, 1998, the federal regulatory deadline. This is relevant to storm water regulations due to the potential for contamination of surface soils or waters that could be transported by storm water runoff.
- Design facilities to include secondary containment where required and/or appropriate.

APPROACH TO EXISTING FACILITY ACTIVITIES:

Operational Considerations

Implement the following to the maximum extent practicable.

Good Housekeeping

- Fuel pumps intended for vehicular use (not aircraft) should be posted with signs stating "No Topping Off" to prevent overflow.
- Use absorbent materials and spot cleaning for small spills; do not hose down the area unless the storm drain is blocked and drainage is collected by vacuum truck and disposed of through a permitted connection to the sanitary sewer.
- Properly dispose of any fuel spills and leaks. Vacuum equipment/trucks are recommended for collection. Always dispose of materials in an approved manner; use an approved treatment facility through a permitted connection. Never discharge materials to a catch basin or storm drain.

TARGETED ACTIVITIES

- < Aircraft/Vehicle/ Equipment Fueling
- < Taking pre-flight AVGAS fuel samples
- < Apron/Floor Washdown

TARGETED POLLUTANTS

- < Fuel

KEY APPROACHES

- < Install berms or curbing around fueling areas
- < Use absorbent materials and/or vacuum equipment for spills
- < Install proper equipment for fuel dispensing and tank monitoring to prevent spills, leaks and overflows
- < Use GATS JARS to take AVGAS fuel samples; dispose of samples at collection sites; use fire-rated containers for storage of fuel samples

CHARLOTTE/DOUGLAS INTERNATIONAL AIRPORT

BMP#3

AIRCRAFT, VEHICLE, AND EQUIPMENT FUELING

Good Housekeeping (contd.)

- Use pigs/mats over catch basins during fueling activity.
- Manage the disposal of water that collects in fuel tanks and fueling hydrant sumps according to state and federal regulations.

Physical Site Usage

- Avoid mobile fueling of equipment wherever feasible; fuel equipment at designated fueling areas.

Structural Controls

- Cover the fueling area if possible.
- Divert storm water runoff away from fueling area to avoid storm water contact with contaminated surfaces through the use of berms or curbing.
- Install gate valves at catch basins for use during fueling activity.
- Employ secondary containment or cover when transferring fuel from a tank truck to a fuel tank.

Equipment

- Provide appropriate monitoring for tanks containing fuel, such as:
 - Level indicators and gauges.
 - Overfill protection with alarms.
 - Interstitial leak detection for double-walled tanks.
 - Routine inspection/lockout for drainage valves for tank containment areas.
- Fuel dispensing equipment should be equipped with "breakaway" hose connections that will provide emergency shut-down of flow should the fueling connection be broken through movement.
- Automatic shut-off mechanisms should be in place on fuel tankers. These valves should remain in the closed position unless manually opened during fueling.
- Use GATS JARS for collecting AVGAS fuel samples, which enables clear and bright fuel to be returned to the aircraft fuel tank.

Maintenance

- Inspect, clean and maintain sumps and oil/water separators at appropriate intervals.

Contingency Response

- Develop and implement a Spill Prevention Control and Countermeasure (SPCC) Plan if required under guidelines set forth in 40 CFR, Sections 112.3(a), (b).
- Maintain adequate supplies of spill response equipment and materials in accessible locations near areas where spills may be likely to occur.
- Furnish adequate spill response information, equipment and materials on all fueling vehicles.

Inspection and Training

- Inspect fueling areas and storage tanks regularly. Record all maintenance activities and inspections relating to fueling equipment and containers in a log book.
- Underground fuel storage tanks should be tested as required by federal and state laws.
- Provide the appropriate level of spill response training to personnel to address all types of spills.

CHARLOTTE/DOUGLAS INTERNATIONAL AIRPORT

BMP#3

AIRCRAFT, VEHICLE, AND EQUIPMENT FUELING

REQUIREMENTS:

- In rare cases, a fueling area may need to be retrofitted to minimize storm water contamination. Generally, practical design concepts, such as incorporating extruded curb along the upstream side of facilities to prevent run-on of storm water, will be appropriate.
- All AVGAS fuel samples should be collected and disposed of at collection sites, or stored in fire-rated containers.

LIMITATIONS:

- Properly sized and installed oil/water separators must be regularly maintained to be effective (see TC-1 for a description of management practices relating to oil/water separator operations and maintenance).

RELEVANT RULES AND REGULATIONS:

- FR Vol. 60, No. 189, Sept. 25, 1995 Multi-Sector Storm Water General Permit
- 40 CFR 110.3 Discharge of Oil
- 40 CFR 112 Oil Pollution Prevention (SPCC OPA/Plans)
- 40 CFR 117.3 Determination of Reportable Quantities for a Hazardous Substance
- 40 CFR 122-124 NPDES Regulations for Storm Water Discharge
- 40 CFR 401 Effluent Limitation Guidelines

CHARLOTTE/DOUGLAS INTERNATIONAL AIRPORT

BMP#4

**AIRCRAFT, VEHICLE, AND EQUIPMENT WASHING,
CLEANING AND DEGREASING**

PURPOSE:

Prevent or reduce the discharge of pollutants to storm water drains from aircraft, vehicle, and equipment washing, and cleaning and degreasing activities.

APPROACH TO FUTURE FACILITIES AND UPGRADES:

Design of New Facilities and Existing Facility Upgrades

- Use off-site commercial washing where feasible. Using appropriate off-site facilities will decrease the potential for storm water pollution on-site.
- Evaluate the need for incorporating a wash water recycling system into the project design.
- Outdoor washing operations should have the following design characteristics:
 - Paved with portland cement concrete (PCC).
 - Bermed and/or covered to prevent contact with storm water.
 - Sloped to facilitate wash water collection.
 - Wash water should be collected in a dead-end sump for removal or discharged to the sanitary sewer through a permitted connection.
 - Discharge piping serving uncovered wash areas should have a positive shut-off control valve that allows switching between the storm drain and the sanitary sewer.
 - Wash areas should be clearly identified with appropriate signage.
 - Equipped with an oil/water separator designed to operate under storm water runoff conditions to treat storm water volumes and flow rates. (Regulatory agency approvals are required.)

APPROACH TO EXISTING FACILITY ACTIVITIES:

Operational Considerations

Implement the following to the maximum extent practicable.

Good Housekeeping

- Use "dry" washing and surface preparation techniques when possible. Consider dry washing as an option regardless of aircraft size. Remove all materials (i.e., drippings and residue) using vacuum methods. Dispose of properly.
- Provide secondary containment, and cover if possible, for containers of washing and steam cleaning additives.
- Use pigs/mats to control the discharge of wash water.
- Use biodegradable phosphate-free detergents.
- Keep wash area clean and free of waste.
- Include proper signage to prohibit the discharge of waste oils into the drains.
- Collect and discharge wash water to an approved treatment facility (sanitary sewer system) through a permitted connection.
- Keep degreasing activities in a fully enclosed area, if possible, located away from storm drains.
- Properly dispose of cleaning/degreasing waste.

TARGETED ACTIVITIES

- < Aircraft/Vehicle/ Equipment Painting or Stripping
- < Aircraft/Vehicle/ Equipment Washing or Cleaning

TARGETED POLLUTANTS

- < Oil and Grease
- < Solvent
- < Vehicle Fluids
- < Cleaning Solutions

KEY APPROACHES

- < Use designated area
- < Use dry washing techniques
- < Recycle wash water or discharge appropriately
- < Cover catch basins
- < Provide training

CHARLOTTE/DOUGLAS INTERNATIONAL AIRPORT

BMP#4

AIRCRAFT, VEHICLE, AND EQUIPMENT WASHING, CLEANING AND DEGREASING

Physical Site Usage

- Use off-site commercial washing and steam cleaning where feasible. Using appropriate off-site facilities will decrease the potential for storm water pollution on-site.
- Use designated wash areas that are covered and/or bermed to prevent contamination of storm water by contact with wastes.

Structural Controls

- Gate valves at catch basins will prevent discharge to the storm drainage system during washing activities by facilitating the collection of wash water.
- Filter and recycle wash water when possible.

Maintenance

- Patch and repair berms and PCC to maintain containment system.
- Inspect, clean, and maintain sumps, oil/water separators, and on-site treatment and recycling units.

Management

- File a Wash Plan for approval by the Aviation Department prior to commencing wet washing activities in any area outside designated wash rack.

Contingency Response

- Maintain adequate supplies of spill response equipment and materials in accessible locations near areas where spills of cleaning chemicals may be likely to occur.

Inspection and Training

- Provide the appropriate level of employee training in the following areas: spill response and prevention, storm water pollution prevention education (see SC-10 for storm water pollution education approaches), right-to-know awareness training, and hazardous materials management.
- Develop regular maintenance and inspection programs.
- Characterize wastes derived from oil/water separators. Provide appropriate employee training.

REQUIREMENTS:

- Capital costs vary depending on measures implemented.
 - LOW COST: \$500-1,000 for berm construction.
 - MEDIUM COST: \$5,000-20,000 for plumbing modifications (including re-routing discharge to the sanitary sewer and installing a simple sump).
 - HIGH COST: \$30,000-150,000 for on-site treatment and recycling.
- O&M costs increase with increasing capital investment.

LIMITATIONS:

- Some POTWs may require pretreatment and monitoring of wash water discharges to the sanitary sewer.
- Steam cleaning and de-greasing operations can generate significant pollutant concentrations that may require permitting, monitoring, pretreatment, and inspections.

CHARLOTTE/DOUGLAS INTERNATIONAL AIRPORT

BMP#4

**AIRCRAFT, VEHICLE, AND EQUIPMENT WASHING,
CLEANING AND DEGREASING**

RELEVANT RULES AND REGULATIONS:

- FR Vol. 60, No. 189, Sept. 25, 1995 Multi-Sector Storm Water General Permit
- 40 CFR 110.3 Discharge of Oil
- 40 CFR 117.3 Determination of Reportable Quantities for a Hazardous Substance
- 40 CFR 122-124 NPDES Regulations for Storm water Discharges
- 40 CFR 401 Effluent Limitation Guidelines

CHARLOTTE/DOUGLAS INTERNATIONAL AIRPORT

BMP#5

AIRCRAFT DEICING/ANTI-ICING

PURPOSE:

Prevent or reduce the discharge of pollutants to storm water from aircraft deicing and anti-icing procedures.

APPROACH TO FUTURE FACILITIES AND UPGRADES:

Design of New Facilities and Existing Facility Upgrades

- Consider requirements in future USEPA Airport Deicing Effluent Guidelines
- When designing or modifying operating areas, consider incorporating the following features and characteristics:
 - Clearly designated deicing areas
 - Ramp pavement sloped to facilitate containment/collection of deicing runoff
 - Isolation of drainage during deicing operations using catch basin blocks, inline gate or diversion valves, or sewer balloons to facilitate collection of deicing runoff
 - Collection of isolated deicing runoff
- Evaluate alternatives for appropriate storage and disposal (treatment or recycling) of collected runoff.
- Conduct mass balance monitoring for aircraft deicers to provide collection performance data on new and upgraded facilities.
- Evaluate collection performance of deicing pads annually. Address any deficiencies prior to the next deicing season.

APPROACH TO EXISTING FACILITY ACTIVITIES:

Operational Considerations

- Consider environmental characteristics of products when selecting SAE-certified deicing and anti-icing fluids appropriate to aircraft and operating conditions
- Employ application technologies and methods that minimize the volumes of deicers and anti-icers required to ensure the safe operation of the aircraft
- Perform deicing and anti-icing operations only in designated areas
- Collect impacted runoff from ramp surfaces following deicing/anti-icing operations. Wet-type sweepers may be effective in collecting deicing runoff.
- Dispose of collected runoff in accordance with local, state, and federal regulations

Contingency Response

- Fill deicing trucks in areas where spillage will be contained.
- Provide for containment of leakage from deicing trucks and deicer storage tanks.

TARGETED ACTIVITIES

- Aircraft Deicing or Anti-icing

TARGETED POLLUTANTS

- Ethylene glycol
- Propylene glycol
- Additives

KEY APPROACHES

- Deice in designated areas only
- Apply only required amounts of fluid to maintain flight safety
- Collect deicing runoff from ramp area when done
- Properly handle and dispose of collected deicing runoff

CHARLOTTE/DOUGLAS INTERNATIONAL AIRPORT

BMP#5

AIRCRAFT DEICING/ANTI-ICING

Inspection and Training

- Monitor deicing and anti-icing operations regularly to ensure quantities of fluids used are optimized for maintaining aircraft safety while minimizing runoff.
- Provide the appropriate level of employee training in the following areas: implementation of methods and technologies to optimize deicer and anti-icer application, areas designated for aircraft deicing/anti-icing, collection and disposal of deicing runoff, spill response and prevention, and storm water pollution prevention education.

REQUIREMENTS:

- Deicing and anti-icing fluid application techniques must be consistent with the aircraft operator's FAA-approved snow and ice control plan
- An appropriate method for disposing of collected deicing runoff is essential if collection is implemented
- Costs associated with collection and proper disposal of deicing runoff can be high

LIMITATIONS:

- Weather conditions limit the applicability of certain techniques for reducing deicer and anti-icer usage
- Aircraft operators may have limited flexibility in selecting aircraft deicing and anti-icing products
- Effective and efficient collection of deicing runoff requires favorable infrastructure features and suitable equipment
- POTW may refuse to accept deicing chemicals, such as ethylene and propylene glycol, in discharges to the sanitary sewer system, or may require extensive control and monitoring of deicing runoff discharges to the sanitary sewer.

RELEVANT RULES AND REGULATIONS:

- North Carolina General Statute 143-215.1
- 40 CFR 122-124 NPDES Regulations for Storm Water Discharges
- 40 CFR 117.3 Determination of Reportable Quantities for a Hazardous Substance
- 40 CFR 401 Effluent Limitation Guidelines

CHARLOTTE/DOUGLAS INTERNATIONAL AIRPORT

BMP#6

OUTDOOR WASTE AND MATERIAL HANDLING

PURPOSE:

Prevent or reduce the discharge of pollutants to storm water from handling potential pollutants outside enclosed buildings.

APPROACH TO FUTURE FACILITIES AND UPGRADES:

Design of New Facilities and Existing Facility Upgrades

- Design outdoor waste and material handling areas to prevent storm water run-on through the use of the following practices:
 - Grading or berming
 - Positioning roof downspout to direct storm water away from outdoor waste and material handling areas
- Design facilities so that materials which may contribute pollutants to storm water may be stored indoors or under cover.
- Incorporate oil/water separators into exposed loading dock designs.

APPROACH TO EXISTING FACILITY ACTIVITIES:

Operational Considerations

Good Housekeeping

- Use seals or door skirts between vehicles and structures to prevent material exposure to rainfall.
- Contain and adsorb leaks during transfers and spillage from hose disconnections; dispose of residue properly.
- Avoid transferring or using materials in close proximity to storm drain inlets. Cover nearby storm drain inlets during material transfer or use.
- Use drip pans to contain small releases and promptly clean and remove drip pans when not in use.
- Transfer and use liquids only in paved areas. Portland cement concrete (PCC) should be used if the liquid is asphalt reactive.
- Provide contractors and haulers with copies of pertinent BMPs. Require contractor/hauler adherence to BMP specifications.
- Consider contracting maintenance operations for material handling equipment. Designate an appropriate area for contractors to perform maintenance activities. Verify proper waste disposal practices of contractors.

Physical Site Usage

- Protect all loading/unloading activities and material use areas from rainfall, run-on and wind dispersal to the maximum extent practicable. Viable options include conducting activities under existing cover, or moving indoors.
- Position tank trucks or delivery vehicles so that possible spills or leaks can be contained.
- Provide appropriate spill containments, hand pumps, and other devices to minimize releases during material transfer.

TARGETED ACTIVITIES

- < Aircraft/Vehicle/ Equipment Deicing
- < Aircraft/Vehicle/ Equipment Fueling
- < Aircraft/Vehicle/ Equipment Maintenance
- < Aircraft Lavatory Service
- < Cargo Handling
- < Fuel/Chemical Storage
- < Pesticide/Herbicide Usage
- < Runway Deicing

TARGETED POLLUTANTS

- < Fuel
- < Pesticides and Herbicides
- < Oil and Grease
- < Solvent/Cleaning Solutions
- < Battery Acid
- < Lavatory Chemicals and Waste
- < Deicing Chemicals

KEY APPROACHES

- < Conduct loading/unloading under cover
- < Transfer materials in paved areas, away from storm drain inlets
- < Contain and absorb releases
- < Maintain readily accessible spill kits
- < Immediately place waste and materials in proper storage/disposal location.

CHARLOTTE/DOUGLAS INTERNATIONAL AIRPORT

BMP#6

OUTDOOR WASTE AND MATERIAL HANDLING

Structural Controls

- Cover loading/unloading areas/docks and material use areas to reduce exposure of materials to rain. Construct roofing structures over material handling areas, or move indoors.
- Investigate feasibility of relocating storm drain inlets away from fuel hydrants.

Maintenance

- Inspect loading/unloading areas and material use areas for repair and patching.
- Inspect, clean and maintain oil/water separators.

Contingency Response

- Maintain adequate supplies of spill response equipment in accessible locations near areas where spills may be likely to occur.
- Include spill kits on appropriate material handling vehicles and equipment.

Inspection and Training

- Conduct regular inspections and make repairs as necessary.
- Check loading/unloading equipment (valves, pumps, flanges, and connections) regularly for leaks.
- Develop and implement a written operations plan which describes loading/unloading procedures.
- Provide proper training for material handling equipment operators.
- Provide the appropriate level of employee training in the following areas: spill response and prevention, storm water pollution prevention education (see BMP#10 for storm water pollution education approaches), right-to-know awareness training, and hazardous materials management.

REQUIREMENTS:

- Capital and O&M costs should be low except when covering large loading/unloading areas.

LIMITATIONS:

- Space and time limitations may preclude the indoor or covered transfer of cargo and materials.

RELEVANT RULES AND REGULATIONS:

- FR Vol. 60, No. 189, Sept. 25, 1995 Multi-Sector Storm Water General Permit
- 40 CFR 110.3 Discharge of Oil
- 40 CFR 112 Oil Pollution Prevention (SPCC/OPA Plans)
- 40 CFR 117.3 Determination of Reportable Quantities for a Hazardous Substance
- 40 CFR 122-124 NPDES Regulations for Storm water Discharges

CHARLOTTE/DOUGLAS INTERNATIONAL AIRPORT

BMP#7

OUTDOOR STORAGE OF WASTE AND MATERIALS

PURPOSE:

Prevent or reduce the discharge of pollutants to storm water from outdoor storage areas for waste or material (e.g., fuel, chemicals, bagged solids, contaminated soil, bulk storage, etc.)

APPROACH TO FUTURE FACILITIES AND UPGRADES:

Design of New Facilities and Existing Facility Upgrades

- Require the use of appropriate water quality control structures for fuel, waste, and chemical storage areas such as berms, detention/retention basins, and sumps. Develop appropriate minimum performance standards for these water quality control structures and implement a reporting program to monitor the performance and maintenance of these structures.
- Chemical, fuel, and oil dispensing (non-aircraft) sites, and waste collection areas should be covered, if possible.
- Chemical, fuel, and oil dispensing sites, and waste collection areas should be sloped to contain releases.
- Develop standard guidelines for the management of storm water which collects in secondary containment areas.

APPROACH TO EXISTING FACILITY ACTIVITIES:

Operational Considerations

Good Housekeeping

- Avoid dispensing from drums positioned horizontally in cradles. Dispensing materials from upright drums equipped with hand pumps is preferred. Always use secondary containment and self closing spigots if dispensing from horizontally positioned drums.
- Store drums and containers on spill containment pallets or other structures to keep the container out of contact with storm water.
- Use drum lids and drum-top absorbent pads to prevent rainfall from washing materials and drippage from the top of containers to the storm drain system.
- Discharge collected storm water from secondary containment areas according to guidelines developed by the federal government and applicable state and local regulations.
- Store all materials in their original containers or containers approved for that use. Ensure that all containers are appropriately sealed. Store empty containers in fully enclosed areas, under cover, or move them off-site.
- Properly label all chemical containers with information, including their contents, hazards, spill response and first aid procedures, manufacturer's name and address, and storage requirements. Maintain copies of MSDS on file for any materials stored and/or handled by the applicator.
- Maintain a spill response plan near the material or waste storage area.

TARGETED ACTIVITIES

- < Aircraft/Vehicle/ Equipment Fueling
- < Aircraft/Vehicle/ Equipment Maintenance
- < Aircraft Lavatory Service
- < Aircraft/Vehicle/ Equipment Washing or Cleaning
- < Fuel/Chemical Storage
- < Equipment Storage

TARGETED POLLUTANTS

- < Fuel
- < Solvent
- < Cleaning Solutions
- < Liquid Wastes
- < Lavatory Chemicals/ Waste

KEY APPROACHES

- < Store materials in a covered or fully enclosed area
- < Provide secondary containment
- < Implement an SPCC, if required
- < Perform and document periodic inspections

CHARLOTTE/DOUGLAS INTERNATIONAL AIRPORT

BMP#7

OUTDOOR STORAGE OF WASTE AND MATERIALS

Physical Site Usage

- Protect all significant materials from rainfall, run-on, runoff and wind dispersal to the maximum extent practicable. Viable options are:
 - Store material in a fully enclosed area.
 - Cover an outdoor storage area with a roof or awning.
 - Cover the material with a temporary covering made of polyethylene, polypropylene, or hypalon.
 - Minimize storm water run-on by enclosing the area, building a berm around the area, storing indoors, or completely cover the stored material.
- Reduce the quantities of material and waste stored outside (i.e., chemicals) to the minimum volume required based on variables such as release potential, usage, and shelf life.
- Make use of existing overhangs as covered storage areas.

Structural Controls

- Provide berms or secondarily contain storage tankers, ASTs, drums and containers.
- Install and maintain catch basin filter inserts.

Maintenance

- Inspect, clean and maintain sumps, if applicable.

Contingency Response

- Develop and implement a Spill Prevention Control and Countermeasure (SPCC) Plan, if required under guidelines set forth in 40 CFR, Section 112.3(a), (b).
- Maintain adequate supplies of spill response equipment and materials in accessible locations near areas where spills may be likely to occur.
- Post signs at all chemical storage locations in clearly visible locations noting the materials stored, emergency contacts, and spill cleanup procedures.

Inspection and Training

- Provide the appropriate level of employee training in the following areas: spill response and prevention, storm water pollution prevention education (see BMP#10 for storm water pollution education approaches), right-to-know awareness training, and hazardous materials management.
- Perform and document periodic inspections in a log book. Inspection items should include the following:
 - Check containers for external corrosion and structural failure.
 - Check for spills and overfills due to operator failure.
 - Check for failure of piping system (pipes, pumps, flanges, couplings, hoses, and valves).
 - Check for leaks or spills during pumping of liquids or gases.
 - Visually inspect new tanks or containers for loose fittings, poor welds, and improper or poorly fitted gaskets.
 - Inspect tank foundations and storage area coatings.

CHARLOTTE/DOUGLAS INTERNATIONAL AIRPORT

BMP#7

OUTDOOR STORAGE OF WASTE AND MATERIALS

REQUIREMENTS:

- Capital and O&M costs will vary widely depending on the size of the facility and the necessary controls. Costs associated with on-site detention/retention facilities could be high.

RELEVANT RULES AND REGULATIONS:

- FR Vol. 60, No. 189, Sept. 25, 1995-Multi-Sector Storm Water General Permit
- 40 CFR 110.3 Discharge of Oil
- 40 CFR 112 Oil Pollution Prevention (SPCC/OPA Plans)
- 40 CFR 117.3 Determination of Reportable Quantities for a Hazardous Substance
- 40 CFR 122-124 NPDES Regulations for Storm Water Discharges
- 40 CFR 401 Effluent Limitation Guidelines
- 40 CFR 260 et. seq. Identification and Listing of Hazardous Waste

CHARLOTTE/DOUGLAS INTERNATIONAL AIRPORT

BMP#8

WASTE/GARBAGE HANDLING AND DISPOSAL

PURPOSE:

Prevent or reduce the discharge of pollutants to storm water from waste handling and disposal by tracking waste generation, storage, and proper disposal; reducing waste generation and disposal through source reduction, re-use, and recycling; and preventing run-on and runoff from waste management areas, including garbage collection areas.

APPROACH TO FUTURE FACILITIES AND UPGRADES:

Design of New Facilities and Existing Facility Upgrades

- Avoid the following characteristics when examining candidate sites for storing wastes:
 - Excessive slope
 - High water table
 - Locations near storm drain inlets
 - Locations near public access areas
- Waste handling and storage areas should be covered, if possible.
- Develop standard guidelines for the management of storm water that collects in secondary containment areas.
- Incorporate sanitary sewer drains into bermed, outdoor, non-hazardous waste storage areas, if approved by the local wastewater treatment agencies/regulations.
- Provide contained (and covered, if possible) area for hazardous waste collection sites.

APPROACH TO EXISTING FACILITY ACTIVITIES:

Operational Considerations

Good Housekeeping

- Perform regular housekeeping to maintain waste storage areas in a clean and orderly condition.
- Recycle materials whenever possible.
- Inspect waste management areas for spills and waste management containers for leaks.
- Ensure that sediments and wastes are prevented from being washed, leached, or otherwise carried off-site.
- Completely drain containers (e.g., quart oil cans) prior to disposal in trash receptacles.
- Eliminate waste collection piles (i.e., "boneyards").

TARGETED ACTIVITIES

- < Aircraft/Vehicle/ Equipment Maintenance
- < Aircraft/Vehicle/ Equipment Painting or Stripping
- < Fuel/Chemical Storage
- < Garbage Collection

TARGETED POLLUTANTS

- < Oil and Grease
- < Vehicle Fluids
- < Solvents/Cleaning Solutions
- < Dumpster Wastes

KEY APPROACHES

- < Cover waste storage areas
- < Recycle materials
- < Regularly inspect and clean waste storage areas
- < Berm waste storage areas to prevent contact with run-on or runoff
- < Perform dumpster cleaning in designated areas
- < Properly dispose of all fluids

CHARLOTTE/DOUGLAS INTERNATIONAL AIRPORT

BMP#8

WASTE/GARBAGE HANDLING AND DISPOSAL

Good Housekeeping (contd)

- Schedule waste pickup as frequently as necessary to keep storage of waste to a minimum and to avoid overloaded/overfilled disposal containers.
- Minimize spills and fugitive losses such as dust or mist from loading areas.
- Maintain a minimal inventory of required chemicals to reduce the magnitude of potential spills and limit waste generation.
- Track waste generation:
 - Characterize waste streams.
 - Evaluate the process generating the waste for pollution prevention opportunities.
 - Maintain accurate information on waste streams using: manifests, bills of lading, biennial reports, permits, environmental audits, SARA Title III reports, emission reports, Material Safety Data Sheets (MSDS), NPDES discharge monitoring reports, inventory reports, data on chemical spills, and emissions data.
- Find substitutes for harmful chemicals.
- Properly dispose of unusable chemical inventory.

Physical Site Usage

- Segregate and separate wastes.
- Avoid locating waste handling and storage in areas with storm drain inlets/catch basins.
- Locate waste storage areas beneath existing cover, if possible.

Structural Controls

- Enclose or berm waste storage areas, if possible, to prevent contact with run-on or runoff.

Garbage Collection Areas

- Design facilities to provide shelter and secondary containment for dumpsters.
- Use covered dumpsters and keep them closed and locked.
- Use only dumpsters with plugged drain holes to prevent leaks from waste materials.
- Do not dispose of liquid wastes such as oils or hazardous materials into dumpsters. Completely drain liquid waste containers prior to disposal.
- Perform dumpster cleaning in designated areas that are bermed to contain wash water for a subsequent disposal or discharge to the sanitary sewer. Ramp scrubbers are effective in removing wash water from paved areas. Dispose of or recycle all fluids collected.

Contingency Response

- Maintain adequate supplies of spill response equipment and materials in accessible locations near areas where spills may be likely to occur.
- Equip waste transport vehicles with spill containment equipment.

CHARLOTTE/DOUGLAS INTERNATIONAL AIRPORT

BMP#8

WASTE/GARBAGE HANDLING AND DISPOSAL

Inspection and Training

- Provide the appropriate level of employee training in the following areas: spill response and prevention, storm water pollution prevention education (see BMP#10 for storm water pollution education approaches), right-to-know awareness training, and hazardous materials management.
- Perform and document in a log book periodic inspections of hazardous and non-hazardous waste storage areas. Inspection items should include the following:
 - Check containers for external corrosion and structural failure.
 - Check for spills and overfills due to operator failure.
 - Check for failure of piping system (pipes, pumps, flanges, couplings, hoses, and valves).
 - Check for leaks or spills during pumping of liquids or gases.
 - Visually inspect new tanks or containers for loose fittings, poor welds, and improper or poorly fitted gaskets.
 - Inspect tank foundations and storage area coatings.
 - Inspect dumpster areas for signs of leakage.

REQUIREMENTS:

- Capital and O&M costs for these programs will vary substantially depending on the size of the facility and the types of wastes handled.

LIMITATIONS:

- Hazardous waste that cannot be re-used or recycled; must be disposed of at a permitted facility by a licensed hazardous waste hauler.

RELEVANT RULES AND REGULATIONS:

- FR Vol. 60, No. 189, Sept. 25, 1995-Multi-Sector Storm Water General Permit
- 40 CFR 110.3 Discharge of Oil
- 40 CFR 112 Oil Pollution Prevention (SPCC/OPA Plans)
- 40 CFR 117.3 Determination of Reportable Quantities for a Hazardous Substance
- 40 CFR 122-124 NPDES Regulations for Storm water Discharges
- 40 CFR 401 Effluent Limitation Guidelines
- 40 CFR 260 et. seq. Identification and Listing of Hazardous Waste

CHARLOTTE/DOUGLAS INTERNATIONAL AIRPORT

BMP#9

BUILDING AND GROUNDS MAINTENANCE

PURPOSE:

Prevent or reduce the discharge of pollutants to storm water from building and grounds maintenance by washing and cleaning up with as little water as possible, preventing and cleaning up spills immediately, keeping debris from entering storm drains, and maintaining the storm water collection system.

APPROACH TO FUTURE FACILITIES AND UPGRADES:

Design of New Facilities and Existing Facility Upgrades

- Incorporate areas of landscape into project design. Landscape areas are pervious and will result in less runoff discharge from a site.
- Incorporate design considerations such as leaving or planting native vegetation to reduce irrigation, fertilizer, and pesticide needs.
- Select landscaping plants that require little maintenance and/or pest control.
- Incorporate storm water detention/retention to reduce peak runoff flows and for water quality control.

APPROACH TO EXISTING FACILITY ACTIVITIES:

Operational Considerations

Good Housekeeping

- Collect outdoor washdown water and properly dispose of it through a permitted connection to the sanitary sewer. Approval from treatment facility required for discharge.
- Clean any catch basins that receive runoff from maintenance areas on a regular basis. Use a vacuum truck to remove accumulated materials. Do not flush wastes into the storm drain system.
- Minimize use of pesticides, herbicides, and fertilizers. Use according to directions. Seek less harmful/toxic products to replace ones currently used.
- Utilize integrated pest management where appropriate.
- Properly dispose of landscape waste, wash water, sweepings, and sediments.
- Regularly clean paved surfaces that are exposed to industrial activity. Use "dry" cleaning techniques, such as sweeping, whenever possible.

TARGETED ACTIVITIES

- < Building Maintenance
- < Grounds Maintenance
- < Pesticide/Herbicide Use
- < Outdoor Washdown

TARGETED POLLUTANTS

- < Pesticides/Herbicides/ Fertilizers
- < Oil and Grease
- < Sediment
- < Landscape Waste
- < Washdown Waste
- < Building Maintenance Materials (paint, roofing, etc.)

KEY APPROACHES

- < Keep paved surfaces cleaned and swept
- < Clean catch basins regularly using vacuum trucks
- < Manage use of pesticides/herbicides/ fertilizers

CHARLOTTE/DOUGLAS INTERNATIONAL AIRPORT

BMP#9

BUILDING AND GROUNDS MAINTENANCE

Structural Controls

- Provide landscaped areas where erosion is becoming a problem.

Contingency Response

- Maintain adequate supplies of spill response equipment and materials in accessible locations near areas where spills may occur.

Inspection and Training

- Provide the appropriate level of employee training in the following areas: spill response and prevention, storm water pollution prevention education (see BMP#10 for storm water pollution education approaches), right-to-know awareness training, and hazardous materials management.

REQUIREMENTS:

- Costs will vary depending on the type and size of the facility. Costs of on-site storm water detention/retention facility could be high.

LIMITATIONS:

- Alternative pest/weed controls may not be available, suitable, or effective in every case.

RELEVANT RULES AND REGULATIONS:

- FR Vol. 60, No. 189, Sept. 25, 1995 Multi-Sector Storm Water General Permit
- 40 CFR 117.3 Determination of Reportable Quantities for a Hazardous Substances
- 40 CFR 122-124 NPDES Regulations for Storm Water Discharges
- 40 CFR 401 Effluent Limitation Guidelines

CHARLOTTE/DOUGLAS INTERNATIONAL AIRPORT

BMP#10

STORM WATER POLLUTION PREVENTION EDUCATION

PURPOSE:

Prevent or reduce the discharge of pollutants to storm water through implementing an education program targeting employees, contractors, vendors, and the public.

APPROACH TO FUTURE FACILITIES AND UPGRADES:

Design of New Facilities and Existing Facility Upgrades

- Work early on with design and construction engineers, and local storm water authorities to incorporate proactive storm water management features into projects such as decreased impervious areas, infiltration BMPs, biofilters, oil/water separators, etc.
- Inform all construction contractors of their responsibility to comply with adopted BMPs and with regulations prohibiting cross connections between sanitary sewers and storm drains. Provide contractors and subcontractors with copies of relevant BMPs during specification and bidding phases.

APPROACH TO EXISTING FACILITY ACTIVITIES:

Contingency Response

- Provide adequate implementation training for facilities with a Spill Prevention Control and Countermeasure (SPCC) Plan, if required developed under guidelines set forth in 40 CFR, Section 112.3(a), (b).
- Adequately train employees in the use of spill response equipment and materials.

Inspection and Training

- Perform and document in a log book frequent inspections of work areas, waste storage facilities, maintenance areas, and contractor projects to examine compliance with BMPs. Follow up with additional training or enforcement as required. Incorporate inspection findings into subsequent training efforts.
- Design storm water pollution education programs to contain the following elements:
 - Promote the proper storage, use, and disposal of landscape maintenance chemicals and other potentially harmful chemicals.
 - Promote the use of safer alternative products such as: short-lived pesticides, non-chlorinated solvents, water-based paints, non-aerosol products.
 - Encourage the use of "dry" washing processes for aircraft, vehicles, and equipment.

TARGETED ACTIVITIES

- < All Activities with Potential to Impact Storm Water

TARGETED POLLUTANTS

- < Oil and Grease
- < Vehicle Fluids
- < Fuel
- < Solvents/Cleaning Solutions
- < Battery Acid
- < Pesticides/Herbicides/Fertilizers
- < Paint
- < Metals
- < Dumpster Wastes
- < Sediment
- < Landscape Waste
- < Floatables
- < Lavatory Chemicals and Waste
- < Runway Rubber Waste
- < Other Miscellaneous Chemicals

KEY APPROACHES

- < Perform inspections and enforcement
- < Provide training for employees
- < Promote education of vendors/public
- < Show Storm Water Training Video to employees

CHARLOTTE/DOUGLAS INTERNATIONAL AIRPORT

BMP#10

STORM WATER POLLUTION PREVENTION EDUCATION

Inspection and Training (cont.)

- Design storm water pollution education programs to contain the following elements:
 - Encourage efficient and safe housekeeping practices in industrial activity areas.
 - Increase awareness of the detrimental environmental impacts that result when fuel, antifreeze, pesticides, lubricants, detergents, paints and other wastes are dumped onto the ground or into storm drains.
 - Promote source reduction and recycling of waste materials.
 - Increase awareness of possible penalties and fines associated with discharge of pollutants into storm drains.
 - Increase awareness of what is and what is not allowed to enter storm drains. Provide a mechanism for violations to be reported.

REQUIREMENTS:

- Capital and O&M costs are minimal for educational programs.
- Educational programs need to be ongoing. Information and training must be disseminated at regular intervals.

LIMITATIONS:

- The success of educational programs is difficult to measure. Acceptance and awareness are critical factors.

RELEVANT RULES AND REGULATIONS:

- FR Vol. 60, No. 189, Sept. 25, 1995-Multi-Sector Storm Water General Permit
- 40 CFR 110.3 Discharge of Oil
- 40 CFR 112 Oil Pollution Prevention (SPCC/OPA Plans)
- 40 CFR 117.3 Determination of Reportable Quantities for a Hazardous Substance
- 40 CFR 122-124 NPDES Regulations for Storm Water Discharges
- 40 CFR 401 Effluent Limitation Guidelines

CHARLOTTE/DOUGLAS INTERNATIONAL AIRPORT

BMP#11

LAVATORY SERVICE OPERATIONS

PURPOSE:

Eliminate discharges to the storm drain system associated with ground servicing of aircraft lavatory facilities. The sanitary sewage and associated rinse waters produced during the servicing of aircraft lavatory facilities must be discharged to a wastewater treatment facility under appropriate permitting. Trucks or trailers equipped with bulk storage tanks are typically used to service lavatory facilities. Non-storm water discharges and residuals associated with servicing these facilities can be classified as follows:

- Discharges and residuals associated with diluting and mixing the surfactants and disinfectants used for servicing lavatory facilities.
- Discharges and residuals associated with transferring materials from the aircraft.
- Discharges and residuals associated with transporting and disposing materials to the sanitary sewer system.

APPROACH TO FUTURE FACILITIES AND UPGRADES:

Design of New Facilities and Existing Facility Upgrades

- If possible, design triturator facilities to be covered, with low roll-over type berming.
- Include a source of water at the triturator for clean up of lavatory service equipment.
- Coordinate permitting of the triturator sanitary sewer connection through the local storm water and sanitary sewer agencies.
- Triturator facilities should not be located near storm drains.

APPROACH TO EXISTING FACILITY ACTIVITIES:

Operational Considerations

- Do not discharge lavatory waste to sanitary sewer connections other than triturator facilities. Other industrial-type connections may be equipped with bypass gates which, if improperly maintained or defective, may discharge to the storm water collection system.
- Drain the aircraft connecting hose as completely as possible into the storage tank after servicing an aircraft. Properly secure all hoses, valves, and equipment when transporting waste to eliminate leakage and spills.
- Use only surfactants and disinfectants approved for discharge to the sanitary sewer system. Do not discharge or rinse other unapproved chemicals or materials into the triturator facility. Any change in the chemicals used in aircraft lavatory service operations must be approved by the Aviation Department.

TARGETED ACTIVITIES

- < Aircraft Lavatory Service
- < Lavatory Truck Cleanout/Backflushing

TARGETED POLLUTANTS

- < Lavatory Chemicals
- < Lavatory Waste
- < Lavatory Truck Wash Water

KEY APPROACHES

- < Do not discharge lavatory waste to sanitary sewer connections other than triturator facilities
- < Utilize buckets or pans to capture drippage from aircraft lavatory access fittings
- < Do not perform lavatory truck cleanout or backflushing at any location other than triturator facilities
- < Carry absorbent and other containment equipment on the lavatory service equipment

CHARLOTTE/DOUGLAS INTERNATIONAL AIRPORT

BMP#11

LAVATORY SERVICE OPERATIONS

Operational Considerations (contd)

- If possible, perform surfactant/disinfectant mixing and transfers in the triturator area or under cover. This will allow the rinsing of minor spills and splashes to enter the sanitary sewer system.
- Do not perform lavatory truck cleanout/backflushing at any location other than triturator facilities.
- Utilize buckets or pans to capture drippage from aircraft lavatory access fittings. Immediately dump the drippage into the bulk storage tank on the service cart or truck.
- Carefully handle chemicals and chemical concentrates. Immediately collect dry chemicals or absorb liquid chemicals for proper disposal. Do not hose down spills unless the discharge enters the sanitary sewer system through a permitted connection (triturator facility).
- Practice good housekeeping techniques at the triturator facility. Immediately clean spills of wastes and chemicals.

Contingency Response

- Carry absorbent and other containment equipment on the lavatory service equipment.
- Maintain adequate supplies of spill response equipment and materials in accessible locations near areas where spills may be likely to occur.

Inspection and Training

- Perform regular inspections of the hose and fittings used for transferring lavatory waste. Keep the equipment in good working order. Replace worn equipment before leaks develop. Notify appropriate ground service personnel if it is noticed that the aircraft lavatory fittings require maintenance.
- Provide the appropriate level of employee training in the following areas: spill response and prevention, storm water pollution prevention education (see BMP#10 for storm water pollution education approaches), right-to-know awareness training, and hazardous materials management.

REQUIREMENTS:

- Management practices are based on careful material handling, good housekeeping, and awareness of maintenance requirements.

LIMITATIONS:

- Facilities may have a limited number of permitted sanitary sewer access points (triturator facilities) for a large quantity of lavatory service equipment.

RELEVANT RULES AND REGULATIONS:

- FR Vol. 60, No. 189, Sept. 25, 1995-Multi-Sector Storm Water General Permit
- 40 CFR 117.3 Determination of Reportable Quantities for a Hazardous Substance
- 40 CFR 122-124 NPDES Regulations for Storm Water Discharges
- 40 CFR 401 Effluent Limitation Guidelines

CHARLOTTE/DOUGLAS INTERNATIONAL AIRPORT

BMP#12

OUTDOOR WASHDOWN/SWEEPING

PURPOSE:

Prevent or reduce the discharge of pollutants to storm water from indoor and outdoor washdown and sweeping operations.

APPROACH TO FUTURE FACILITIES AND UPGRADES:

Design of New Facilities and Existing Facility Upgrades

- Consider contracting apron washing/sweeping services. Using appropriate contractors will decrease waste handling responsibilities. Inform contractors of their responsibilities regarding proper disposal of sweeper and scrubber waste. Supply contractors with pertinent BMPs and operating specifications. Follow up with contractor inspections frequently.
- Incorporate appropriate waste receiving facilities for sweepers and washing equipment. Coordinate sanitary sewer connection permitting through the local sanitary sewer agency.
- Incorporate oil/water separators or other water quality devices into project designs.
- Consider incorporating gate valves in areas where apron washing will occur. The gate valves will direct wash water to the sanitary sewer in dry weather and will direct storm water to the storm drain system during wet weather. Mechanical devices should be incorporated to ensure that valves are not left open (to sanitary sewer) during wet weather. Coordinate permitting and connections through the local sanitary sewer agency.
- Employ berms to minimize run-on to other areas.

APPROACH TO EXISTING FACILITY ACTIVITIES:

Operational Considerations

- Collect and discharge wash water to the sanitary sewer system through a permitted connection.
- Use designated and approved discharge facilities to dispose of waste derived from apron/ramp cleaning.
- Use "dry" sweeping techniques where feasible.
- Dispose of sweepings in an appropriate manner.
- Conduct berm repair and patching.
- Inspect, clean, and maintain sumps and oil/water separators.

TARGETED ACTIVITIES

- < Apron Washing
- < Ramp Scrubbing
- < Outdoor/Power Washing
- < Floor Washdown

TARGETED POLLUTANTS

- < Oil and Grease
- < Solvents/Cleaning Solutions
- < Fuel
- < Aircraft Fire Fighting Foam (AFFF)
- < Deicing/Anti-Icing Fluids
- < Sediment
- < Floatables

KEY APPROACHES

- < Collect and discharge wash water to the sewer
- < Use "dry" sweeping techniques
- < Dispose of sweepings

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BMP#12

OUTDOOR WASHDOWN/SWEEPING

Contingency Response

- Maintain adequate supplies of spill response equipment and materials in accessible locations near areas where spills may be likely to occur.

Inspection and Training

- Provide the appropriate level of employee training in the following areas: spill response and prevention, storm water pollution prevention education (see SC-10 for storm water pollution education approaches), right-to-know awareness training, and hazardous materials management.
- Develop regular maintenance and inspection programs for oil/water separators. Document inspections and maintenance in a log book.
- Characterize wastes derived from oil/water separators. Dispose of these wastes properly and provide appropriate employee training.

REQUIREMENTS:

- Capital costs vary depending on measures implemented.
 - LOW COST: \$500-\$1,000 for berm construction.
 - MEDIUM COST: \$5,000-\$20,000 for plumbing modifications (including re-routing discharge to the sanitary sewer and installing a simple sump).
- O&M costs increase with increasing capital investment.

LIMITATIONS:

- Some wastewater agencies may require pretreatment and monitoring of wash water discharges derived from apron washing to the sanitary sewer.

RELEVANT RULES AND REGULATIONS:

- FR Vol. 60, No. 189, Sept. 25, 1995 Multi-Sector Storm water General Permit
- 40 CFR 110.3 Discharge of Oil
- 40 CFR 122-124 NPDES Regulations for Storm water Discharges
- 40 CFR 401 Effluent Limitation Guidelines

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BMP#13

FIRE FIGHTING FOAM DISCHARGE

PURPOSE:

Eliminate discharges to the storm drain system associated with flushing or testing of fire fighting foam (AFFF) systems.

APPROACH TO FUTURE FACILITIES AND UPGRADES:

Design of New Facilities and Existing Facility Upgrades

- Design testing facility with the following characteristics:
 - Located away from storm drain inlets, drainage facilities or water bodies.
 - Paved with concrete or asphalt, or stabilized with an aggregate base.
 - Bermed to contain foam and to prevent run-on.
 - Configure discharge area with a sump to allow collection and disposal of foam.
- Discharge foam waste to a sanitary sewer (industrial wastewater permitting may be required). Foam waste shall not be discharged to storm drains or water bodies.

APPROACH TO EXISTING FACILITY ACTIVITIES:

Operational Considerations

- Perform fire fighting foam testing operations only in areas designated by COP Aviation Department as appropriate for such activities.
- Properly dispose of, or recycle, foam discharge.
- Conduct berm repair and patching.
- Regularly inspect, clean, and maintain AFFF collection sumps.

Contingency Response

- Maintain adequate supplies of spill response equipment and materials in accessible locations near area of activity.

Inspection and Training

- Regularly inspect testing facility.
- Provide the appropriate level of employee training in the following areas: spill response and prevention, storm water pollution prevention education (see SC-10 for storm water pollution education approaches), right-to-know awareness training, and hazardous materials management.

TARGETED ACTIVITIES

- < Fire Fighting Equipment Testing and Flushing

TARGETED POLLUTANTS

- < Aircraft Fire Fighting Foam (AFFF)

KEY APPROACHES

- < Perform testing operations in designated areas
- < Properly dispose of, or recycle, foam discharge
- < Service sump regularly

CHARLOTTE/DOUGLAS INTERNATIONAL AIRPORT

BMP#13

FIRE FIGHTING FOAM DISCHARGE

REQUIREMENTS:

- Capital costs vary depending on measures implemented.
 - LOW COST: \$500-\$1,000 for berm construction.
 - MEDIUM COST: \$5,000-\$20,000 for plumbing modifications (including re-routing discharge to the sanitary sewer and installing a simple sump).
- O&M costs increase with increasing capital investment.

LIMITATIONS:

- Some wastewater agencies may require permitting, pretreatment, and/or monitoring of this type of discharge to the sanitary sewer.

RELEVANT RULES AND REGULATIONS:

- FR Vol. 60, No. 189, Sept. 25, 1995 Multi-Sector Storm Water General Permit
- 40 CFR 122-124 NPDES Regulations for Storm Water Discharges
- 40 CFR 401 Effluent Limitation Guidelines

CHARLOTTE/DOUGLAS INTERNATIONAL AIRPORT

BMP#14

POTABLE WATER SYSTEM FLUSHING

PURPOSE:

Eliminate discharges to the storm drain system associated with flushing of aircraft potable water systems.

APPROACH TO FUTURE FACILITIES AND UPGRADES:

Design of New Facilities and Existing Facility Upgrades

- Design water truck flushing area with the following characteristics:
 - Located away from storm drain inlets or drainage facilities.
 - Paved with concrete or asphalt, or stabilized with an aggregate base.
 - Bermed to contain wastewater and to prevent run-on.
 - Configure discharge area with a sump to allow collection and disposal of water.
- Discharge water to a permitted sanitary sewer connection. Waste water shall not be discharged to storm drains.

APPROACH TO EXISTING FACILITY ACTIVITIES:

Operational Considerations

- Perform water truck flushing operations only in designated areas, designed with berms to prevent run-on and runoff. Do not perform flushing near storm drains.
- Collect all discharge from aircraft potable water flushing or water truck flushing containing Purine, chlorine bleach or other chemicals and properly discharge to a permitted sanitary sewer connection, or recycle the water.
- Conduct berm repair and patching.
- Inspect, clean, and maintain sumps and on-site treatment and recycling units.

Contingency Response

- Maintain adequate supplies of spill response equipment and materials in accessible locations near area of activity.

Inspection and Training

- Provide the appropriate level of employee training in the following areas: spill response and prevention, storm water pollution prevention education (see SC-10 for storm water pollution educational approaches), right-to-know awareness training, and hazardous materials management.
- Monitor flushing operations regularly to ensure that proper collection and disposal of discharge is being performed.

TARGETED ACTIVITIES

- < Aircraft potable water system cleaning and flushing
- < Water truck cleaning and flushing

TARGETED POLLUTANTS

- < Purine
- < Chlorine Bleach

KEY APPROACHES

- < Perform water truck flushing in designated areas only
- < Collect all discharge from aircraft potable water flushing or water truck flushing and discharge to a permitted sanitary sewer connection
- < Do not discharge water to the ground or storm sewer connection

CHARLOTTE/DOUGLAS INTERNATIONAL AIRPORT

BMP#14

POTABLE WATER SYSTEM FLUSHING

REQUIREMENTS:

- Capital costs are low for implementation of collection system for aircraft potable water flushing.
- For new facility, capital costs vary depending on measures implemented.
 - LOW COST: \$500-\$1,000 for berm construction.
 - MEDIUM COST: \$5,000-\$20,000 for plumbing modifications (including re-routing discharge to the sanitary sewer and installing a simple sump).
 - HIGH COST: \$30,000-\$150,000 for on-site treatment and recycling.

LIMITATIONS:

- Some wastewater agencies may require pretreatment and monitoring of this type of discharge to the sanitary sewer.

RELEVANT RULES AND REGULATIONS:

- FR Vol. 60, No. 189, Sept. 25, 1995 Multi-Sector Storm Water General Permit
- 40 CFR 122-124 NPDES Regulations for Storm Water Discharges
- 40 CFR 401 Effluent Limitation Guidelines

CHARLOTTE/DOUGLAS INTERNATIONAL AIRPORT

BMP#15

RUNWAY RUBBER REMOVAL

PURPOSE:

Eliminate discharges to the storm drain of particulate rubber generated by runway rubber removal activities.

APPROACH TO FUTURE FACILITIES AND UPGRADES:

Design of New Facilities and Existing Facility Upgrades

- Design runway storm drain culverts to allow placement of particulate capture devices, such as haybales or filter fabric, that will capture rubber and dirt particles generated during runway rubber removal activities.

APPROACH TO EXISTING FACILITY ACTIVITIES:

Operational Considerations

- Place devices that will capture rubber particulates, such as haybales or filter fabric, over storm drain culverts or at other areas that will capture rubber particulates generated during runway rubber removal activities.
- Use manual or mechanical cleaning methods (ordinary mechanical street sweepers) to remove rubber particulates from the runway and adjacent paved areas after runway rubber removal activities.

Inspection and Training

- Provide the appropriate level of employee training in the following areas: spill response and prevention, storm water pollution prevention education (see SC-10 for storm water pollution education approaches), right-to-know awareness, and hazardous materials management.
- Inspect storm drain culverts or runway drainage areas after runway rubber removal activities.

REQUIREMENTS:

- Capital and O&M costs should be low.

LIMITATIONS:

- Runway drainage patterns may not be suitable for the collection of rubber particulates.

RELEVANT RULES AND REGULATIONS:

- FR Vol. 60, No. 189, Sept. 25, 1995 Multi-Sector Storm Water General Permit
- 40 CFR 122-124 NPDES Regulations for Storm Water Discharges

TARGETED ACTIVITIES

- < Runway Rubber Removal

TARGETED POLLUTANTS

- < Rubber particles
- < Dirt particles

KEY APPROACHES

- < Use haybales or filter fabric over culverts
- < Use manual or mechanical cleaning methods (e.g., street sweepers) to remove particulates following normal removal process

CHARLOTTE/DOUGLAS INTERNATIONAL AIRPORT

BMP#16

OIL/WATER SEPARATORS

PURPOSE:

Oil/water separators are baffled chambers designed to remove petroleum compounds and greases from storm water. Oil/water separators also remove floatable debris and settled solids (sediment).

APPROACH TO FUTURE FACILITIES AND UPGRADES:

Design of New Facilities and Existing Facility Upgrades:

Oil/water separators are typically used in areas where the concentrations of petroleum hydrocarbons, floatables, or sediment may be abnormally high and source control techniques are not very effective. There are two types of oil/water separators: the American Petroleum Institute (API) separator and the coalescing plate separator (CPS). Design, sizing, and placement of oil/water separators is dependent on several factors including: tributary area, type of activity, pollutant type and concentration, and water temperature. General sizing guidelines for API separators include the following:

- Horizontal velocity: 3 feet per minute.
- Depth of 3 to 8 feet.
- Depth-to-width ratio of 0.3 to 0.5.
- Width of 6 to 16 feet.
- Baffle height-to-depth ratios of 0.85 for top baffles and 0.15 for bottom baffles.

CPS separator sizing is more complex. Sizing calculations require the inclusion of information such as packing plate surface areas and plate angles. CPS separators can, due to their packed plate design, remove the same quantities of oils and greases while occupying less space than API separators.

APPROACH TO EXISTING FACILITY ACTIVITIES:

Operational Considerations:

- Separators must be inspected and cleaned frequently of accumulated oil, grease, floating debris and sediments to be effective storm water quality controls.
- Oil absorbent pads are to be replaced as needed but will always be replaced prior to the wet season.

TARGETED ACTIVITIES

- < Aircraft/Vehicle/ Equipment Fueling
- < Aircraft/Vehicle/ Equipment Washing
- < Fuel/Chemical Storage
- < Installing, Cleaning, and Maintaining Oil/Water Separators

TARGETED POLLUTANTS

- < Oil and Grease
- < Fuel
- < Floatables
- < Sediment

KEY APPROACHES

- < Frequently inspect and clean separators
- < Replace absorbent pads as needed

CHARLOTTE/DOUGLAS INTERNATIONAL AIRPORT

BMP#16

OIL/WATER SEPARATORS

Operational Considerations (continued):

- The effluent shutoff valve will be closed during cleaning operations.
- Any standing water removed during the cleaning operation must be disposed of in accordance with federal, state, and local requirements.
- Any standing water removed during the cleaning operation must be replaced with clean water to prevent oil carry-over through the outlet.

Contingency Response

- Maintain adequate supplies of spill response equipment and materials in accessible locations near areas where spills may be likely to occur.

Inspection and Training

- Provide the appropriate level of employee training in the following areas: spill response and prevention, storm water pollution prevention education (see SC-10 for storm water pollution education approaches), right-to-know awareness training, and hazardous materials management.
- Perform and document in a log book all inspections and maintenance operations.
- Develop a written operating, sampling, and reporting procedure under local storm water authority guidelines. Train appropriate employees to implement these procedures.

REQUIREMENTS:

Capital and O&M Costs increase as the tributary area increases.

LIMITATIONS:

- Oil/water separator installations should be designed and installed by experienced individuals. Little data on the characteristics of petroleum hydrocarbons in storm water leads to considerable uncertainty about separator performance.

RELEVANT RULES AND REGULATIONS:

- FR Vol. 60, No. 189, Sept. 25, 1995 Multi-Sector Storm Water General Permit
- 40 CFR 110.3 Discharge of Oil
- 40 CFR 112 Oil Pollution Prevention (SPCC/OPA Plans)
- 40 CFR 117.3 Determination of Reportable Quantities for a Hazardous Substance
- 40 CFR 122-124 NPDES Regulations for Storm Water Discharges

CHARLOTTE/DOUGLAS INTERNATIONAL AIRPORT

BMP#17

EMERGENCY SPILL CLEANUP PLANS

PURPOSE:

Prevent or reduce the discharge of pollutants to storm water resulting from petroleum products or other materials.

GENERAL APPROACH:

Owners and operators of facilities that store, process, or refine oil or oil products may be required by federal law (40 CFR 112) to develop and implement a Spill Prevention Control and Countermeasure (SPCC) Plan. Emergency spill cleanup plans should include the following information:

- A description of the facility including the owner's name and address, the nature of the facility activity, and at the general types and quantities of chemicals stored at the facility.
- A site plan showing the location of storage areas for chemicals, the location of storm drains, site drainage patterns, fire water source locations, and the location and description of any devices used to contain spills such as positive shut-off control valves.
- Notification procedures to be implemented in the event of a spill, such as key company personnel and local, state, and federal agencies.
- Instructions regarding cleanup procedures.
- Designated personnel with overall spill response cleanup responsibility.

APPROACH TO EXISTING FACILITY ACTIVITIES:

Operational Considerations

- Post a summary of the plan at appropriate site locations, identifying the spill cleanup coordinators, location of cleanup equipment, and phone numbers of regulatory agencies to be contacted in the event of a spill.
- Maintain an inventory of appropriate cleanup materials on-site and strategically deploy cleanup materials based on the type and quantities of chemicals present.
- Make absorbent readily available in fueling areas.

Contingency Response

- Perform the following notifications in the event of a spill:
 - Fire Department
 - Local Health Department
 - State Office of Emergency Services
 - National Response Center - if spill exceeds reportable quantity (RQ)
- Containment and cleanup of spills shall begin immediately.

TARGETED ACTIVITIES

- < Aircraft/Vehicle/ Equipment Deicing
- < Aircraft/Vehicle/ Equipment Fueling
- < Aircraft Lavatory Service
- < Aircraft/Vehicle/ Equipment Washing
- < Cargo Handling
- < Fuel/Chemical Storage
- < Pesticide/Herbicide Use
- < Runway Deicing

TARGETED POLLUTANTS

- < Lavatory Chemicals and Waste
- < Fuel
- < Oil and Grease
- < Solvents/Cleaning Solutions
- < Pesticides/Herbicides/ Fertilizers
- < Battery Acid
- < Antifreeze
- < Deicing Fluid

KEY APPROACHES

- < Implement SPCC (if required)
- < SPCC implementation training
- < Immediate containment/cleanup of spills
- < Availability of spill response equipment/ materials
- < Required agency notification

CHARLOTTE/DOUGLAS INTERNATIONAL AIRPORT

BMP#17

EMERGENCY SPILL CLEANUP PLANS

Inspection and Training

- Provide formal training in plan execution to key personnel, with additional training for first responder level personnel (29 CFR 1910.120). All employees should have basic knowledge of spill control procedures.

REQUIREMENTS:

- Capital and O&M costs should be small to moderate depending on the types and quantities of chemicals stored on-site.
- Maintenance costs include periodic training and equipment replacement.

LIMITATIONS:

- Spills occurring after work hours in confined areas may go undetected until impacting off-site areas.

RELEVANT RULES AND REGULATIONS:

- FR Vol. 60, No. 189, Sept. 25, 1995 Multi-Sector Storm Water General Permit
- 40 CFR 110.3 Discharge of Oil
- 40 CFR 112 Oil Pollution Prevention (SPCC/OPA Plan)
- 40 CFR 117.3 Determination of Reportable Quantities for a Hazardous Substance
- 40 CFR 122-124 NPDES Regulations for Storm Water Discharges

CHARLOTTE/DOUGLAS INTERNATIONAL AIRPORT

BMP#18

AIRFIELD PAVEMENT DEICING/ANTI-ICING

PURPOSE:

Prevent or reduce the discharge of pollutants to storm water from deicing and anti-icing of airfield pavement.

Operational Considerations

- Consider environmental characteristics of products when selecting SAE-certified airfield pavement deicing products appropriate to climate and operating conditions
- Physically remove snow and ice using plows and brooms prior to application of chemical deicers to minimize the entrainment of deicers in plowed snow and the volume of deicers required to achieve a safe pavement surface
- Employ application technologies and methods that minimize the volumes of deicers required to achieve and maintain a safe pavement surface

Contingency Response

- Fill airfield deicing trucks in areas where spillage will be contained.
- Provide for containment of leakage from airfield deicing trucks and deicer storage facilities.

Inspection and Training

- Monitor pavement deicing operations regularly to ensure quantities of deicers used are optimized for maintaining aircraft safety while minimizing excess usage.
- Provide the appropriate level of employee training in the following areas: implementation of methods and technologies to optimize pavement deicer application, spill response and prevention, and storm water pollution prevention education (see SC-10).

REQUIREMENTS:

- Airfield pavement deicing techniques must be consistent with the airport's FAA-approved snow and ice control plan

LIMITATIONS:

- Only SAE-certified pavement deicers may be used on the airfield.
- Weather conditions limit the applicability of certain techniques for reducing deicer usage.

RELEVANT RULES AND REGULATIONS:

- North Carolina General Statute 143-215.1
- 40 CFR 122-124 NPDES Regulations for Storm Water Discharges
- 40 CFR 401 Effluent Limitation Guidelines

TARGETED ACTIVITIES

- Airfield Pavement Deicing or Anti-icing

TARGETED POLLUTANTS

- Urea
- Potassium acetate

KEY APPROACHES

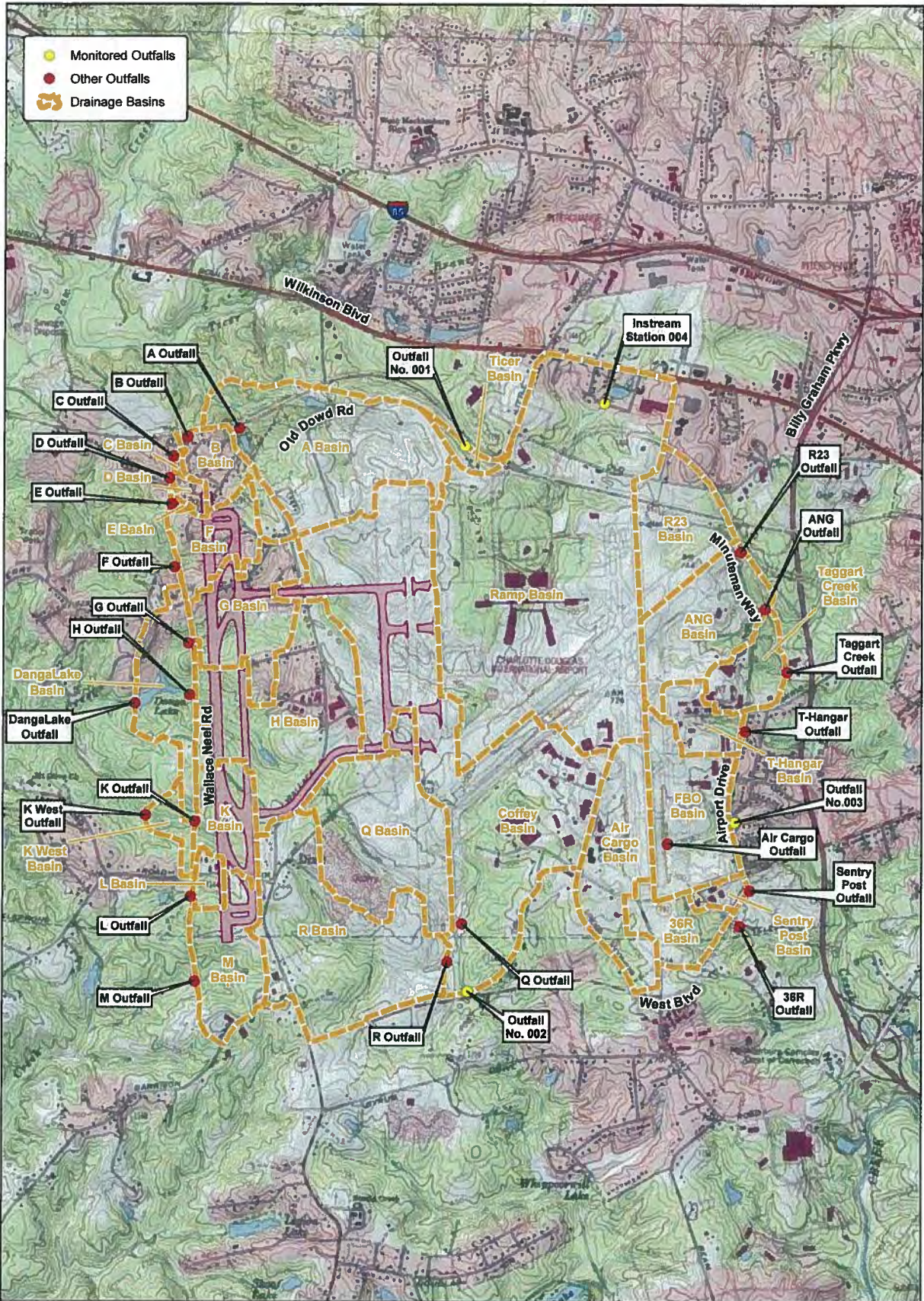
- Physically remove snow and ice to minimize amounts of chemical deicers required
- Apply only required amounts of deicer to maintain safe airfield pavement conditions
- Properly handle airfield pavement deicers

Appendix F
Drawings

Figure 1 - Topographic Map of Outfall Locations

Figure 2 – Aerial Map of Drainage Areas and Outfalls

Figure 3 – Deicing Pads Location Map



0 2000
APPROX. SCALE, ft.



SCALE	AS SHOWN	DESIGNED BY	DATE	DRAWING TITLE	
	CONFIDENTIAL-ALL RIGHTS RESERVED-PROPERTY OF	DRAWN BY	DATE	Figure 1. Topographic Map of Outfall Locations	
	URS	CHECKED BY	DATE	Charlotte Douglas Airport	
	CLT, NORTH CAROLINA 28210	APPROVED BY	DATE	PROJECT NO.	DRAWING NO.
				399 41629	FIGURE-1
					REV.
					0



- Monitored Outfalls
- Other Outfalls
- ▭ Drainage Basins

0 2000
APPROX. SCALE, ft.




SCALE	AS SHOWN	DESIGNED BY	DATE	DRAWING TITLE		
	CONFIDENTIAL-ALL RIGHTS RESERVED-PROPERTY OF	DRAWN BY	DATE	Figure 2. Aerial Map of Drainage Areas and Outfalls		
	URS	BGS	31DEC14	Charlotte Douglas Airport		
	CLT, NORTH CAROLINA 28210	CHECKED BY	DATE	Charlotte, North Carolina		
		JM	31DEC14	PROJECT NO.	DRAWING NO.	REV.
		APPROVED BY	DATE	38941629	FIGURE-2	0
		JM	31DEC14			



0 1500
 APPROX. SCALE, ft.



SCALE	AS SHOWN		DESIGNED BY	DATE	DRAWING TITLE		
	CONFIDENTIAL-ALL RIGHTS RESERVED-PROPERTY OF		DRAWN BY	DATE	Figure 3. De-icing Pads Location Map		
	 CLT, NORTH CAROLINA 28210		BGS	31DEC14	Charlotte Douglas Airport		
			CHECKED BY	DATE	Charlotte, North Carolina		
			JM	31DEC14	PROJECT NO.	DRAWING NO.	REV.
	APPROVED BY	DATE	JM	31DEC14	38941629	FIGURE-3	0

Appendix G
Stormwater Pollution Prevention Plan Certification

**STORMWATER POLLUTION PREVENTION PLAN
DEVELOPMENT AND IMPLEMENTATION
CERTIFICATION**

North Carolina Division of Energy, Mineral, and Land Resources – Stormwater Permitting

Facility Name: Charlotte Douglas International Airport
Permit Number: NC0083877
Location Address: 5501 Josh Birmingham Parkway
Charlotte NC 28208
County: Mecklenburg

"I certify, under penalty of law, that the Stormwater Pollution Prevention Plan (SPPP) document and all attachments were developed and implemented under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information required by the SPPP. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information gathered is, to the best of my knowledge and belief, true, accurate and complete."

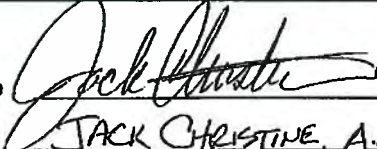
And

"I certify that the SPPP has been developed, signed and retained at the named facility location, and the SPPP has been fully implemented at this facility location in accordance with the terms and conditions of the stormwater discharge permit."

And

"I am aware that there are significant penalties for falsifying information, including the possibility of fines and imprisonment for knowing violations."

Sign (according to permit signatory requirements) and return this Certification. DO NOT SEND STORMWATER POLLUTION PREVENTION PLAN WITH THIS CERTIFICATION.

Signature 
JACK CHRISTINE, A.A.E.
Print or type name of person signing above

Date 12/24/14
DEPUTY AVIATION DIRECTOR
Title

Appendix B

Duke Energy No Exposure Certification Exclusion



North Carolina Department of Environment and Natural Resources

Division of Water Quality

Coleen H. Sullins

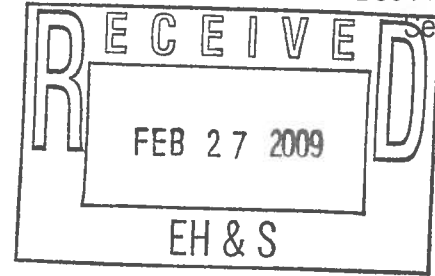
Director

Dee Freeman

Secretary

Beverly Eaves Perdue
Governor

February 20, 2009



Mr. Allen Stowe
Duke Energy Corporation
526 South Church Street
Charlotte, NC 28202

Subject: No-Exposure Certification NCGNE0545
Aviation – Charlotte Operations
4620 First Flight Dr., Charlotte, NC 28208-5770
Mecklenburg County

Dear Mr. Stowe:

The Division has reviewed your submittal of the No-Exposure Certification for Exclusion from NPDES Stormwater Permitting form. Based on your submittal and signed certification of no exposure at the above referenced facility, the Division is granting your conditional exclusion from permitting as provided for under 40 CFR 126.22(g), which is incorporated by reference in North Carolina regulations.

Please note that by our acceptance of your no-exposure certification, you are obligated to maintain no-exposure conditions at your facility. If conditions change such that your facility can no longer qualify for a no-exposure exclusion, you are obligated to immediately obtain NPDES permit coverage for your stormwater discharge. Otherwise, the discharge becomes subject to enforcement as an un-permitted discharge. Your conditional no-exposure exclusion expires in five years (February 19, 2014). At that time you must re-certify with the Division, or obtain NPDES permit coverage for any stormwater discharges from your facility.

Your conditional exclusion from permitting does not affect your facility's legal requirements to obtain environmental permits that may be required under other federal, state, or local regulations or ordinances.

If you have any questions or need further information, please contact Robert Patterson at (919) 807-6375, or at robert.patterson@ncmail.net.

Sincerely,

for Coleen H. Sullins

cc: Mooresville Regional Office-Michael Parker
Stormwater Permitting Unit No- Exposure Files

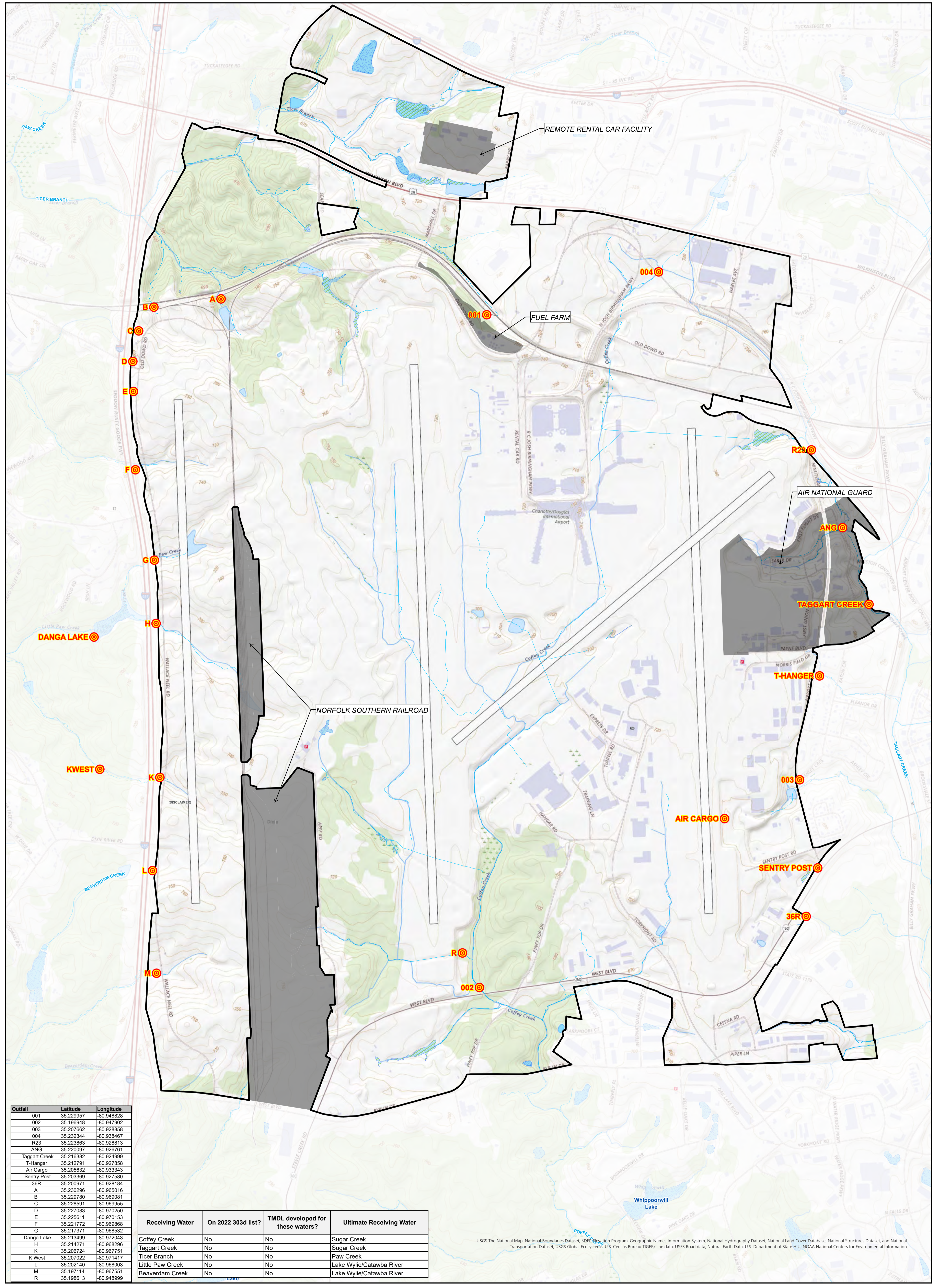
Wetlands and Stormwater Branch
1617 Mail Service Center, Raleigh, North Carolina 27699-1617
Location: 512 N. Salisbury St. Raleigh, North Carolina 27604
Phone: 919-807-6300 \ FAX: 919-807-6494 \ Customer Service: 1-877-623-6748
Internet: www.ncwaterquality.org

An Equal Opportunity \ Affirmative Action Employer

One
North Carolina
Naturally

Appendix C

Maps & Tables



Outfall	Latitude	Longitude
001	35.229957	-80.948828
002	35.196948	-80.947902
003	35.207662	-80.928858
004	35.232344	-80.939467
R23	35.223863	-80.928813
ANG	35.220097	-80.926761
Taggart Creek	35.216382	-80.924999
T-Hanger	35.212791	-80.927858
Air Cargo	35.205632	-80.933343
Sentry Post	35.203369	-80.927580
36R	35.200971	-80.928184
A	35.230296	-80.965016
B	35.229780	-80.969081
C	35.228591	-80.969955
D	35.227083	-80.970250
E	35.226111	-80.970153
F	35.221772	-80.969868
G	35.217371	-80.968532
Danga Lake	35.213499	-80.972043
H	35.214271	-80.968296
K	35.206724	-80.967751
K West	35.207022	-80.971417
L	35.202140	-80.968003
M	35.197114	-80.967551
R	35.198613	-80.948999

Receiving Water	On 2022 303d list?	TMDL developed for these waters?	Ultimate Receiving Water
Coffey Creek	No	No	Sugar Creek
Taggart Creek	No	No	Sugar Creek
Ticer Branch	No	No	Paw Creek
Little Paw Creek	No	No	Lake Wylie/Catawba River
Beaverdam Creek	No	No	Lake Wylie/Catawba River

USGS The National Map: National Boundaries Dataset, 3DElevation Program, Geographic Names Information System, National Hydrography Dataset, National Land Cover Database, National Structures Dataset, and National Transportation Dataset; USGS Global Ecosystems; U.S. Census Bureau TIGER/Line data; USFS Road data; Natural Earth Data; U.S. Department of State HIU; NOAA National Centers for Environmental Information

Outfalls
 Existing Wetland
 Streams
 Airport Boundary Line
 Existing Ponds

Note: Noncontiguous, undeveloped parcels owned by CLT are not included in this figure.

5501 Josh Birmingham Pkwy
Charlotte, NC 28208

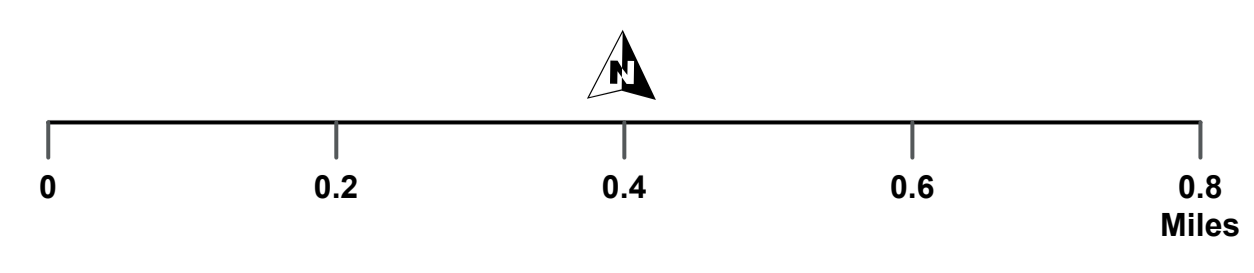
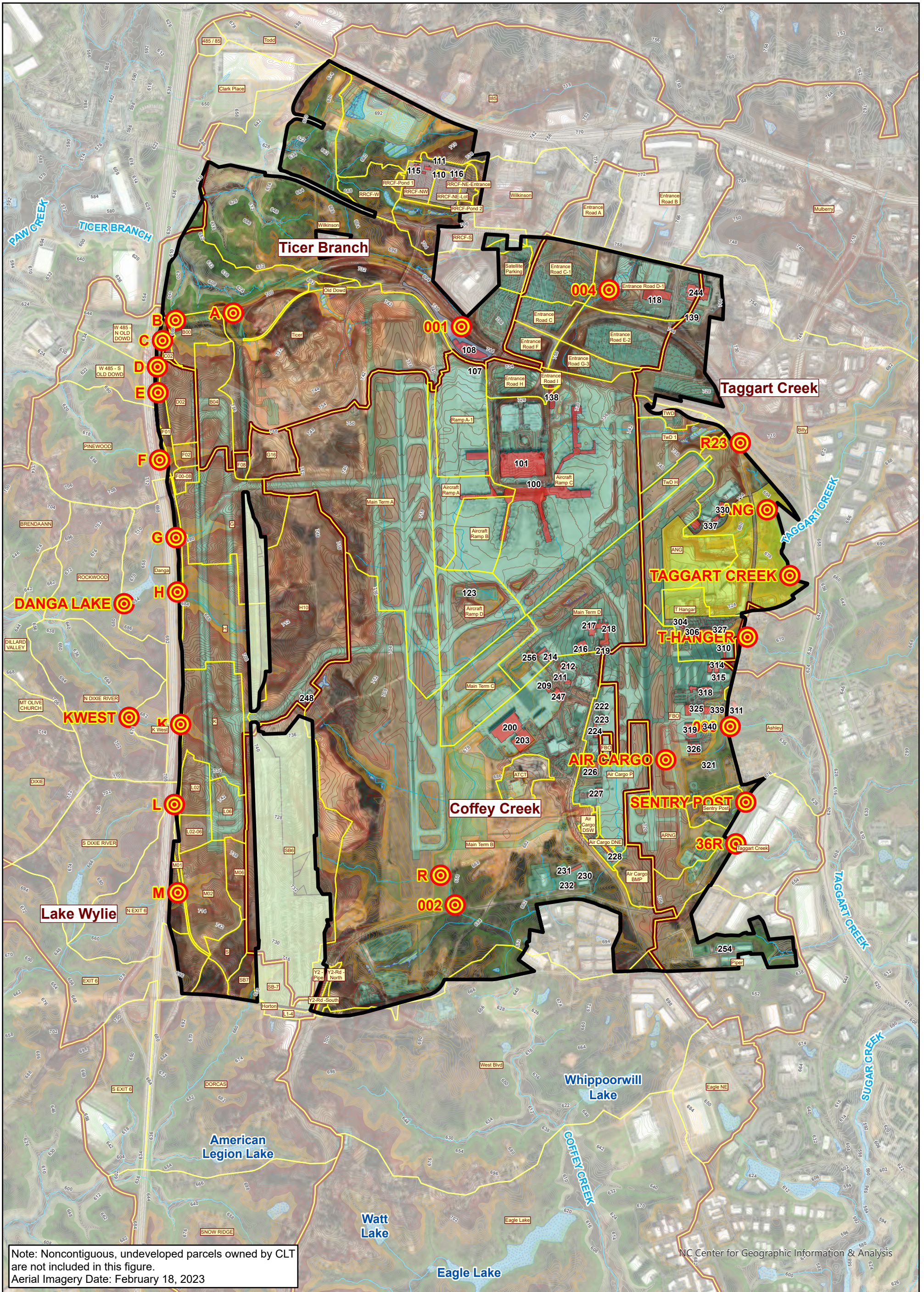


Figure 1 - Site Location Map

Former Outfall Q has been piped into a new subsurface culvert at Coffey Creek (2023).

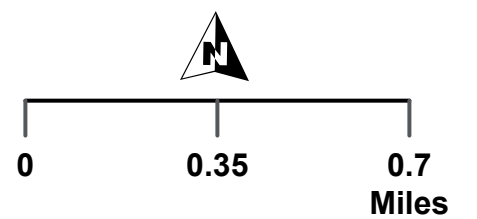


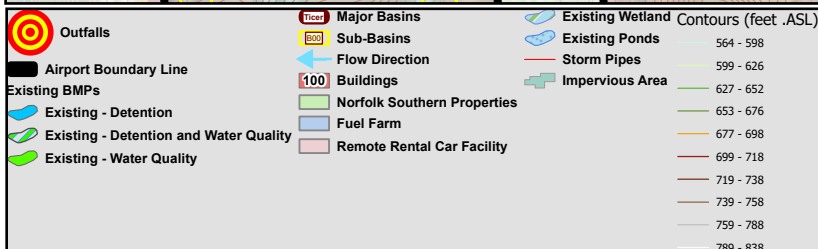
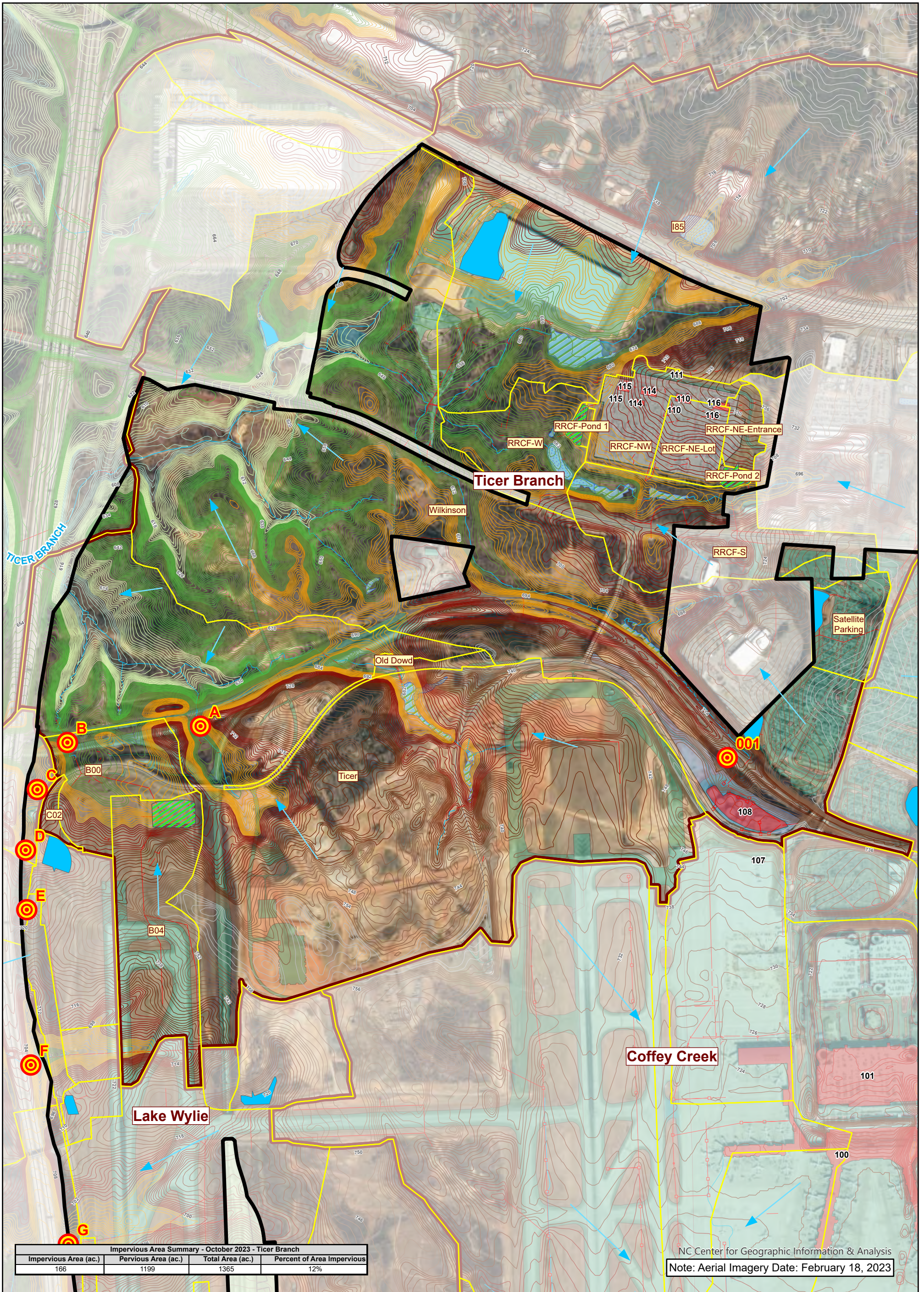
Note: Noncontiguous, undeveloped parcels owned by CLT are not included in this figure.
 Aerial Imagery Date: February 18, 2023

NC Center for Geographic Information & Analysis

	Outfalls		Existing Ponds	Contours (feet .ASL)	759 - 788
	Airport Boundary Line		Existing Wetland	564 - 598	789 - 838
	Sub-Basins		Buildings	599 - 626	
	Major Basins		Norfolk Southern Properties	627 - 652	
	Impervious Area		Air National Guard	653 - 676	
			Fuel Farm	677 - 698	
			Remote Rental Car Facility	699 - 718	
				719 - 738	
				739 - 758	

5501 Josh Birmingham Pkwy
 Charlotte, NC 28208
Figure 2 - Overall Site Plan





5501 Josh Birmingham Pkwy
Charlotte, NC 28208

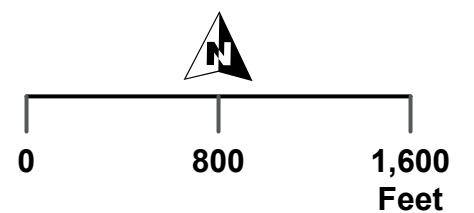
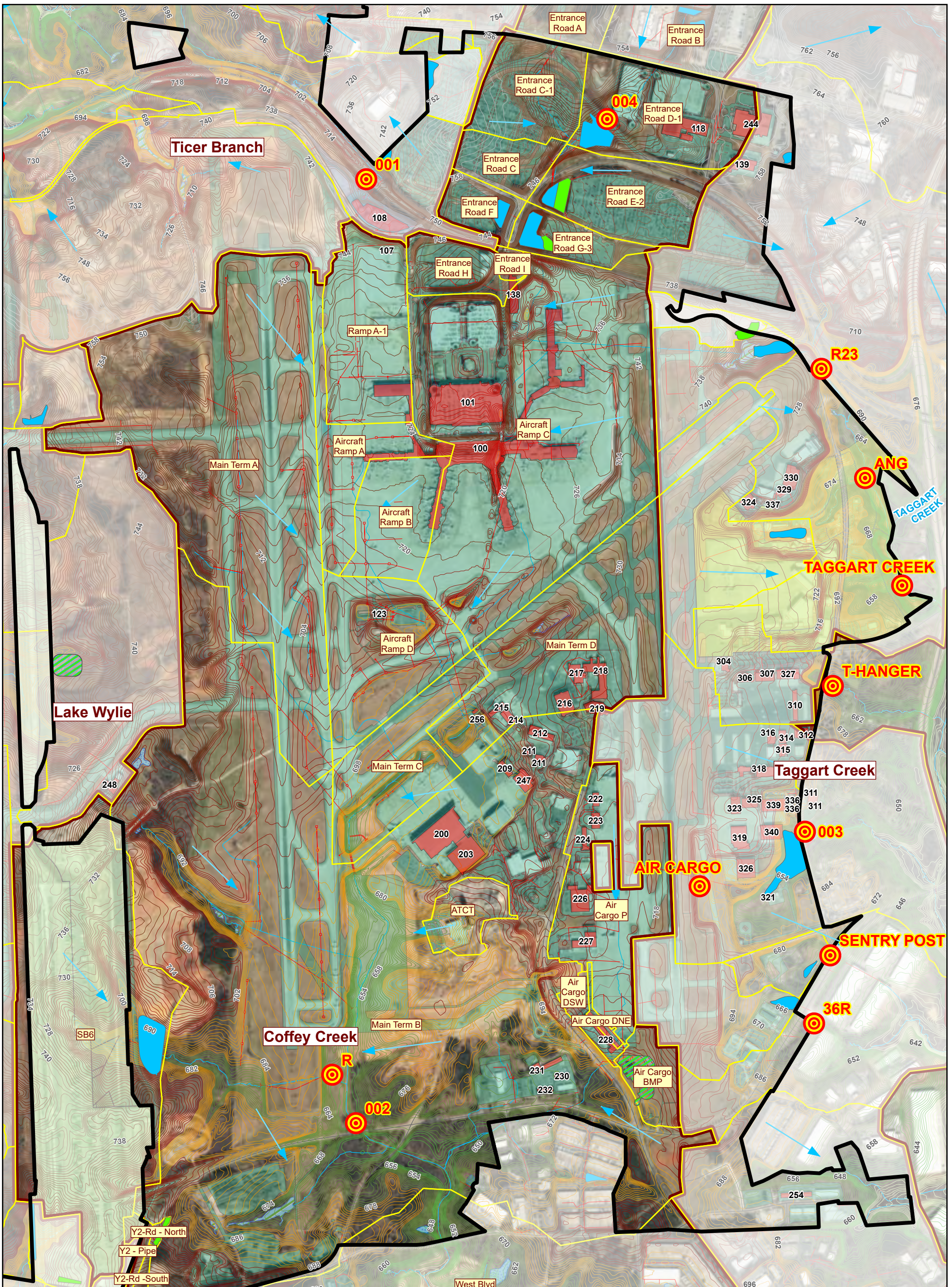


Figure 2A - Site Plan (Ticer Branch Basin)



Impervious Area Summary - October 2023 - Coffey Creek

Impervious Area (ac.)	Pervious Area (ac.)	Total Area (ac.)	Percent of Area Impervious
1007	3394	4401	23%

NC Center for Geographic Information & Analysis
 Note: Aerial Imagery Date: February 18, 2023

Outfalls	Major Basins	Existing Ponds	Contours (feet .ASL)
Airport Boundary Line	Sub-Basins	Existing Wetland	564 - 598
Existing BMPs	Flow Direction	Impervious Area	599 - 626
Existing - Detention	Buildings	Storm Pipes	627 - 652
Existing - Detention and Water Quality	Norfolk Southern Properties		653 - 676
Existing - Water Quality	Air National Guard		677 - 698
	Fuel Farm		699 - 718
			719 - 738
			739 - 758
			759 - 788
			789 - 838

5501 Josh Birmingham Pkwy
 Charlotte, NC 28208

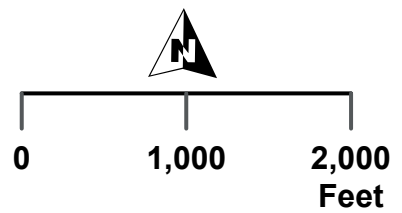
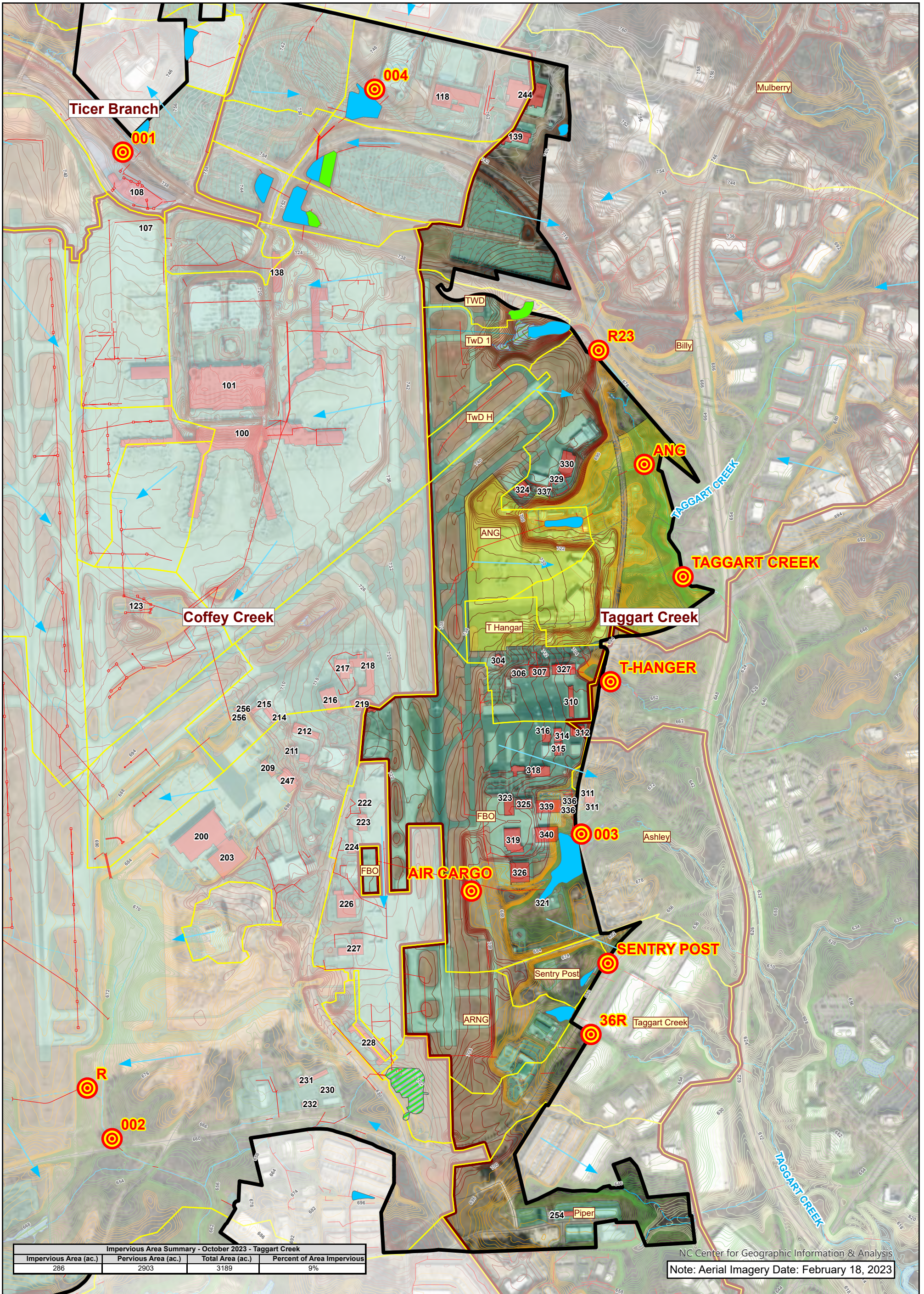


Figure 2B - Site Plan (Coffey Creek Basin)



- Outfalls
- Airport Boundary Line
- Existing BMPs
- Existing - Detention
- Existing - Detention and Water Quality
- Existing - Water Quality
- Major Basins
- Sub-Basins
- Flow Direction
- Buildings
- Air National Guard
- Fuel Farm
- Impervious Area
- Existing Wetland
- Existing Ponds
- Storm Pipes
- Contours (feet .ASL)
- 564 - 598
- 599 - 626
- 627 - 652
- 653 - 676
- 677 - 698
- 699 - 718
- 719 - 738
- 739 - 758
- 759 - 788
- 789 - 838

5501 Josh Birmingham Pkwy
 Charlotte, NC 28208

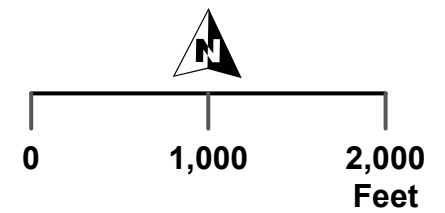
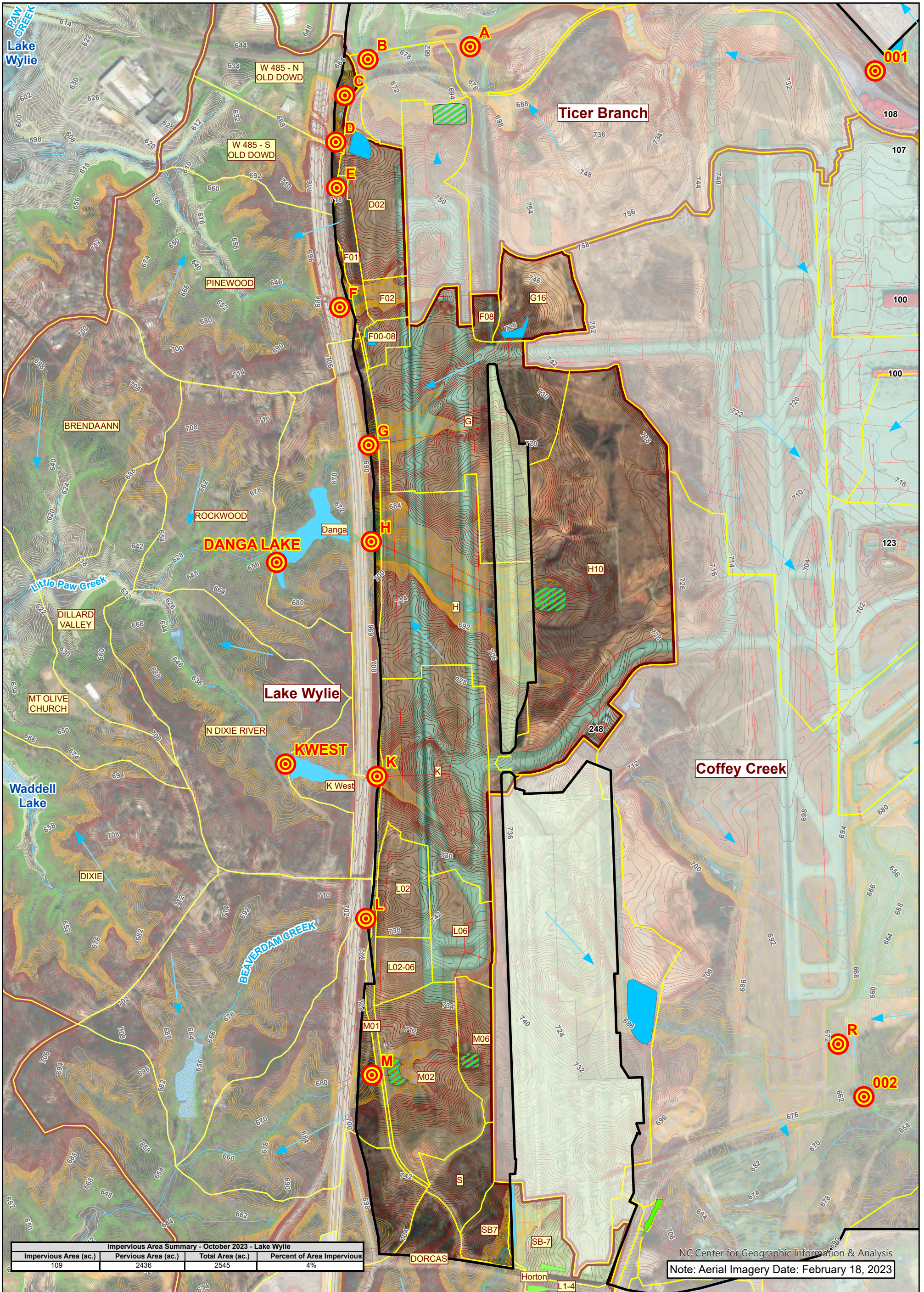


Figure 2C - Site Plan Taggart Creek Basin



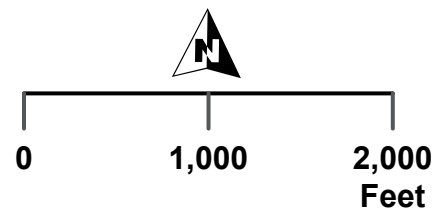
Impervious Area Summary - October 2023 - Lake Wylie			
Impervious Area (ac.)	Pervious Area (ac.)	Total Area (ac.)	Percent of Area Impervious
109	2436	2545	4%

NC Center for Geographic Information & Analysis
 Note: Aerial Imagery Date: February 18, 2023

Outfalls	Major Basins	Storm Pipes	Contours (feet ASL)
Airport Boundary Line	Sub-Basins	Existing Ponds	564 - 598
Existing BMPs	Flow Direction	Existing Wetland	599 - 626
Existing - Detention	Buildings	Impervious Area	627 - 652
Existing - Detention and Water Quality	Norfolk Southern Properties		653 - 676
Existing - Water Quality	Fuel Farm		677 - 698
			699 - 718
			719 - 738
			739 - 758
			759 - 788
			789 - 838

5501 Josh Birmingham Pkwy
 Charlotte, NC 28208

Figure 2D - Site Plan (Lake Wylie Basin)





Buildings

BUILDING #	TENANT/BUILDING NAME	ADDRESS	GRID #	BUILDING #	TENANT/BUILDING NAME	ADDRESS	GRID #	BUILDING #	TENANT/BUILDING NAME	ADDRESS	GRID #
100	TERMINAL	5501 JOSH BIRMINGHAM PKWY	C-3	216	AMERICAN AIRLINES GSE	4716 YORKMONT RD	D-5	307	CHARLOTTE PIPE (WILSON AIR CENTER)	5305 MORRIS FIELD DR	E-5
101	RENTAL CAR LOT HOURLY DECK	6485 JOSH BIRMINGHAM PKWY	C-3	217	LSC SKY CHEFS	4710 YORKMONT RD	D-4	310	HANGARS (WILSON AIR CENTER)	5111 AIRPORT DR	E-5
107	WEST RAMP	4102 RENTAL CAR RD	C-2	218	AMERICAN AIRLINES CATERING	4705 YORKMONT RD	D-5	311	NATIONAL GYPSUM (WILSON AIR CENTER)	5111-C MORRIS FIELD DR	E-5
108	FUEL FARM	6502 OLD DOWD RD	C-2	219	PIEDMONT MAINTENANCE	4700 YORKMONT RD	D-5	312	AUTOBELL (WILSON AIR CENTER)	5111-C MORRIS FIELD DR	E-5
110	REMOTE RENTAL CAR LOT (HERTZ)	6515 RACKHAM DR	C-1	222	UPS	4404 YORKMONT RD	D-5	314	GROUP 13 (WILSON AIR CENTER)	5400 A-B AIRPORT DR	E-5
111	REMOTE RENTAL CAR FACILITY	6520 RACKHAM DR	C-1	223	DELTA CARGOJET/STREAM	4402 YORKMONT RD	D-5	315	AIR ALLIANCE GROUP HANGAR (WILSON AIR CENTER)	5330 AIRPORT DR	E-5
114	REMOTE RENTAL CAR LOT (AVIS)	6525 RACKHAM DR	B-1	224	PEAK SUPPLY CHAIN SOLUTIONS	4308 YORKMONT RD	D-5	316	SONIC AVIATION (WILSON AIR CENTER)	5395 AIRPORT DR	E-5
115	REMOTE RENTAL CAR LOT (SIXT)	6535 RACKHAM DR	B-1	226	FEDEX	4200 YORKMONT RD	D-6	318	WILSON GSE (WILSON AIR CENTER)	5400 AIRPORT DR	E-5
116	REMOTE RENTAL CAR LOT (ENTERPRISE)	6425 RACKHAM DR	C-1	227	AMAZON/TREGO-DUGAN	4100 YORKMONT RD	D-6	319, 326	BANK OF AMERICA (WILSON AIR CENTER)	5416 AIRPORT DR	E-5
118	CLT CENTER	5601 WILKINSON BLVD	D-2	228	CLT FIELD MAINTENANCE/MATHESON	3628 YORKMONT RD	D-6	321	CHARLOTTE-MECKLENBURG POLICE DEPT HANGAR	3998 SENTRY POST RD	E-6
123	CLT MIDFIELD	4859 EXPRESS DR	C-4	230	SUNSHINE	4732-4 WEST BLVD	D-6	323	GROUP HANGAR (WILSON AIR CENTER)	5410-A AIRPORT DR	E-5
138	TRANSFER POINT	5415 JOSH BIRMINGHAM PKWY	C-3	231	AMERICAN AIRLINES IT STOCK DISTRIBUTION	4734 WEST BLVD	D-6	324	COCA-COLA (WILSON AIR CENTER)	4690 FIRST FLIGHT DR	E-4
139	CLT FLEET MAINTENANCE	3701 HARLEE AVE	E-2	232	BESCO ELECTRICAL/HMS HOST	4800 WEST BLVD	D-7	325	GROUP HANGAR II (WILSON AIR CENTER)	5412 AIRPORT DR	E-5
200	AMERICAN AIRLINES MAINTENANCE	5020 HANGAR RD	C-5	244	AMERICAN AIRLINES ENGINE SHOP	5535 WILKINSON BLVD	E-2	327	DAVINCI (WILSON AIR CENTER)	5207 MORRIS FIELD DR	E-5
203	AMERICAN AIRLINES STOCK DISTRIBUTION	5000 HANGAR RD	C-5	247	PSA HANGAR	4817 EXPRESS DR	D-5	329, 330	HONEYWELL	4672 FIRST FLIGHT DR	E-4
209	DOSI UNIT	4821 EXPRESS DR	C-5	248	FIRE STATION #1	5740-B WEST BLVD	B-5	336	WILSON AIR FUEL FARM SOUTH	5422 AIRPORT DR	E-5
211	PIEDMONT GSE	4812 EXPRESS DR	D-5	254	BLVD GROUP	3140-G PIPER LN	E-7	337	WILSON AIR FUEL FARM NORTH	4680 FIRST FLIGHT DR	E-4
212	DNATA/STS LINE MAINTENANCE	4818 EXPRESS DR	D-5	256	DE-ICING FACILITY	4851 EXPRESS DR	C-5	339	LOVES (WILSON AIR CENTER)	5414 AIRPORT DR	E-5
214	EXPRESS CATERING/MENZIES GSE	4840 EXPRESS DR	C-5	304	FIRE STATION 17	5308 MORRIS FIELD DR	E-4	340	TRUIST (WILSON AIR CENTER)	5434 AIRPORT DR	E-5
215	IDS	4850 EXPRESS DR	C-5	306	CMC / ATRIUM (WILSON AIR CENTER)	5309 MORRIS FIELD DR	E-5				

Source: Aerial Imagery Date: February 19, 2023

Fuel Sources

INDEX	BUILDING #	ADDRESS	NOTES	GRID LOCATION
1	111	6520 RACKHAM DR	REMOTE RENTAL CAR FACILITY	C-1
2	118	5601 WILKINSON BLVD	SOUTH SIDE OF CLT CENTER	D-2
3	108	6502 OLD DOWD RD	MENZIES FUEL FARM	C-2
4	138	5415 JOSH BIRMINGHAM PKWY	TRANSFER POINT	C-3
5	101	5489 JOSH BIRMINGHAM PKWY	RENTAL CAR - GROUND LEVEL/HOURLY DECK	C-3
6	337	4680 FIRST FLIGHT DR	WILSON AIR FUEL FARM NORTH	E-4
7	123	4859 EXPRESS DR	MIDFIELD	C-4
8	256	4851 EXPRESS DR	DE-ICING FACILITY	C-5
9	336	5422 AIRPORT DR	WILSON AIR FUEL FARM	E-5
10	321	3998 SENTRY POST RD	CMPD HANGAR	E-6
11	107	4102 RENTAL CAR RD	WEST RAMP	C-2

▭ Building Outlines
▭ Fuel Source Locations

5501 Josh Birmingham Pkwy
Charlotte, NC 28208

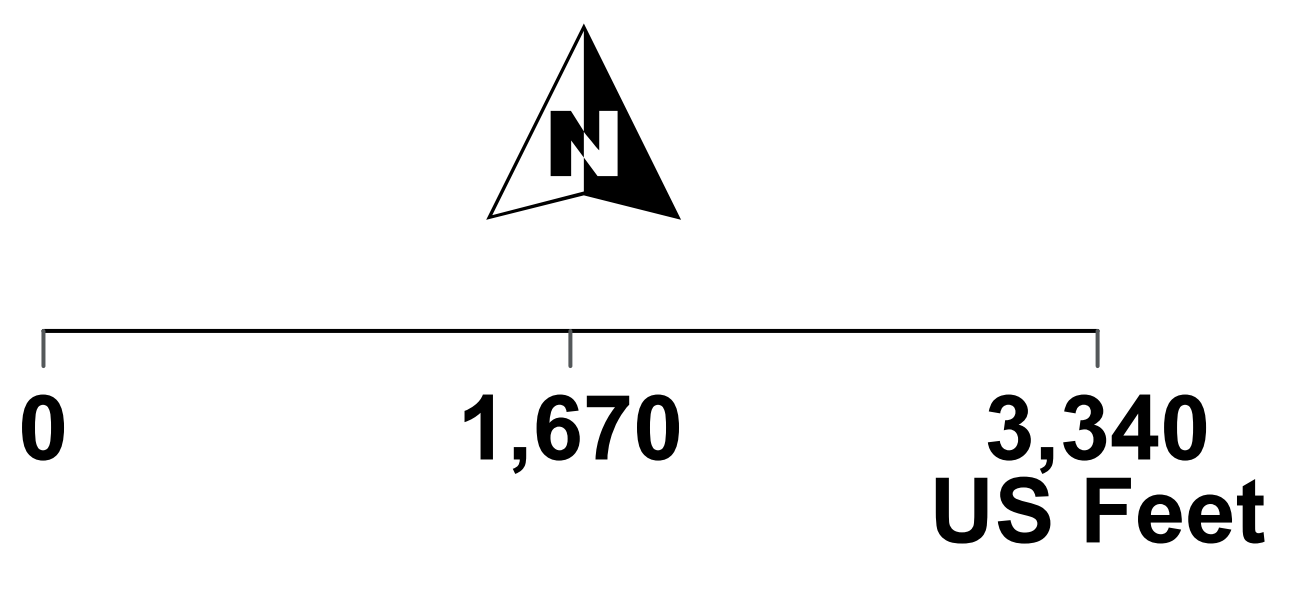


Figure 3 - Buildings and Fuel Source Locations

Table 1
Current Tenant Listing
Stormwater Pollution Prevention Plan
Charlotte-Douglas International Airport

Facility ID	Company	Physical Address	Contact Name	Telephone	Email
100	American Airlines Ramp Area (Concourse A, B, C, & D)	5501 Josh Birmingham Parkway	Robin Bailey	980-229-3382	robin.a.bailey@aa.com
100	CLT Midfield	5501 Josh Birmingham Parkway	Josh Eller	704-793-7706	joshua.eller@cltairport.com
100	CLT T-Point	5501 Josh Birmingham Parkway	Josh Eller	704-793-7706	joshua.eller@cltairport.com
100	CLT West Ramp / A North	5501 Josh Birmingham Parkway	Josh Eller	704-793-7706	joshua.eller@cltairport.com
100	Contour Airlines	5501 Josh Birmingham Parkway	Grace Pittman / Joann Canlas	407-885-5793 / 980-226-2473	grace.pittman@flycontour.com
100	Delta Line Maintenance	5501 Josh Birmingham Parkway	Daniel	704-359-4953	clt250leads@delta.com
100	G2 United GSE	5501 Josh Birmingham Parkway	Farrah Fox	704-359-6851 / 980-666-0057	ffox@g2securestaff.com
100	Jetstream / Southwest	5501 Josh Birmingham Parkway	Darrel Butler / Demond Smalls	704-277-7308 / 704-968-1153	dbutler@jetstreamgs.com / dsmalls@jetstreamgs.com
100	Piedmont Ramp Area (Concourse E)	5501 Josh Birmingham Parkway	Elizabeth Woodard	704-359-6499	elizabeth.woodard@aa.com
100	Spirit / UNIFI	5501 Josh Birmingham Parkway	Jennifer Casallas	347-816-2398 / 980-221-6196	jennifercasallas@unifiservice.com
101	Rental Car Lot / Hourly Deck	5489 Josh Birmingham Parkway	Adam Dietz	860-805-7680	adietz@mvifieldservices.com
108	Menzies Fuel Farm	6502 Old Dowd Road	Nate Freeland	980-333-5542	nate.freeland@menziesaviation.com
110	Remote Rental Car Lot (Hertz)	6515 Rackham Drive	Adam Dietz	860-805-7680	adietz@mvifieldservices.com
114	Remote Rental Car Lot (Avis)	6525 Rackham Drive	Adam Dietz	860-805-7680	adietz@mvifieldservices.com
115	Remote Rental Car Lot (Sixt)	6535 Rackham Drive	Adam Dietz	860-805-7680	adietz@mvifieldservices.com
116	Remote Rental Car Lot (Enterprise)	6425 Rackham Drive	Adam Dietz	860-805-7680	adietz@mvifieldservices.com
118	CLT Center	5601 Wilkinson Boulevard (map shows 5613)	Josh Eller	704-793-7706	joshua.eller@cltairport.com
139	CLT Fleet Maintenance	3701 Harlee Ave	Josh Eller	704-793-7706	joshua.eller@cltairport.com
200	American Airlines Base Maintenance Facility	5020 Hangar Road	Robin Bailey	980-229-3382	robin.a.bailey@aa.com
200	American Airlines Line Maintenance	5020 Hangar Road	Robin Bailey	980-229-3382	robin.a.bailey@aa.com
203	American Airlines Stock Distribution	5000 Hangar Road	Robin Bailey	980-229-3382	robin.a.bailey@aa.com
209	DGS / UNIFI	4821 Express Drive	Gene Skinner	843-337-0384	gene.skinner@delta.com
211	Piedmont GSE	4812 Express Drive	Robert Ginas	704-359-5922	robert.ginas@aa.com
212	DNATA	4818-C Express Drive	Alvin Duran	704-877-1221	alvin.duran@dnata.us
212	STS Line Maintenance	4818-B Express Drive	Demetrius Lang	704-999-1958	demetrius.lang@stslm.com
214	Express Catering	4840 A Express Drive	Edwin Dragun	732-757-7946	edwin.dragun@expcatering.com
214	Menzies GSE	4840-C Express Drive	Eric Brown	707-631-7431	eric.brown@menziesaviation.com
215	IDS	4850 Express Drive	Phil Barefoot	704-359-1126	philb@idsllc.aero
216	American Airlines GSE Maintenance Facility	4716 Yorkmont Road	Robin Bailey	980-229-3382	robin.a.bailey@aa.com
217	LSG Sky Chefs	4710 Yorkmont Road	Al Pesa	980-242-3098	al.pesa@lsgskycheffs.com
218	American Airlines Catering	4706 Yorkmont Road	Robin Bailey	980-229-3382	robin.a.bailey@aa.com
219	Piedmont Maintenance	4700 Yorkmont Road	Bill Shapach	704-359-4720	william.shapach@aa.com
222	UPS	4404 Yorkmont Road	Danny Ndingwan	704-359-1650	dndingwan@ups.com
223	Delta Cargo/Jetstream	4402 Yorkmont Road	David Brown	917-576-5965	dbrown@jetstreamgs.com
224	Peak Supply Chain Solutions	4308 Yorkmont Rd	Chris Lewis	704-420-2284	clewis@peakscs.com
226	FedEx	4200 Yorkmont Road	Ashley Kuligowski	704-718-3128	ashley.kuligowski@fedex.com
227	Amazon/Trego-Dugan	4100 Yorkmont Road	Shannon Wilson	704-747-3616	shannon.wilson@trego-dugan.com
228	CLT Field Maintenance	3628 B Yorkmont Road	Josh Eller	704-793-7706	joshua.eller@cltairport.com

Table 1
Current Tenant Listing
Stormwater Pollution Prevention Plan
Charlotte-Douglas International Airport

Facility ID	Company	Physical Address	Contact Name	Telephone	Email
228	Matheson	3628 A Yorkmont Road	Paul Viers	704-616-8587	pviders@mathesoninc.com
230	Sunshine	4732-H West Blvd	Cy Angelos	954-772-0884	cangelos@sunclean.com
231	American Airlines IT Stock Distribution	4734 West Boulevard	Alisa Delgado	704-359-1586	alisa.delgado@aa.com
232	BESCO Electrical	4800 B West Blvd	James Fike	704-439-6844	j.fike@bescoelectrical.com
232	HMS Host	4800-A West Boulevard	Andrew McCann	704-359-4481	andrew.mccann@hmshost.com
247	PSA Hangar	4817 Express Drive	Tony Duvet	937-520-1131	anthony.duvet@psairlines.com
248	Fire Station 41	5740-B West Boulevard	Kevin Rink	704-913-4381	kevin.rink@charlottenc.gov
244	American Airlines Engine Shop	5535 Wilkinson Boulevard	Robin Bailey	980-229-3382	robin.a.bailey@aa.com
254	Budd Group	3140-G Piper Lane	Andy McMurry	704-477-2921	amcmurry@buddgroup.com
304	Fire Station 17	5308 Morris Field Drive	Kevin Rink	704-913-4381	kevin.rink@charlottenc.gov
306	CMC / Atrium (Wilson Air Center)	5309 Morris Field Drive	Todd Rivard	980-250-9566	Trivard@wilsonair.com
307	Charlotte Pipe (Wilson Air Center)	5305 Morris Field Drive	Todd Rivard	980-250-9566	Trivard@wilsonair.com
310	T-Hangars (Wilson Air Center)	5111 Airport Drive	Todd Rivard	980-250-9566	Trivard@wilsonair.com
311	National Gypsum (Wilson Air Center)	5111 Morris Field Drive	Todd Rivard	980-250-9566	Trivard@wilsonair.com
312	AutoBell (Wilson Air Center)	5111-C Morris Field Drive	Todd Rivard	980-250-9566	Trivard@wilsonair.com
314	Group 13 (Wilson Air Center)	5400 A-B Airport Drive	Todd Rivard	980-250-9566	Trivard@wilsonair.com
315	Air Alliance Group Hangar (Wilson Air Center)	5330 Airport Drive	Todd Rivard	980-250-9566	Trivard@wilsonair.com
316	Sonic Aviation (Wilson Air Center)	5398 Airport Drive	Todd Rivard	980-250-9566	Trivard@wilsonair.com
318A	Wilson GSE (Wilson Air Center)	5400 Airport Drive	Todd Rivard	980-250-9566	Trivard@wilsonair.com
319, 326	Bank of America (Wilson Air Center)	5416 Airport Drive	Todd Rivard	980-250-9566	Trivard@wilsonair.com
321	Charlotte-Mecklenburg Police Department (CMPD) Hangar	3998 Sentry Post Road	Rick Haight	704.359.4889	rhaight@cmpd.org
323	Group Hangar I (Wilson Air Center)	5410-A Airport Drive	Todd Rivard	980-250-9566	Trivard@wilsonair.com
324	Coca-Cola (Wilson Air Center)	4690 First Flight Drive	Todd Rivard	980-250-9566	Trivard@wilsonair.com
325	Group Hangar II (Wilson Air Center)	5412 Airport Drive	Todd Rivard	980-250-9566	Trivard@wilsonair.com
327	DaVinci (Wilson Air Center)	5207 Morris Field Drive	Todd Rivard	980-250-9566	Trivard@wilsonair.com
336	Wilson Air Fuel Farm South	5422 Airport Drive	Todd Rivard	980-250-9566	Trivard@wilsonair.com
337	Wilson Air Fuel Farm North	4680 First Flight Drive	Todd Rivard	980-250-9566	Trivard@wilsonair.com
339	Lowes (Wilson Air Center)	5414 Airport Drive	Todd Rivard	980-250-9871	Trivard@wilsonair.com
340	Truist (Wilson Air Center)	5434 Airport Drive	Todd Rivard	980-250-9566	Trivard@wilsonair.com
329, 330	Honeywell	4672 First Flight Drive	Allan Johnstone	704-641-6430	robert.johnstone@honeywell.com
N/A	Hi-Way Paving Concrete Batch Plant	4901 Hangar Rd	Gregg Minnihan / Kyle Vaughn	980-346-5430	gminnihan@hiwaypaving.com / kvaughn@hiwaypaving.com

Table 2
Industrial Activities by Facility
Stormwater Pollution Prevention Plan
Charlotte-Douglas International Airport

Minor Drainage Basin	Aircraft Ramp A,B,C	Aircraft Ramp C	Wilkinson	RRCF-NE-Lot	RRCF-NW	RRCF-NW	RRCF-NE-Lot
Major Drainage Basin	Coffey	Coffey	Ticer	Ticer	Ticer	Ticer	Ticer
Tenant	Various (Terminal)	Hourly Parking Deck	Menzies Fuel Farm	Remote Rental Car / Hertz	Remote Rental Car / Avis	Remote Rental Car / Sixt	Remote Rental Car / Enterprise
Facility ID	100	101	108	110	114	115	116
Aircraft Deicing	■						
Aircraft Fueling	■						
Aircraft Maintenance	■						
Aircraft Painting/Stripping							
Aircraft Sanitary Service	■						
Aircraft Washing	■						
Cargo Handling	■						
Chemical Storage	■		■				
Equipment Degreasing/Washing	■						
Equipment Maintenance	■		■				
Equipment Storage	■						
Fuel Storage	■	■	■	■	■	■	■
Fire Equipment Testing/Flushing							
Floor Washdown							
Fabrication							
Outdoor Apron Washdown	■						
Pesticide/Herbicide Use							
Potable Water Flushing							
Runway Deicing							
Runway Rubber Removal							
Vehicle/Equip. Fueling	■	■	■	■	■	■	■
Vehicle Maintenance	■	■	■	■	■	■	■
Vehicle/Equip. Painting/Stripping				■	■	■	■
Vehicle Washing		■	■	■	■	■	■
Other							

Notes:
Runway Deicing and Rubber Removal are conducted on the airport runways with portions located in all 4 of the major drainage basins.
Outdoor Apron Washdown is conducted at the Main Terminal Building in the Coffey Creek drainage basin.
Construction Activities occur intermittently throughout the airport property across all major drainage basins.

Table 2
Industrial Activities by Facility
Stormwater Pollution Prevention Plan
Charlotte-Douglas International Airport

Minor Drainage Basin	Entrance Road D-1	Billy	Main Term B	Main Term B	Main Term B	Main Term B	Main Term B
Major Drainage Basin	Coffey	Coffey	Coffey	Coffey	Coffey	Coffey	Coffey
Tenant	CLT Center	CLT Fleet Maintenance	AA Base/Line Maintenance	AA Stock Distribution	DGS UNIFI	Piedmont GSE	STS Line Maintenance / DNATA
Facility ID	118	139	200	203	209	211	212
Aircraft Deicing							
Aircraft Fueling							
Aircraft Maintenance			■				■
Aircraft Painting/Stripping			■				
Aircraft Sanitary Service							
Aircraft Washing			■				
Cargo Handling							
Chemical Storage		■	■	■	■	■	■
Equipment Degreasing/Washing	■				■		
Equipment Maintenance	■	■	■		■	■	
Equipment Storage	■	■	■	■	■	■	
Fuel Storage	■			■			
Fire Equipment Testing/Flushing							
Floor Washdown	■	■				■	
Fabrication			■				
Outdoor Apron Washdown							
Pesticide/Herbicide Use							
Potable Water Flushing							
Runway Deicing							
Runway Rubber Removal							
Vehicle/Equip. Fueling	■						
Vehicle Maintenance		■				■	■
Vehicle/Equip. Painting/Stripping							
Vehicle Washing	■						■
Other							
Notes: Runway Deicing and Rubber Removal are conducted on the airport runways with portions located in all 4 of the major drainage basins. Outdoor Apron Washdown is conducted at the Main Terminal Building in the Coffey Creek drainage basin. Construction Activities occur intermittently throughout the airport property across all major drainage basins.							

Table 2
Industrial Activities by Facility
Stormwater Pollution Prevention Plan
Charlotte-Douglas International Airport

Minor Drainage Basin	Main Term D	Main Term D	Main Term B, D	Main Term D	Main Term D	Main Term B, D	Air Cargo P
Major Drainage Basin	Coffey	Coffey	Coffey	Coffey	Coffey	Coffey	Coffey
Tenant	Express Catering / Menzies GSE	IDS	American Airlines GSE	LSG SkyChefs	American Airlines Catering	Piedmont Maintenance	UPS
Facility ID	214	215	216	217	218	219	222
Aircraft Deicing		■					
Aircraft Fueling							■
Aircraft Maintenance							■
Aircraft Painting/Stripping							
Aircraft Sanitary Service							■
Aircraft Washing							
Cargo Handling							■
Chemical Storage	■	■	■			■	■
Equipment Degreasing/Washing	■		■				
Equipment Maintenance	■	■	■			■	■
Equipment Storage	■	■	■		■	■	■
Fuel Storage	■						
Fire Equipment Testing/Flushing							
Floor Washdown							
Fabrication							
Outdoor Apron Washdown							
Pesticide/Herbicide Use							■
Potable Water Flushing							
Runway Deicing							
Runway Rubber Removal							
Vehicle/Equip. Fueling		■					
Vehicle Maintenance	■	■	■				■
Vehicle/Equip. Painting/Stripping	■						
Vehicle Washing		■	■				
Other							
Notes: Runway Deicing and Rubber Removal are conducted on the airport runways with portions located in all 4 of the major drainage basins. Outdoor Apron Washdown is conducted at the Main Terminal Building in the Coffey Creek drainage basin. Construction Activities occur intermittently throughout the airport property across all major drainage basins.							

Table 2
Industrial Activities by Facility
Stormwater Pollution Prevention Plan
Charlotte-Douglas International Airport

Minor Drainage Basin	Air Cargo P	Air Cargo P	Air Cargo P	Air Cargo P	Air Cargo DSW, DNE	Main Term B	Main Term B
Major Drainage Basin	Coffey	Coffey	Coffey	Coffey	Coffey	Coffey	Coffey
Tenant	Delta Cargo / Jetstream	Peak SCS	FedEx	Amazon / Trego- Dugan	Matheson / CLT Field Maintenance	Sunshine Cleaners	AA IT Stock Distribution
Facility ID	223	224	226	227	228	230	231
Aircraft Deicing			■				
Aircraft Fueling			■				
Aircraft Maintenance			■	■			
Aircraft Painting/Stripping							
Aircraft Sanitary Service			■				
Aircraft Washing							
Cargo Handling	■	■	■	■	■		
Chemical Storage			■		■		
Equipment Degreasing/Washing			■				
Equipment Maintenance		■	■	■			
Equipment Storage			■		■		
Fuel Storage				■			
Fire Equipment Testing/Flushing							
Floor Washdown			■		■		
Fabrication							
Outdoor Apron Washdown							
Pesticide/Herbicide Use					■		
Potable Water Flushing							
Runway Deicing							
Runway Rubber Removal							
Vehicle/Equip. Fueling			■		■		
Vehicle Maintenance			■				
Vehicle/Equip. Painting/Stripping							
Vehicle Washing							
Water Tank Cleaning/Washing					■		
Notes:							
Runway Deicing and Rubber Removal are conducted on the airport runways with portions located in all 4 of the major drainage basins.							
Outdoor Apron Washdown is conducted at the Main Terminal Building in the Coffey Creek drainage basin.							
Construction Activities occur intermittently throughout the airport property across all major drainage basins.							

Table 2
 Industrial Activities by Facility
 Stormwater Pollution Prevention Plan
 Charlotte-Douglas International Airport

Minor Drainage Basin	Main Term B	H10	Billy	Piper	T Hangar	T Hangar	T Hangar
Major Drainage Basin	Coffey	Lake Wylie	Taggart	Taggart	Taggart	Taggart	Taggart
Tenant	PSA	Fire Station 41	AA Engine Shop	Budd Group	Fire Station 17	CMC Atrium	Charlotte Pipe
Facility ID	247	248	250	254	304	306	307
Aircraft Deicing							
Aircraft Fueling							
Aircraft Maintenance	■		■			■	
Aircraft Painting/Stripping							
Aircraft Sanitary Service							
Aircraft Washing							
Cargo Handling							
Chemical Storage	■	■	■		■		■
Equipment Degreasing/Washing		■	■		■		
Equipment Maintenance	■		■				
Equipment Storage	■	■	■		■		
Fuel Storage		■	■		■		
Fire Equipment Testing/Flushing		■					
Floor Washdown	■				■		
Fabrication							
Outdoor Apron Washdown							
Pesticide/Herbicide Use							
Potable Water Flushing							
Runway Deicing							
Runway Rubber Removal							
Vehicle/Equip. Fueling		■			■		
Vehicle Maintenance	■						
Vehicle/Equip. Painting/Stripping							
Vehicle Washing		■			■		
Other							
Notes: Runway Deicing and Rubber Removal are conducted on the airport runways with portions located in all 4 of the major drainage basins. Outdoor Apron Washdown is conducted at the Main Terminal Building in the Coffey Creek drainage basin. Construction Activities occur intermittently throughout the airport property across all major drainage basins.							

Table 2
 Industrial Activities by Facility
 Stormwater Pollution Prevention Plan
 Charlotte-Douglas International Airport

Minor Drainage Basin	T Hangar	T Hangar	FBO	FBO	FBO	FBO	FBO
Major Drainage Basin	Taggart	Taggart	Taggart	Taggart	Taggart	Taggart	Taggart
Tenant	T Hangar	National Gypsum	AutoBell	Group 13	Air Alliance	Sonic Aviation	Wilson GSE
Facility ID	310	311	312	314	315	316	318-A
Aircraft Deicing							
Aircraft Fueling							
Aircraft Maintenance	■						■
Aircraft Painting/Stripping							
Aircraft Sanitary Service							
Aircraft Washing							
Cargo Handling							
Chemical Storage	■		■				■
Equipment Degreasing/Washing							
Equipment Maintenance							■
Equipment Storage	■						■
Fuel Storage							■
Fire Equipment Testing/Flushing							
Floor Washdown							
Fabrication							
Outdoor Apron Washdown							
Pesticide/Herbicide Use							
Potable Water Flushing							
Runway Deicing							
Runway Rubber Removal							
Vehicle/Equip. Fueling							
Vehicle Maintenance	■						
Vehicle/Equip. Painting/Stripping							
Vehicle Washing							
Other							
Notes: Runway Deicing and Rubber Removal are conducted on the airport runways with portions located in all 4 of the major drainage basins. Outdoor Apron Washdown is conducted at the Main Terminal Building in the Coffey Creek drainage basin. Construction Activities occur intermittently throughout the airport property across all major drainage basins.							

Table 2
 Industrial Activities by Facility
 Stormwater Pollution Prevention Plan
 Charlotte-Douglas International Airport

Minor Drainage Basin	FBO	FBO	FBO	ANG/Billy	FBO	T Hangar	Billy
Major Drainage Basin	Taggart	Taggart	Taggart	Taggart	Taggart	Taggart	Taggart
Tenant	Bank of America	CPMD	Group 1	Coca Cola	Group 2	Davinci	Honeywell
Facility ID	319	321	323	324	325	327	330
Aircraft Deicing							
Aircraft Fueling		■					■
Aircraft Maintenance		■					■
Aircraft Painting/Stripping							
Aircraft Sanitary Service							■
Aircraft Washing							
Cargo Handling							
Chemical Storage	■						■
Equipment Degreasing/Washing							■
Equipment Maintenance		■					■
Equipment Storage	■						■
Fuel Storage		■					■
Fire Equipment Testing/Flushing	■						
Floor Washdown							
Fabrication							
Outdoor Apron Washdown							
Pesticide/Herbicide Use							
Potable Water Flushing							
Runway Deicing							
Runway Rubber Removal							
Vehicle/Equip. Fueling							■
Vehicle Maintenance							■
Vehicle/Equip. Painting/Stripping							
Vehicle Washing							
Other							
Notes:	<p>Runway Deicing and Rubber Removal are conducted on the airport runways with portions located in all 4 of the major drainage basins.</p> <p>Outdoor Apron Washdown is conducted at the Main Terminal Building in the Coffey Creek drainage basin.</p> <p>Construction Activities occur intermittently throughout the airport property across all major drainage basins.</p>						

Table 2
 Industrial Activities by Facility
 Stormwater Pollution Prevention Plan
 Charlotte-Douglas International Airport

Minor Drainage Basin	FBO	Billy	FBO	FBO	Main Term B, ATCT
Major Drainage Basin	Taggart	Taggart	Taggart	Taggart	Coffey
Tenant	Wilson FF South	Wilson FF North	Lowe's	Truist	Hi-Way Paving
Facility ID	336	337	339	340	N/A
Aircraft Deicing					
Aircraft Fueling					
Aircraft Maintenance			■	■	
Aircraft Painting/Stripping					
Aircraft Sanitary Service			■		
Aircraft Washing					
Cargo Handling					
Chemical Storage			■	■	■
Equipment Degreasing/Washing					
Equipment Maintenance					■
Equipment Storage					■
Fuel Storage	■	■	■		■
Fire Equipment Testing/Flushing				■	
Floor Washdown					
Fabrication					■
Outdoor Apron Washdown					
Pesticide/Herbicide Use					
Potable Water Flushing					
Runway Deicing					
Runway Rubber Removal					
Vehicle/Equip. Fueling					■
Vehicle Maintenance					■
Vehicle/Equip. Painting/Stripping					
Vehicle Washing					
Other					
Notes:	Runway Deicing and Rubber Removal are conducted on the airport runways with portions located in all 4 of the major drainage basins. Outdoor Apron Washdown is conducted at the Main Terminal Building in the Coffey Creek drainage basin. Construction Activities occur intermittently throughout the airport property across all major drainage basins.				

Table 3
List of Significant Spills and Leaks
Stormwater Pollution Prevention Plan
Charlotte-Douglas International Airport

DATE	PRODUCT	LOCATION OF INCIDENT	AMOUNT (gallons)	CAUSE OF SPILL	ACTION TAKEN
2/1/2021	AFFF	Air National Guard Hanger	500 gallons	Operator/Equipment Error	CFD, ANG
3/23/2021	AFFF	PSA Hangar	20 gallons	Equipment Error	CFD, Meck SWS, JGE
4/14/2021	Jet Fuel	Gate A10	6 gallons	Equipment Error	CFD, OPS
5/10/2021	Jet Fuel	Gate B4	5 gallons	Equipment Error	CFD, OPS
5/22/2021	Hydraulic Fluid	C Taxiway	Unknown	Equipment Malfunction	CFD, AA, OPS
5/28/2021	AFFF	Fire Station 17	40 gallons	Unknown	CFD
6/12/2021	Jet Fuel	D4 Gate area	4 gallons	Operator Error	Menzies
6/17/2021	Jet Fuel	A4 Gate Area	50 gallons	Unknown	Menzies
6/24/2021	Jet Fuel	E17 gate	100 gallons	Operator/Equipment Error	Menzies, OPS, CFD
7/18/2021	Type IV Delcing Fluid	4850 Express Drive	180 gallons	Equipment Malfunction	IDS, OPS, JJ
8/3/2021	Jet Fuel	Gate C13	30 Gallons	Equipment Damage	Menzies
8/13/2021	Jet Fuel	Gate B11	5 gallons	Operator Error	Menzies, CFD
9/30/2021	Jet Fuel	Gate C14	15 gallons	Operator Error	Menzies, CFD, OPS
10/29/2021	Jet Fuel	Gate A29	10 gallons	Equipment Malfunction	Menzies, CFD, OPS
12/6/2021	Jet Fuel	Gate E25	20 gallons	Operator Error	Menzies, CFD, OPS, JGE
2/5/2022	Jet Fuel	Base Maintenance	10-15 gallons	Equipment Malfunction	AA, OPS
3/2/2022	Jet Fuel	T-Point	2-3 gallons	Operator/ Equipment Failure	Menzies, OPS
5/21/2022	Jet Fuel	Gate E19	10 gallons	Equipment Malfunction	OPS, Menzies, CFD
8/1/2022	Diesel Fuel	4831 Express Drive	30-40 gallons	Equipment Malfunction	OPS, CFD, AA, JGE
8/12/2022	Jet Fuel	Gate A13	30 Gallons	Equipment Malfunction	OPS, CFD, Menzies
8/28/2022	Lavatory Cart Fluid	T-Point	40 gallons	Operator Error	OPS, Piedmont
8/31/2022	Hydraulic Fluid	Gate C16	30 Gallons	Equipment Malfunction	OPS, CLT Maintenance, AA
9/20/2022	Diesel Fuel	Fire Station 17	<5 Gallons	Overfill	CFD, ANG, JGE, SWS
11/3/2022	Hydraulic Fluid	Gate D5	20 gallons	Equipment Malfunction	CFD, OPS, Contractor
11/11/2022	Jet Fuel	Gate C2	150 gallons	Operator/Equipment Error	CFD, Menzies, OPS
1/24/2023	Hydraulic Fluid	Gate E4	2-3 gallons	Equipment Malfunction	OPS, Piedmont, JM, JGE
3/3/2023	Gasoline	Enterprise Rackham Drive	12 gallons	Failed Dispenser Clamp	Enterprise, CFD, CLT
3/14/2023	Jet Fuel	RWY 36C	10 gallons	Equipment Malfunction	CFD, OPS
4/14/2023	Hydraulic Fluid	Near D2 Gate	10 gallons	Equipment Malfunction	Airline/CLT Staff Cleanup
4/23/2023	DEF	T-point	<5 gallons	Equipment Malfunction	OPS, Piedmont
7/2/2023	Hydraulic Fluid	Ticketing Level	<5 Gallons	Equipment Malfunction	CFD, HEFL
7/2/2023	Jet Fuel	Gate C17	70-100 gallons	Operator/Equipment Error	OPS, CFD, AA
8/23/2023	AFFF	Sentry Post Road	5 Gallons	Operator Error	CFD, JGE, HazMat
9/11/2023	Jet Fuel	Gate D1	7 gallons	Tug Overflow	Blaze 1 Contained
9/29/2023	Jet Fuel	Gate A6	700 Gallons	Equipment Malfunction	AA, CFD, OPS
12/4/2023	Jet Fuel	Gate B2	15 gallons	Equipment Malfunction	OPS, Menzies, AA
1/4/2024	Jet A	AA Base Maintenance Ramp	300 Gallons	Operator/Equipment Malfunction	OPS, AA, Charneck SWS
1/9/2024	Jet A	Gate E32	100 Gallons	Equipment/Operator Error	CFD, OPS, Menzies
1/26/2024	Jet A	Cargo Ramp	20 gallons	Equipment Malfunction	Wilson Air, Ops, CFD, Menzies
2/2/2024	Hydraulic Fluid	Gate D5	10 gallons	Equipment Malfunction	AA, OPS
5/8/2024	Gasoline	West Ramp Fueling	224 gallons	Operator Error	CFD, OPS, Menzies
5/16/2024	Gasoline	Midfield	50-100 gallons	Equipment Malfunction	AA, CFD, OPS
5/23/2024	Jet A	Gate E6	15 gallons	Equipment Malfunction	Menzies, CFD, Ops
7/14/2024	Jet A	Gate D6	35 gallons	Equipment Malfunction	CFD, AA, Menzies

Notes:
ASIG: Air Service International Group
DEF: Diesel Exhaust Fluid
FS 17: Fire Station #17
CFD: Charlotte Fire Department
CMPD: Charlotte-Mecklenburg Police Department
AA: American Airlines
OPS: Airport Operations
JJ: Jimmy Jordan, Environmental Manager
JGE: Josh Eller, Environmental Compliance Specialist
JM: James McDorman, Former Environmental Compliance Coordinator
RB: Robin Bailey
HEFL: Holder-Edison Foard-Leeper Construction
ANG: Air National Guard
ARFF: Aircraft Rescue and Firefighting
AFFF: Aircraft Fire Fighting Foam

Table 4
 Best Management Practices
 Stormwater Pollution Prevention Plan
 Charlotte-Douglas International Airport

Activity Description	Applicable BMP																	
	Elimination of Non-Stormwater Discharges to Storm Drain	Aircraft, Vehicle, and Equipment Maintenance	Aircraft, Vehicle, and Equipment Fueling	Aircraft, Vehicle, and Equipment Washing	Aircraft Deicing/Anti-Icing	Outdoor Waste and Material Handling	Outdoor Storage of Waste and Materials	Waste/Garbage Handling and Disposal	Building and Grounds Maintenance	Stormwater Pollution Prevention Education	Lavatory Service Operations	Outdoor Washdown/Sweeping	Fire Fighting Foam Discharge	Potable Water System Flushing	Runway Rubber Removal	Oil/Water Separators	Emergency Spill Cleanup Plans	Airfield Pavement Deicing/Anti-Icing
A/V/E Deicing *	<input type="checkbox"/>				<input checked="" type="checkbox"/>	<input type="checkbox"/>				<input type="checkbox"/>							<input type="checkbox"/>	
A/V/E Fueling	<input type="checkbox"/>		<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>						<input type="checkbox"/>	<input type="checkbox"/>	
A/V/E Maintenance	<input type="checkbox"/>	<input checked="" type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>										
Aircraft Lavatory Service	<input type="checkbox"/>					<input type="checkbox"/>	<input type="checkbox"/>			<input checked="" type="checkbox"/>							<input type="checkbox"/>	
A/V/E Painting or Stripping	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>				<input type="checkbox"/>										
A/V/E Washing or Cleaning	<input type="checkbox"/>			<input checked="" type="checkbox"/>			<input type="checkbox"/>			<input type="checkbox"/>						<input type="checkbox"/>	<input type="checkbox"/>	
Apron/Floor Washdown	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>				<input type="checkbox"/>			<input checked="" type="checkbox"/>						<input type="checkbox"/>
Cargo Handling	<input type="checkbox"/>					<input type="checkbox"/>				<input type="checkbox"/>							<input type="checkbox"/>	
Chemical/Fuel Storage	<input type="checkbox"/>					<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>						<input type="checkbox"/>	<input type="checkbox"/>	
Equipment Storage	<input type="checkbox"/>					<input type="checkbox"/>				<input type="checkbox"/>								
Fire Equipment Testing	<input type="checkbox"/>												<input checked="" type="checkbox"/>					
Pesticide/Herbicide Usage	<input type="checkbox"/>					<input type="checkbox"/>			<input checked="" type="checkbox"/>	<input type="checkbox"/>							<input type="checkbox"/>	
Potable Water Flushing	<input type="checkbox"/>	<input type="checkbox"/>								<input type="checkbox"/>				<input checked="" type="checkbox"/>				
Runway Deicing	<input type="checkbox"/>					<input type="checkbox"/>				<input type="checkbox"/>							<input type="checkbox"/>	<input checked="" type="checkbox"/>
Runway Rubber Removal	<input type="checkbox"/>									<input type="checkbox"/>					<input checked="" type="checkbox"/>			

Notes:
 A/V/E is the abbreviation for Aircraft/Vehicle/Equipment
 Indicates that BMP generally applies or relates to the activity
 Indicates that BMP is directed specifically toward the activity

Appendix D

Tenant Inspection Data Sheets



Facility Details

Facility Name	Date(s) of Inspection
AA Base Maintenance Facility - Main Hangar	11-10-23
Address or Area	Representative Participation?
5020 Hangar Rd	Yes
Facility Representative	Contact Information (phone and/or email)
Robin Bailey	Robin.a.bailey@aa.com

Questions

1. Locate the storm drain locations at this facility (quantity/location)

2. Drains are free of debris?

Yes

Debris Note:

3. Are there visible signs of oil sheens leading to storm drains?

No

4. Is there evidence of spills of any kind to storm drains?

No

5. Has the tenant had any spills not previously reported to CLT?

No

Describe Unreported Previous Spill(s):

6. Are there hard pipe connections leading to the storm drains?

No

7. Are floor drains present inside the building?

Yes



CLT - Semi-annual Stormwater

No.
00061

8. Are any of the below products within 10 feet of a floor drain inside the building or near a grate drain outside the building?

a. Antifreeze

No

b. Batteries or Battery Acid

No

c. Pesticides

No

d. Fertilizers

No

e. Salt or Coal

No

f. Firefighting Foam

g. Garbage/Landfills

No

h. Oil Cans or Oil

No

i. Cleaning Agents

No

j. Degreasers

No

k. Sewerage Waste

No

l. Lavatory Chemicals

No

m. Paint/Paint Waste

No

n. De-Icing Fluid

No

Does the tenant actively train with AFFF?

No

9. Listed products (in question 8) should be stored in covered containers in an enclosed area

Product Storage Note:

10. Are large containers of liquids (over 660 gallons) present at this facility?

Yes

11. Containers over 660 gallons must be either;

Double walled/Secondary containment - varies by container

12. Is there a secondary AST containment dike (or similar) present outside at this facility?

Yes

13. Does the dike contain a locking mechanism?

Yes

14. Is the mechanism locked?

Yes

15. Is there a log (available for review) of water released through the dike containing the date, time and quantity of release?

Yes

16. Is there a refuse, scrap, recyclable or other-purposed dumpster in use at this facility?

Yes

Describe:

Lidded dumpster for general refuse

17. Are vehicles washed outside at the facility?



CLT - Semi-annual Stormwater

No.
00061

No

18. Does the tenant have a wash plan available?

NA

19. Is the vehicle wash water/wastewater collected?

NA

20. Are detergents biodegradable?

NA

Product Name: (See product label or MSDS)

21. Is there an active oil-water separator in use at this facility?

Yes

What is the cleanout frequency?

Annual

22. Does the tenant have manifests available to correspond with OWS service dates?

Yes

23. The OWS flows to:

Stormwater System

24. Is there evidence of soil erosion or excessive "muddy" water runoff at your facility?

No

Runoff Note:

25. Are there any structural BMPs on site?

No

BMP List:

26. Is there overall evidence of an obvious, non-stormwater discharge to the stormwater drains at this facility?

No

Discharge Note:

Other comments or concerns:



CLT - Tenant Inspection

No.
00021

Inspection Details

Facility Name:
AA Base Maintenance Facility
Inspector Name:
Chris Alexander

Inspection Date:
11/10/2023

Activities listed below are conducted at the airport and have potential to impact storm water.

Industrial Activities

Activity	Current:	Location:	Contracted:	Comments:
Aircraft Deicing	No			
Aircraft Fueling	No			
Aircraft Maintenance	Yes	Both	No	
Aircraft Painting/ Stripping	No			
Aircraft Sanitary Service	No			
Aircraft Washing	No			
Cargo Handling	No			
Chemical Storage	No			
Equipment Degreasing/ Washing	No			
Equipment Maintenance	No			
Equipment Storage	Yes	Both	No	
Fuel Storage	No			
Fire Equipment Testing/ Flushing	No			
Floor Washdown	No			
Manufacturing	Yes	Inside		Machine shop
Outdoor Apron Washdown	No			
Pesticide/Herbicide Use	No			
Potable Water Flushing	No			
Runway Deicing	No			
Runway Rubber Removal	No			
Steam Cleaning	No			
Vehicle Fueling	No			
Vehicle Maintenance	No			
Vehicle Painting/ Stripping	No			
Vehicle Washing	No			
Water Tank Cleaning/ Washing	No			
Other	No			



CLT - Tenant Inspection

Any solid or liquid material used or stored at your facility could have the potential to impact storm water if handled, stored, or used improperly. An inventory of these types of materials is listed below.

Potential Pollutants

Pollutant	Present:	Management: (state storage or management practice)	Comments:
Antifreeze	No		
De-Icing Chemicals	No		
Fuel & Lubricants	Yes	Off the shelf type products	
Herbicides/Pesticides	No		
Lavatory Waste	No		
Oil and Grease	Yes	Off the shelf type products	
Paint	Yes	Rattle cans	
Detergents or Washwater	No		
Firefighting Agents	No		
Solvent	Yes	Off the shelf type products	
Used Batteries	No		
Laboratory Chemicals	No		
Perfumes/Dyes	No		
Liquid or Solid Corrosives	No		
Used Vehicle Parts	No		
Parts Cleaners	No		
Other Products	No		
Sediment	No		



CLT - Semi-annual Stormwater

No.
00062

Facility Details

Facility Name

AA Catering

Address or Area

4706 Yorkmont Rd

Facility Representative

Robin Bailey

Date(s) of Inspection

11-10-23

Representative Participation?

Yes

Contact Information (phone and/or email)

Questions

1. Locate the storm drain locations at this facility (quantity/location)

2. Drains are free of debris?

Yes

Debris Note:

3. Are there visible signs of oil sheens leading to storm drains?

No

4. Is there evidence of spills of any kind to storm drains?

No

5. Has the tenant had any spills not previously reported to CLT?

No

Describe Unreported Previous Spill(s):

6. Are there hard pipe connections leading to the storm drains?

No

7. Are floor drains present inside the building?

No



CLT - Semi-annual Stormwater

No.
00062

8. Are any of the below products within 10 feet of a floor drain inside the building or near a grate drain outside the building?

a. Antifreeze

No

b. Batteries or Battery Acid

No

c. Pesticides

No

d. Fertilizers

No

e. Salt or Coal

No

f. Firefighting Foam

No

Does the tenant actively train with AFFF?

No

g. Garbage/Landfills

No

h. Oil Cans or Oil

No

i. Cleaning Agents

No

j. Degreasers

No

k. Sewerage Waste

No

l. Lavatory Chemicals

No

m. Paint/Paint Waste

No

n. De-Icing Fluid

No

9. Listed products (in question 8) should be stored in covered containers in an enclosed area

Product Storage Note:

10. Are large containers of liquids (over 660 gallons) present at this facility?

No

11. Containers over 660 gallons must be either;

12. Is there a secondary AST containment dike (or similar) present outside at this facility?

No

13. Does the dike contain a locking mechanism?

NA

14. Is the mechanism locked?

NA

15. Is there a log (available for review) of water released through the dike containing the date, time and quantity of release?

NA

16. Is there a refuse, scrap, recyclable or other-purposed dumpster in use at this facility?

Yes

Describe:

Lidded dumpster for general refuse

17. Are vehicles washed outside at the facility?



CLT - Semi-annual Stormwater

No.
00062

No

18. Does the tenant have a wash plan available?

NA

19. Is the vehicle wash water/wastewater collected?

NA

20. Are detergents biodegradable?

NA

Product Name: (See product label or MSDS)

21. Is there an active oil-water separator in use at this facility?

No

22. Does the tenant have manifests available to correspond with OWS service dates?

23. The OWS flows to:

24. Is there evidence of soil erosion or excessive "muddy" water runoff at your facility?

No

Runoff Note:

25. Are there any structural BMPs on site?

No

BMP List:

26. Is there overall evidence of an obvious, non-stormwater discharge to the stormwater drains at this facility?

No

Discharge Note:

Other comments or concerns:



CLT - Tenant Inspection

No.
00022

Inspection Details

Facility Name:

AA Catering

Inspection Date:

11/10/2023

Inspector Name:

Chris Alexander

Activities listed below are conducted at the airport and have potential to impact storm water.

Industrial Activities

Activity	Current:	Location:	Contracted:	Comments:
Aircraft Deicing	No			
Aircraft Fueling	No			
Aircraft Maintenance	No			
Aircraft Painting/ Stripping	No			
Aircraft Sanitary Service	No			
Aircraft Washing	No			
Cargo Handling	No			
Chemical Storage	No			
Equipment Degreasing/ Washing	No			
Equipment Maintenance	No			
Equipment Storage	Yes	Inside	No	
Fuel Storage	No			
Fire Equipment Testing/ Flushing	No			
Floor Washdown	No			
Manufacturing	No			
Outdoor Apron Washdown	No			
Pesticide/Herbicide Use	No			
Potable Water Flushing	No			
Runway Deicing	No			
Runway Rubber Removal	No			
Steam Cleaning	No			
Vehicle Fueling	No			
Vehicle Maintenance	No			
Vehicle Painting/ Stripping	No			
Vehicle Washing	No			
Water Tank Cleaning/ Washing	No			
Other	No			



CLT - Tenant Inspection

Any solid or liquid material used or stored at your facility could have the potential to impact storm water if handled, stored, or used improperly. An inventory of these types of materials is listed below.

Potential Pollutants

Pollutant	Present:	Management: (state storage or management practice)	Comments:
Antifreeze	No		
De-Icing Chemicals	No		
Fuel & Lubricants	No		
Herbicides/Pesticides	No		
Lavatory Waste	No		
Oil and Grease	No		
Paint	No		
Detergents or Washwater	No		
Firefighting Agents	No		
Solvent	No		
Used Batteries	No		
Laboratory Chemicals	No		
Perfumes/Dyes	No		
Liquid or Solid Corrosives	No		
Used Vehicle Parts	No		
Parts Cleaners	No		
Other Products	No		
Sediment	No		



Facility Details

Facility Name AA Engine Shop	Date(s) of Inspection 12/19/2023
Address or Area 5535 Wilkinson Blvd	Representative Participation? Yes
Facility Representative Robin Bailey	Contact Information (phone and/or email) 980-229-3382/ robin.a.bailey@aa.com

Questions

1. Locate the storm drain locations at this facility (quantity/location)

2. Drains are free of debris?

Yes

Debris Note:

3. Are there visible signs of oil sheens leading to storm drains?

No

4. Is there evidence of spills of any kind to storm drains?

No

5. Has the tenant had any spills not previously reported to CLT?

No

Describe Unreported Previous Spill(s):

6. Are there hard pipe connections leading to the storm drains?

No

7. Are floor drains present inside the building?

Yes



CLT - Semi-annual Stormwater

No.
00030

8. Are any of the below products within 10 feet of a floor drain inside the building or near a grate drain outside the building?

a. Antifreeze

No

b. Batteries or Battery Acid

No

c. Pesticides

No

d. Fertilizers

No

e. Salt or Coal

No

f. Firefighting Foam

No

Does the tenant actively train with AFFF?

No

g. Garbage/Landfills

No

h. Oil Cans or Oil

No

i. Cleaning Agents

No

j. Degreasers

No

k. Sewerage Waste

No

l. Lavatory Chemicals

No

m. Paint/Paint Waste

No

n. De-Icing Fluid

No

9. Listed products (in question 8) should be stored in covered containers in an enclosed area

Yes

Product Storage Note:

10. Are large containers of liquids (over 660 gallons) present at this facility?

No

11. Containers over 660 gallons must be either;

12. Is there a secondary AST containment dike (or similar) present outside at this facility?

No

13. Does the dike contain a locking mechanism?

NA

14. Is the mechanism locked?

NA

15. Is there a log (available for review) of water released through the dike containing the date, time and quantity of release?

NA

16. Is there a refuse, scrap, recyclable or other-purposed dumpster in use at this facility?

Yes

Describe:

One household 30yrd compactor, one 8yrd cardboard recycling dumpster and one 30yrd construction debris dumpster



CLT - Semi-annual Stormwater

No.
00030

17. Are vehicles washed outside at the facility?

No

18. Does the tenant have a wash plan available?

NA

19. Is the vehicle wash water/wastewater collected?

NA

20. Are detergents biodegradable?

NA

Product Name: (See product label or MSDS)

21. Is there an active oil-water separator in use at this facility?

Yes

What is the cleanout frequency?

Yearly

22. Does the tenant have manifests available to correspond with OWS service dates?

Yes

23. The OWS flows to:

Unknown

24. Is there evidence of soil erosion or excessive "muddy" water runoff at your facility?

No

Runoff Note:

25. Are there any structural BMPs on site?

No

BMP List:

26. Is there overall evidence of an obvious, non-stormwater discharge to the stormwater drains at this facility?

No

Discharge Note:

Other comments or concerns:

There's a 500gal Diesel tank that's outside of building that's look's really good and has a spill kit next to it in case of a spill.



CLT - Tenant Inspection

No.
00063

Inspection Details

Facility Name:
AA Engine Shop
Inspector Name:
Rick Talley

Inspection Date:
12/19/2023

Activities listed below are conducted at the airport and have potential to impact storm water.

Industrial Activities

Activity	Current:	Location:	Contracted:	Comments:
Aircraft Deicing	No			
Aircraft Fueling	No			
Aircraft Maintenance	Yes	Inside	No	
Aircraft Painting/ Stripping	No			
Aircraft Sanitary Service	No			
Aircraft Washing	No			
Cargo Handling	No			
Chemical Storage	No			
Equipment Degreasing/ Washing	No			
Equipment Maintenance	Yes	Inside	No	
Equipment Storage	No			
Fuel Storage	Yes	Outside	No	There's a 500gal. Diesel tank outside that's in a containment
Fire Equipment Testing/ Flushing	No			
Floor Washdown	No			
Manufacturing	No			
Outdoor Apron Washdown	No			
Pesticide/Herbicide Use	No			
Potable Water Flushing	No			
Runway Deicing	No			
Runway Rubber Removal	No			
Steam Cleaning	No			
Vehicle Fueling	No			
Vehicle Maintenance	No			
Vehicle Painting/ Stripping	No			
Vehicle Washing	No			
Water Tank Cleaning/ Washing	No			



CLT - Tenant Inspection

Activity	Current:	Location:	Contracted:	Comments:
Other	No			

Any solid or liquid material used or stored at your facility could have the potential to impact storm water if handled, stored, or used improperly. An inventory of these types of materials is listed below.

Potential Pollutants

Pollutant	Present:	Management: (state storage or management practice)	Comments:
Antifreeze	No		
De-Icing Chemicals	No		
Fuel & Lubricants	Yes	500gal diesel tank in containment	
Herbicides/Pesticides	No		
Lavatory Waste	No		
Oil and Grease	Yes	They're kept in a containment area	
Paint	No		
Detergents or Washwater	No		
Firefighting Agents	No		
Solvent	No		
Used Batteries	No		
Laboratory Chemicals	No		
Perfumes/Dyes	No		
Liquid or Solid Corrosives	No		
Used Vehicle Parts	No		
Parts Cleaners	No		
Other Products	No		
Sediment	No		



CLT - Semi-annual Stormwater

No.
00063

Facility Details

Facility Name	Date(s) of Inspection
AA GSE Maintenance Facility	11-10-23
Address or Area	Representative Participation?
4716 Yorkmont Rd	Yes
Facility Representative	Contact Information (phone and/or email)
Robin Bailey	

Questions

1. Locate the storm drain locations at this facility (quantity/location)

2. Drains are free of debris?

Yes

Debris Note:

3. Are there visible signs of oil sheens leading to storm drains?

No

4. Is there evidence of spills of any kind to storm drains?

No

5. Has the tenant had any spills not previously reported to CLT?

No

Describe Unreported Previous Spill(s):

6. Are there hard pipe connections leading to the storm drains?

No

7. Are floor drains present inside the building?

Yes



CLT - Semi-annual Stormwater

No.
00063

8. Are any of the below products within 10 feet of a floor drain inside the building or near a grate drain outside the building?

a. Antifreeze

Yes

b. Batteries or Battery Acid

Yes

c. Pesticides

No

d. Fertilizers

No

e. Salt or Coal

No

f. Firefighting Foam

No

Does the tenant actively train with AFFF?

No

g. Garbage/Landfills

No

h. Oil Cans or Oil

Yes

i. Cleaning Agents

Yes

j. Degreasers

Yes

k. Sewerage Waste

No

l. Lavatory Chemicals

No

m. Paint/Paint Waste

No

n. De-Icing Fluid

No

9. Listed products (in question 8) should be stored in covered containers in an enclosed area

Yes

Product Storage Note:

In lockers, inside.

10. Are large containers of liquids (over 660 gallons) present at this facility?

No

11. Containers over 660 gallons must be either;

12. Is there a secondary AST containment dike (or similar) present outside at this facility?

N/A

13. Does the dike contain a locking mechanism?

N/A

14. Is the mechanism locked?

N/A

15. Is there a log (available for review) of water released through the dike containing the date, time and quantity of release?

N/A

16. Is there a refuse, scrap, recyclable or other-purposed dumpster in use at this facility?

Yes

Describe:

Lidded dumpster for general refuse

17. Are vehicles washed outside at the facility?



CLT - Semi-annual Stormwater

No.
00063

No

18. Does the tenant have a wash plan available?

No

19. Is the vehicle wash water/wastewater collected?

N/A

20. Are detergents biodegradable?

N/A

Product Name: (See product label or MSDS)

21. Is there an active oil-water separator in use at this facility?

Yes

What is the cleanout frequency?

Annual

22. Does the tenant have manifests available to correspond with OWS service dates?

Yes

23. The OWS flows to:

Stormwater System

24. Is there evidence of soil erosion or excessive "muddy" water runoff at your facility?

No

Runoff Note:

25. Are there any structural BMPs on site?

No

BMP List:

26. Is there overall evidence of an obvious, non-stormwater discharge to the stormwater drains at this facility?

Yes

Discharge Note:

Yard asphalt is not in the best shape and has small patches of localized oil staining.

Other comments or concerns:



CLT - Tenant Inspection

No.
00023

Inspection Details

Facility Name:
AA GSE Facility
Inspector Name:
Chris Alexander

Inspection Date:
11/10/2023

Activities listed below are conducted at the airport and have potential to impact storm water.

Industrial Activities

Activity	Current:	Location:	Contracted:	Comments:
Aircraft Deicing	No			
Aircraft Fueling	No			
Aircraft Maintenance	No			
Aircraft Painting/ Stripping	No			
Aircraft Sanitary Service	No			
Aircraft Washing	No			
Cargo Handling	No			
Chemical Storage	No			
Equipment Degreasing/ Washing	Yes	Inside	No	
Equipment Maintenance	Yes	Inside	No	
Equipment Storage	Yes	Both	No	
Fuel Storage	No			
Fire Equipment Testing/ Flushing	No			
Floor Washdown	No			
Manufacturing	No			
Outdoor Apron Washdown	No			
Pesticide/Herbicide Use	No			
Potable Water Flushing	No			
Runway Deicing	No			
Runway Rubber Removal	No			
Steam Cleaning	No			
Vehicle Fueling	No			
Vehicle Maintenance	Yes	Inside	No	
Vehicle Painting/ Stripping	No			
Vehicle Washing	Yes	Inside	No	
Water Tank Cleaning/ Washing	No			
Other	No			



CLT - Tenant Inspection

Any solid or liquid material used or stored at your facility could have the potential to impact storm water if handled, stored, or used improperly. An inventory of these types of materials is listed below.

Potential Pollutants

Pollutant	Present:	Management: (state storage or management practice)	Comments:
Antifreeze	Yes	Off the shelf type products	
De-Icing Chemicals	No		
Fuel & Lubricants	Yes	Off the shelf type products	
Herbicides/Pesticides	No		
Lavatory Waste	No		
Oil and Grease	Yes	Off the shelf type products	
Paint	Yes	Rattle cans	
Detergents or Washwater	Yes	Biodegradable detergent	
Firefighting Agents	No		
Solvent	Yes	Off the shelf type products	
Used Batteries	Yes	Large used battery packs are stored until they can be returned.	
Laboratory Chemicals	No		
Perfumes/Dyes	No		
Liquid or Solid Corrosives	No		
Used Vehicle Parts	Yes	Only kept until they can be turned in	
Parts Cleaners	Yes	Drumtop type	
Other Products	No		
Sediment	Yes	Yard could use sweeping	



CLT - Semi-annual Stormwater

No.
00012

Facility Details

Facility Name	Date(s) of Inspection
AA IT Stock Distribution	12/13/2023
Address or Area	Representative Participation?
4734 West Blvd	Yes
Facility Representative	Contact Information (phone and/or email)
Alisa Delgado	704-359-2973 / Alisa.delgado@aa.com

Questions

1. Locate the storm drain locations at this facility (quantity/location)

2. Drains are free of debris?

Yes

Debris Note:

3. Are there visible signs of oil sheens leading to storm drains?

No

4. Is there evidence of spills of any kind to storm drains?

No

5. Has the tenant had any spills not previously reported to CLT?

No

Describe Unreported Previous Spill(s):

6. Are there hard pipe connections leading to the storm drains?

No

7. Are floor drains present inside the building?

Yes



CLT - Semi-annual Stormwater

No.
00012

8. Are any of the below products within 10 feet of a floor drain inside the building or near a grate drain outside the building?

a. Antifreeze

No

b. Batteries or Battery Acid

No

c. Pesticides

No

d. Fertilizers

No

e. Salt or Coal

No

f. Firefighting Foam

No

Does the tenant actively train with AFFF?

No

g. Garbage/Landfills

No

h. Oil Cans or Oil

No

i. Cleaning Agents

No

j. Degreasers

No

k. Sewerage Waste

No

l. Lavatory Chemicals

No

m. Paint/Paint Waste

No

n. De-Icing Fluid

No

9. Listed products (in question 8) should be stored in covered containers in an enclosed area

Yes

Product Storage Note:

10. Are large containers of liquids (over 660 gallons) present at this facility?

No

11. Containers over 660 gallons must be either;

12. Is there a secondary AST containment dike (or similar) present outside at this facility?

No

13. Does the dike contain a locking mechanism?

NA

14. Is the mechanism locked?

NA

15. Is there a log (available for review) of water released through the dike containing the date, time and quantity of release?

NA

16. Is there a refuse, scrap, recyclable or other-purposed dumpster in use at this facility?

Yes

Describe:

One Household Dumpster

17. Are vehicles washed outside at the facility?



CLT - Semi-annual Stormwater

No.
00012

No

18. Does the tenant have a wash plan available?

NA

19. Is the vehicle wash water/wastewater collected?

NA

20. Are detergents biodegradable?

NA

Product Name: (See product label or MSDS)

21. Is there an active oil-water separator in use at this facility?

No

22. Does the tenant have manifests available to correspond with OWS service dates?

No

23. The OWS flows to:

Unknown

24. Is there evidence of soil erosion or excessive "muddy" water runoff at your facility?

No

Runoff Note:

25. Are there any structural BMPs on site?

No

BMP List:

26. Is there overall evidence of an obvious, non-stormwater discharge to the stormwater drains at this facility?

No

Discharge Note:

All drains inside of building are connected to the Sanitary sewer.

Other comments or concerns:



CLT - Tenant Inspection

No.
00047

Inspection Details

Facility Name:
AA IT Stock Dist.
Inspector Name:
Rick Talley

Inspection Date:
12/13/2023

Activities listed below are conducted at the airport and have potential to impact storm water.

Industrial Activities

Activity	Current:	Location:	Contracted:	Comments:
Aircraft Deicing	No			
Aircraft Fueling	No			
Aircraft Maintenance	No			
Aircraft Painting/ Stripping	No			
Aircraft Sanitary Service	No			
Aircraft Washing	No			
Cargo Handling	No			
Chemical Storage	No			
Equipment Degreasing/ Washing	No			
Equipment Maintenance	No			
Equipment Storage	No			
Fuel Storage	No			
Fire Equipment Testing/ Flushing	No			
Floor Washdown	No			
Manufacturing	No			
Outdoor Apron Washdown	No			
Pesticide/Herbicide Use	No			
Potable Water Flushing	No			
Runway Deicing	No			
Runway Rubber Removal	No			
Steam Cleaning	No			
Vehicle Fueling	No			
Vehicle Maintenance	No			
Vehicle Painting/ Stripping	No			
Vehicle Washing	No			
Water Tank Cleaning/ Washing	No			
Other	No			



CLT - Tenant Inspection

Any solid or liquid material used or stored at your facility could have the potential to impact storm water if handled, stored, or used improperly. An inventory of these types of materials is listed below.

Potential Pollutants

Pollutant	Present:	Management: (state storage or management practice)	Comments:
Antifreeze	No		
De-Icing Chemicals	No		
Fuel & Lubricants	No		
Herbicides/Pesticides	No		
Lavatory Waste	No		
Oil and Grease	No		
Paint	No		
Detergents or Washwater	No		
Firefighting Agents	No		
Solvent	No		
Used Batteries	No		
Laboratory Chemicals	No		
Perfumes/Dyes	No		
Liquid or Solid Corrosives	No		
Used Vehicle Parts	No		
Parts Cleaners	No		
Other Products	No		
Sediment	No		



Facility Details

Facility Name

AA Line Maintenance

Address or Area

5020 Hangar Rd

Facility Representative

Robin Bailey

Date(s) of Inspection

11-10-23

Representative Participation?

Yes

Contact Information (phone and/or email)

Questions

1. Locate the storm drain locations at this facility (quantity/location)

2. Drains are free of debris?

No

Debris Note:

Outside trench drain towards main hangar needs to be cleaned out. SE end of drain was full to the grate with sediment.

3. Are there visible signs of oil sheens leading to storm drains?

No

4. Is there evidence of spills of any kind to storm drains?

No

5. Has the tenant had any spills not previously reported to CLT?

No

Describe Unreported Previous Spill(s):

6. Are there hard pipe connections leading to the storm drains?

No

7. Are floor drains present inside the building?

Yes



CLT - Semi-annual Stormwater

No.
00064

8. Are any of the below products within 10 feet of a floor drain inside the building or near a grate drain outside the building?

a. Antifreeze

No

b. Batteries or Battery Acid

No

c. Pesticides

No

d. Fertilizers

No

e. Salt or Coal

No

f. Firefighting Foam

No

Does the tenant actively train with AFFF?

No

g. Garbage/Landfills

No

h. Oil Cans or Oil

Yes

i. Cleaning Agents

No

j. Degreasers

No

k. Sewerage Waste

No

l. Lavatory Chemicals

No

m. Paint/Paint Waste

No

n. De-Icing Fluid

No

9. Listed products (in question 8) should be stored in covered containers in an enclosed area

Yes

Product Storage Note:

Used oil drum on secondary containment, inside

10. Are large containers of liquids (over 660 gallons) present at this facility?

Yes

11. Containers over 660 gallons must be either;

Secondary Containment

12. Is there a secondary AST containment dike (or similar) present outside at this facility?

No

13. Does the dike contain a locking mechanism?

NA

14. Is the mechanism locked?

NA

15. Is there a log (available for review) of water released through the dike containing the date, time and quantity of release?

NA

16. Is there a refuse, scrap, recyclable or other-purposed dumpster in use at this facility?

No

Describe:

17. Are vehicles washed outside at the facility?



CLT - Semi-annual Stormwater

No.
00064

No

18. Does the tenant have a wash plan available?

NA

19. Is the vehicle wash water/wastewater collected?

NA

20. Are detergents biodegradable?

NA

Product Name: (See product label or MSDS)

21. Is there an active oil-water separator in use at this facility?

Yes

What is the cleanout frequency?

Annual

22. Does the tenant have manifests available to correspond with OWS service dates?

Yes

23. The OWS flows to:

Stormwater System

24. Is there evidence of soil erosion or excessive "muddy" water runoff at your facility?

No

Runoff Note:

25. Are there any structural BMPs on site?

No

BMP List:

26. Is there overall evidence of an obvious, non-stormwater discharge to the stormwater drains at this facility?

No

Discharge Note:

Other comments or concerns:



CLT - Tenant Inspection

No.
00024

Inspection Details

Facility Name:
AA Line Maintenance
Inspector Name:
Chris Alexander

Inspection Date:
11/10/2023

Activities listed below are conducted at the airport and have potential to impact storm water.

Industrial Activities

Activity	Current:	Location:	Contracted:	Comments:
Aircraft Deicing	No			
Aircraft Fueling	No			
Aircraft Maintenance	Yes	Inside	No	
Aircraft Painting/ Stripping	No			
Aircraft Sanitary Service	No			
Aircraft Washing	No			
Cargo Handling	No			
Chemical Storage	No			
Equipment Degreasing/ Washing	No			
Equipment Maintenance	Yes	Inside	No	
Equipment Storage	Yes	Inside	No	
Fuel Storage	No			
Fire Equipment Testing/ Flushing	No			
Floor Washdown	No			
Manufacturing	No			
Outdoor Apron Washdown	No			
Pesticide/Herbicide Use	No			
Potable Water Flushing	No			
Runway Deicing	No			
Runway Rubber Removal	No			
Steam Cleaning	No			
Vehicle Fueling	No			
Vehicle Maintenance	No			
Vehicle Painting/ Stripping	No			
Vehicle Washing	No			
Water Tank Cleaning/ Washing	No			
Other	No			



CLT - Tenant Inspection

Any solid or liquid material used or stored at your facility could have the potential to impact storm water if handled, stored, or used improperly. An inventory of these types of materials is listed below.

Potential Pollutants

Pollutant	Present:	Management: (state storage or management practice)	Comments:
Antifreeze	No		
De-Icing Chemicals	No		
Fuel & Lubricants	Yes	Off the shelf type products	
Herbicides/Pesticides	No		
Lavatory Waste	No		
Oil and Grease	Yes	Off the shelf type products. Used oil drums on secondary.	
Paint	Yes	Rattle cans	
Detergents or Washwater	No		
Firefighting Agents	No		
Solvent	Yes	Off the shelf type products	
Used Batteries	No		
Laboratory Chemicals	No		
Perfumes/Dyes	No		
Liquid or Solid Corrosives	No		
Used Vehicle Parts	No		
Parts Cleaners	Yes	Drumtop type	
Other Products	No		
Sediment	No		



Facility Details

Facility Name	Date(s) of Inspection
AA Ramp Area, Concourse A,B,C,&D	12/19/2023
Address or Area	Representative Participation?
5501 Josh Birmingham Parkway	Yes
Facility Representative	Contact Information (phone and/or email)
Robin Bailey	980-229-3382/ robin.a.bailey@aa.com

Questions

1. Locate the storm drain locations at this facility (quantity/location)

2. Drains are free of debris?

Yes

Debris Note:

3. Are there visible signs of oil sheens leading to storm drains?

No

4. Is there evidence of spills of any kind to storm drains?

No

5. Has the tenant had any spills not previously reported to CLT?

No

Describe Unreported Previous Spill(s):

6. Are there hard pipe connections leading to the storm drains?

No

7. Are floor drains present inside the building?

Yes



CLT - Semi-annual Stormwater

No.
00029

8. Are any of the below products within 10 feet of a floor drain inside the building or near a grate drain outside the building?

a. Antifreeze

No

b. Batteries or Battery Acid

No

c. Pesticides

No

d. Fertilizers

No

e. Salt or Coal

No

f. Firefighting Foam

No

Does the tenant actively train with AFFF?

No

g. Garbage/Landfills

No

h. Oil Cans or Oil

Yes

i. Cleaning Agents

No

j. Degreasers

No

k. Sewerage Waste

No

l. Lavatory Chemicals

No

m. Paint/Paint Waste

No

n. De-Icing Fluid

No

9. Listed products (in question 8) should be stored in covered containers in an enclosed area

Yes

Product Storage Note:

10. Are large containers of liquids (over 660 gallons) present at this facility?

No

11. Containers over 660 gallons must be either;

12. Is there a secondary AST containment dike (or similar) present outside at this facility?

No

13. Does the dike contain a locking mechanism?

NA

14. Is the mechanism locked?

NA

15. Is there a log (available for review) of water released through the dike containing the date, time and quantity of release?

NA

16. Is there a refuse, scrap, recyclable or other-purposed dumpster in use at this facility?

Yes

Describe:

There's several 8yrd compacts CLT maintained

17. Are vehicles washed outside at the facility?



CLT - Semi-annual Stormwater

No.
00029

No

18. Does the tenant have a wash plan available?

NA

19. Is the vehicle wash water/wastewater collected?

NA

20. Are detergents biodegradable?

NA

Product Name: (See product label or MSDS)

21. Is there an active oil-water separator in use at this facility?

No

22. Does the tenant have manifests available to correspond with OWS service dates?

No

23. The OWS flows to:

Unknown

24. Is there evidence of soil erosion or excessive "muddy" water runoff at your facility?

No

Runoff Note:

25. Are there any structural BMPs on site?

No

BMP List:

26. Is there overall evidence of an obvious, non-stormwater discharge to the stormwater drains at this facility?

No

Discharge Note:

Other comments or concerns:

There is several catch basins and some trench drains that all look good.



CLT - Tenant Inspection

No.
00062

Inspection Details

Facility Name:
AA Ramp area, Concourse A,B,C,&D
Inspector Name:
Rick Talley

Inspection Date:
12/19/2023

Activities listed below are conducted at the airport and have potential to impact storm water.

Industrial Activities

Activity	Current:	Location:	Contracted:	Comments:
Aircraft Deicing	Yes	Outside	Yes	IDS - Designated areas
Aircraft Fueling	Yes	Outside	Yes	Menzies
Aircraft Maintenance	Yes	Outside	No	
Aircraft Painting/ Stripping	No			
Aircraft Sanitary Service	Yes	Outside	Yes	
Aircraft Washing	No			
Cargo Handling	Yes	Both	Yes	
Chemical Storage	Yes	Inside	No	
Equipment Degreasing/ Washing	No			
Equipment Maintenance	No			
Equipment Storage	Yes	Both	No	
Fuel Storage	No			
Fire Equipment Testing/ Flushing	No			
Floor Washdown	No			
Manufacturing	No			
Outdoor Apron Washdown	No			
Pesticide/Herbicide Use	No			
Potable Water Flushing	No			
Runway Deicing	No			
Runway Rubber Removal	No			
Steam Cleaning	No			
Vehicle Fueling	No			
Vehicle Maintenance	No			
Vehicle Painting/ Stripping	No			
Vehicle Washing	No			
Water Tank Cleaning/ Washing	No			
Other	No			



CLT - Tenant Inspection

No.
00062

Any solid or liquid material used or stored at your facility could have the potential to impact storm water if handled, stored, or used improperly. An inventory of these types of materials is listed below.

Potential Pollutants

Pollutant	Present:	Management: (state storage or management practice)	Comments:
Antifreeze	No		
De-Icing Chemicals	No		
Fuel & Lubricants	No		
Herbicides/Pesticides	No		
Lavatory Waste	No		
Oil and Grease	Yes	Kept in an containment area	
Paint	No		
Detergents or Washwater	No		
Firefighting Agents	No		
Solvent	No		
Used Batteries	No		
Laboratory Chemicals	No		
Perfumes/Dyes	No		
Liquid or Solid Corrosives	No		
Used Vehicle Parts	No		
Parts Cleaners	Yes		Off shelf products
Other Products	No		
Sediment	No		



Facility Details

Facility Name

AA Stock Distribution-Stock Line

Address or Area

5000 Hangar Rd

Facility Representative

Robin Bailey

Date(s) of Inspection

11-10-23

Representative Participation?

Yes

Contact Information (phone and/or email)

Questions

1. Locate the storm drain locations at this facility (quantity/location)

2. Drains are free of debris?

Yes

Debris Note:

3. Are there visible signs of oil sheens leading to storm drains?

No

4. Is there evidence of spills of any kind to storm drains?

No

5. Has the tenant had any spills not previously reported to CLT?

No

Describe Unreported Previous Spill(s):

6. Are there hard pipe connections leading to the storm drains?

No

7. Are floor drains present inside the building?

Yes



CLT - Semi-annual Stormwater

No.
00065

8. Are any of the below products within 10 feet of a floor drain inside the building or near a grate drain outside the building?

a. Antifreeze

No

b. Batteries or Battery Acid

No

c. Pesticides

No

d. Fertilizers

No

e. Salt or Coal

No

f. Firefighting Foam

No

Does the tenant actively train with AFFF?

No

g. Garbage/Landfills

No

h. Oil Cans or Oil

No

i. Cleaning Agents

No

j. Degreasers

No

k. Sewerage Waste

No

l. Lavatory Chemicals

No

m. Paint/Paint Waste

No

n. De-Icing Fluid

No

9. Listed products (in question 8) should be stored in covered containers in an enclosed area

Product Storage Note:

10. Are large containers of liquids (over 660 gallons) present at this facility?

Yes

11. Containers over 660 gallons must be either;

Constructed of double-wall materials

12. Is there a secondary AST containment dike (or similar) present outside at this facility?

No

13. Does the dike contain a locking mechanism?

NA

14. Is the mechanism locked?

NA

15. Is there a log (available for review) of water released through the dike containing the date, time and quantity of release?

NA

16. Is there a refuse, scrap, recyclable or other-purposed dumpster in use at this facility?

Yes

Describe:

Lidded dumpster for general refuse

17. Are vehicles washed outside at the facility?



CLT - Semi-annual Stormwater

No.
00065

No

18. Does the tenant have a wash plan available?

NA

19. Is the vehicle wash water/wastewater collected?

NA

20. Are detergents biodegradable?

NA

Product Name: (See product label or MSDS)

21. Is there an active oil-water separator in use at this facility?

No

22. Does the tenant have manifests available to correspond with OWS service dates?

23. The OWS flows to:

24. Is there evidence of soil erosion or excessive "muddy" water runoff at your facility?

No

Runoff Note:

25. Are there any structural BMPs on site?

No

BMP List:

26. Is there overall evidence of an obvious, non-stormwater discharge to the stormwater drains at this facility?

No

Discharge Note:

Other comments or concerns:

4 totes of deicing/antiicing fluids stored outside along SE wall, not within 10 feet of drain

Six diesel ASTs inside for fire pumps

One diesel AST outside for backup generator



CLT - Tenant Inspection

No.
00025

Inspection Details

Facility Name:
AA Stock Distribution
Inspector Name:
Chris Alexander

Inspection Date:
11/10/2023

Activities listed below are conducted at the airport and have potential to impact storm water.

Industrial Activities

Activity	Current:	Location:	Contracted:	Comments:
Aircraft Deicing	No			
Aircraft Fueling	No			
Aircraft Maintenance	No			
Aircraft Painting/ Stripping	No			
Aircraft Sanitary Service	No			
Aircraft Washing	No			
Cargo Handling	No			
Chemical Storage	Yes	Outside	No	Deicing fluids in totes
Equipment Degreasing/ Washing	No			
Equipment Maintenance	No			
Equipment Storage	Yes	Both	No	
Fuel Storage	Yes	Both	No	Diesel fuel ASTs for fire pumps and backup generator
Fire Equipment Testing/ Flushing	No			
Floor Washdown	No			
Manufacturing	No			
Outdoor Apron Washdown	No			
Pesticide/Herbicide Use	No			
Potable Water Flushing	No			
Runway Deicing	No			
Runway Rubber Removal	No			
Steam Cleaning	No			
Vehicle Fueling	No			
Vehicle Maintenance	No			
Vehicle Painting/ Stripping	No			
Vehicle Washing	No			
Water Tank Cleaning/ Washing	No			



CLT - Tenant Inspection

No.
00025

Activity	Current:	Location:	Contracted:	Comments:
Other	No	Both	No	

Any solid or liquid material used or stored at your facility could have the potential to impact storm water if handled, stored, or used improperly. An inventory of these types of materials is listed below.

Potential Pollutants

Pollutant	Present:	Management: (state storage or management practice)	Comments:
Antifreeze	No		
De-Icing Chemicals	Yes	4 totes of deicing and antiicing fluids not on secondary	
Fuel & Lubricants	Yes	Off the shelf type products (7) diesel ASTs for 6 fire pumps and 1 backup generator	
Herbicides/Pesticides	No		
Lavatory Waste	No		
Oil and Grease	Yes	Off the shelf type products	
Paint	Yes	Rattle cans	
Detergents or Washwater	No		
Firefighting Agents	No		
Solvent	Yes	Off the shelf type products	
Used Batteries	No		
Laboratory Chemicals	No		
Perfumes/Dyes	No		
Liquid or Solid Corrosives	No		
Used Vehicle Parts	No		
Parts Cleaners	No		
Other Products	No		
Sediment	No		



CLT - Semi-annual Stormwater

No.
00011

Facility Details

Facility Name Amazon/ Trego Dugan	Date(s) of Inspection 12/12/2023
Address or Area 4100 Yorkmont Rd	Representative Participation? Yes
Facility Representative Shannon Wilson	Contact Information (phone and/or email) 704-747-3615 / Shannon.Wilson@trego-dugan.com

Questions

1. Locate the storm drain locations at this facility (quantity/location)

2. Drains are free of debris?

Yes

Debris Note:

3. Are there visible signs of oil sheens leading to storm drains?

No

4. Is there evidence of spills of any kind to storm drains?

No

5. Has the tenant had any spills not previously reported to CLT?

No

Describe Unreported Previous Spill(s):

6. Are there hard pipe connections leading to the storm drains?

No

7. Are floor drains present inside the building?

No



CLT - Semi-annual Stormwater

No.
00011

8. Are any of the below products within 10 feet of a floor drain inside the building or near a grate drain outside the building?

a. Antifreeze

No

b. Batteries or Battery Acid

No

c. Pesticides

No

d. Fertilizers

No

e. Salt or Coal

No

f. Firefighting Foam

No

Does the tenant actively train with AFFF?

No

g. Garbage/Landfills

No

h. Oil Cans or Oil

No

i. Cleaning Agents

No

j. Degreasers

No

k. Sewerage Waste

No

l. Lavatory Chemicals

No

m. Paint/Paint Waste

No

n. De-Icing Fluid

No

9. Listed products (in question 8) should be stored in covered containers in an enclosed area

Yes

Product Storage Note:

10. Are large containers of liquids (over 660 gallons) present at this facility?

No

11. Containers over 660 gallons must be either;

12. Is there a secondary AST containment dike (or similar) present outside at this facility?

No

13. Does the dike contain a locking mechanism?

NA

14. Is the mechanism locked?

NA

15. Is there a log (available for review) of water released through the dike containing the date, time and quantity of release?

NA

16. Is there a refuse, scrap, recyclable or other-purposed dumpster in use at this facility?

Yes

Describe:

1 30yd household compactor, 1 30yd recycling compactor

17. Are vehicles washed outside at the facility?



CLT - Semi-annual Stormwater

No.
00011

No

18. Does the tenant have a wash plan available?

NA

19. Is the vehicle wash water/wastewater collected?

NA

20. Are detergents biodegradable?

NA

Product Name: (See product label or MSDS)

21. Is there an active oil-water separator in use at this facility?

No

22. Does the tenant have manifests available to correspond with OWS service dates?

No

23. The OWS flows to:

Unknown

24. Is there evidence of soil erosion or excessive "muddy" water runoff at your facility?

No

Runoff Note:

Everything seems to working as intended.

25. Are there any structural BMPs on site?

Yes

BMP List:

There's 2 Curb Inlets, in the parking lot, 1 Drop inlet in the grass area , and 1 Trench Drain in the loading dock area.

26. Is there overall evidence of an obvious, non-stormwater discharge to the stormwater drains at this facility?

No

Discharge Note:

Other comments or concerns:



CLT - Tenant Inspection

No.
00046

Inspection Details

Facility Name:
Amazon/ Trego Dugan
Inspector Name:
Rick Talley

Inspection Date:
12/12/2023

Activities listed below are conducted at the airport and have potential to impact storm water.

Industrial Activities

Activity	Current:	Location:	Contracted:	Comments:
Aircraft Deicing	No			
Aircraft Fueling	No			
Aircraft Maintenance	No	Outside Covered	No	
Aircraft Painting/ Stripping	No			
Aircraft Sanitary Service	No			
Aircraft Washing	No			
Cargo Handling	No	Outside Covered	No	
Chemical Storage	No			
Equipment Degreasing/ Washing	No			
Equipment Maintenance	Yes	Inside	No	
Equipment Storage	No			
Fuel Storage	Yes	Outside Covered	No	8 propane tanks
Fire Equipment Testing/ Flushing	No			
Floor Washdown	No			
Manufacturing	No			
Outdoor Apron Washdown	No			
Pesticide/Herbicide Use	No			
Potable Water Flushing	No			
Runway Deicing	No			
Runway Rubber Removal	No			
Steam Cleaning	No			
Vehicle Fueling	No			
Vehicle Maintenance	No			
Vehicle Painting/ Stripping	No			
Vehicle Washing	No			
Water Tank Cleaning/ Washing	No			
Other	No			



CLT - Tenant Inspection

Any solid or liquid material used or stored at your facility could have the potential to impact storm water if handled, stored, or used improperly. An inventory of these types of materials is listed below.

Potential Pollutants

Pollutant	Present:	Management: (state storage or management practice)	Comments:
Antifreeze	No		
De-Icing Chemicals	No		
Fuel & Lubricants	No		
Herbicides/Pesticides	No		
Lavatory Waste	No		
Oil and Grease	Yes	Stored in an Containment area	
Paint	No		
Detergents or Washwater	No		
Firefighting Agents	No		
Solvent	No		
Used Batteries	No		
Laboratory Chemicals	No		
Perfumes/Dyes	No		
Liquid or Solid Corrosives	No		
Used Vehicle Parts	No		
Parts Cleaners	No		
Other Products	No		
Sediment	No		



Facility Details

Facility Name	Date(s) of Inspection
BESCO Electrical	12/18/2023
Address or Area	Representative Participation?
4800-B West Blvd, Charlotte	Yes
Facility Representative	Contact Information (phone and/or email)
James Fike	704-439-6844/ j.fike@bescoelectrical.com

Questions

1. Locate the storm drain locations at this facility (quantity/location)

2. Drains are free of debris?

Yes

Debris Note:

3. Are there visible signs of oil sheens leading to storm drains?

No

4. Is there evidence of spills of any kind to storm drains?

No

5. Has the tenant had any spills not previously reported to CLT?

No

Describe Unreported Previous Spill(s):

6. Are there hard pipe connections leading to the storm drains?

No

7. Are floor drains present inside the building?

No



CLT - Semi-annual Stormwater

No.
00024

8. Are any of the below products within 10 feet of a floor drain inside the building or near a grate drain outside the building?

a. Antifreeze

No

b. Batteries or Battery Acid

No

c. Pesticides

No

d. Fertilizers

No

e. Salt or Coal

No

f. Firefighting Foam

No

Does the tenant actively train with AFFF?

No

g. Garbage/Landfills

No

h. Oil Cans or Oil

No

i. Cleaning Agents

No

j. Degreasers

No

k. Sewerage Waste

No

l. Lavatory Chemicals

No

m. Paint/Paint Waste

No

n. De-Icing Fluid

No

9. Listed products (in question 8) should be stored in covered containers in an enclosed area

Yes

Product Storage Note:

10. Are large containers of liquids (over 660 gallons) present at this facility?

No

11. Containers over 660 gallons must be either;

12. Is there a secondary AST containment dike (or similar) present outside at this facility?

No

13. Does the dike contain a locking mechanism?

NA

14. Is the mechanism locked?

NA

15. Is there a log (available for review) of water released through the dike containing the date, time and quantity of release?

NA

16. Is there a refuse, scrap, recyclable or other-purposed dumpster in use at this facility?

Yes

Describe:

One 30yrd rolloff household dumpster

17. Are vehicles washed outside at the facility?



CLT - Semi-annual Stormwater

No.
00024

Yes

18. Does the tenant have a wash plan available?

Yes

19. Is the vehicle wash water/wastewater collected?

No

20. Are detergents biodegradable?

Yes

Product Name: (See product label or MSDS)

21. Is there an active oil-water separator in use at this facility?

No

22. Does the tenant have manifests available to correspond with OWS service dates?

No

23. The OWS flows to:

Unknown

24. Is there evidence of soil erosion or excessive "muddy" water runoff at your facility?

No

Runoff Note:

25. Are there any structural BMPs on site?

No

BMP List:

26. Is there overall evidence of an obvious, non-stormwater discharge to the stormwater drains at this facility?

No

Discharge Note:

Other comments or concerns:

There's two drop inlets in the back of building,

Overall the site looks good.



CLT - Tenant Inspection

No.
00057

Inspection Details

Facility Name:
BESCO Electrical
Inspector Name:
Rick Talley

Inspection Date:
12/18/2023

Activities listed below are conducted at the airport and have potential to impact storm water.

Industrial Activities

Activity	Current:	Location:	Contracted:	Comments:
Aircraft Deicing	No			
Aircraft Fueling	No			
Aircraft Maintenance	No			
Aircraft Painting/ Stripping	No			
Aircraft Sanitary Service	No			
Aircraft Washing	No			
Cargo Handling	No			
Chemical Storage	No			
Equipment Degreasing/ Washing	No			
Equipment Maintenance	No			
Equipment Storage	No			
Fuel Storage	No			
Fire Equipment Testing/ Flushing	No			
Floor Washdown	No			
Manufacturing	No			
Outdoor Apron Washdown	No			
Pesticide/Herbicide Use	No			
Potable Water Flushing	No			
Runway Deicing	No			
Runway Rubber Removal	No			
Steam Cleaning	No			
Vehicle Fueling	No			
Vehicle Maintenance	No			
Vehicle Painting/ Stripping	No			
Vehicle Washing	No			
Water Tank Cleaning/ Washing	No			
Other	No			



CLT - Tenant Inspection

Any solid or liquid material used or stored at your facility could have the potential to impact storm water if handled, stored, or used improperly. An inventory of these types of materials is listed below.

Potential Pollutants

Pollutant	Present:	Management: (state storage or management practice)	Comments:
Antifreeze	No		
De-Icing Chemicals	No		
Fuel & Lubricants	No		
Herbicides/Pesticides	No		
Lavatory Waste	No		
Oil and Grease	No		
Paint	No		
Detergents or Washwater	No		
Firefighting Agents	No		
Solvent	No		
Used Batteries	No		
Laboratory Chemicals	No		
Perfumes/Dyes	No		
Liquid or Solid Corrosives	No		
Used Vehicle Parts	No		
Parts Cleaners	No		
Other Products	No		
Sediment	No		



CLT - Semi-annual Stormwater

No.
00031

Facility Details

Facility Name	Date(s) of Inspection
Budd Group	12/20/2023
Address or Area	Representative Participation?
3140-G Piper Lane	Yes
Facility Representative	Contact Information (phone and/or email)
Andy McMurry	704-477-2921/ amcmurry@buddgroup.com

Questions

1. Locate the storm drain locations at this facility (quantity/location)

2. Drains are free of debris?

Yes

Debris Note:

3. Are there visible signs of oil sheens leading to storm drains?

No

4. Is there evidence of spills of any kind to storm drains?

No

5. Has the tenant had any spills not previously reported to CLT?

No

Describe Unreported Previous Spill(s):

6. Are there hard pipe connections leading to the storm drains?

No

7. Are floor drains present inside the building?

No



CLT - Semi-annual Stormwater

No.
00031

8. Are any of the below products within 10 feet of a floor drain inside the building or near a grate drain outside the building?

a. Antifreeze

No

b. Batteries or Battery Acid

No

c. Pesticides

No

d. Fertilizers

No

e. Salt or Coal

No

f. Firefighting Foam

No

Does the tenant actively train with AFFF?

No

g. Garbage/Landfills

No

h. Oil Cans or Oil

No

i. Cleaning Agents

No

j. Degreasers

No

k. Sewerage Waste

No

l. Lavatory Chemicals

No

m. Paint/Paint Waste

No

n. De-Icing Fluid

No

9. Listed products (in question 8) should be stored in covered containers in an enclosed area

Yes

Product Storage Note:

10. Are large containers of liquids (over 660 gallons) present at this facility?

No

11. Containers over 660 gallons must be either;

12. Is there a secondary AST containment dike (or similar) present outside at this facility?

No

13. Does the dike contain a locking mechanism?

NA

14. Is the mechanism locked?

NA

15. Is there a log (available for review) of water released through the dike containing the date, time and quantity of release?

NA

16. Is there a refuse, scrap, recyclable or other-purposed dumpster in use at this facility?

Yes

Describe:

One 30yrd household rolloff dumpster

17. Are vehicles washed outside at the facility?



CLT - Semi-annual Stormwater

No.
00031

No

18. Does the tenant have a wash plan available?

NA

19. Is the vehicle wash water/wastewater collected?

NA

20. Are detergents biodegradable?

NA

Product Name: (See product label or MSDS)

21. Is there an active oil-water separator in use at this facility?

No

22. Does the tenant have manifests available to correspond with OWS service dates?

No

23. The OWS flows to:

Unknown

24. Is there evidence of soil erosion or excessive "muddy" water runoff at your facility?

No

Runoff Note:

25. Are there any structural BMPs on site?

No

BMP List:

26. Is there overall evidence of an obvious, non-stormwater discharge to the stormwater drains at this facility?

No

Discharge Note:

Other comments or concerns:

Site looks good



CLT - Tenant Inspection

No.
00064

Inspection Details

Facility Name:

Budd Group

Inspector Name:

Rick Talley

Inspection Date:

12/20/2023

Activities listed below are conducted at the airport and have potential to impact storm water.

Industrial Activities

Activity	Current:	Location:	Contracted:	Comments:
Aircraft Deicing	No			
Aircraft Fueling	No			
Aircraft Maintenance	No			
Aircraft Painting/ Stripping	No			
Aircraft Sanitary Service	No			
Aircraft Washing	No			
Cargo Handling	No			
Chemical Storage	No			
Equipment Degreasing/ Washing	No			
Equipment Maintenance	No			
Equipment Storage	No			
Fuel Storage	No			
Fire Equipment Testing/ Flushing	No			
Floor Washdown	No			
Manufacturing	No			
Outdoor Apron Washdown	No			
Pesticide/Herbicide Use	No			
Potable Water Flushing	No			
Runway Deicing	No			
Runway Rubber Removal	No			
Steam Cleaning	No			
Vehicle Fueling	No			
Vehicle Maintenance	No			
Vehicle Painting/ Stripping	No			
Vehicle Washing	No			
Water Tank Cleaning/ Washing	No			
Other	No			



CLT - Tenant Inspection

Any solid or liquid material used or stored at your facility could have the potential to impact storm water if handled, stored, or used improperly. An inventory of these types of materials is listed below.

Potential Pollutants

Pollutant	Present:	Management: (state storage or management practice)	Comments:
Antifreeze	No		
De-Icing Chemicals	No		
Fuel & Lubricants	No		
Herbicides/Pesticides	No		
Lavatory Waste	No		
Oil and Grease	No		
Paint	No		
Detergents or Washwater	No		
Firefighting Agents	No		
Solvent	No		
Used Batteries	No		
Laboratory Chemicals	No		
Perfumes/Dyes	No		
Liquid or Solid Corrosives	No		
Used Vehicle Parts	No		
Parts Cleaners	No		
Other Products	No		
Sediment	No		



Facility Details

Facility Name

CLT Center, CLT Ops

Address or Area

5601 Wilkinson Blvd

Facility Representative

Josh Eller

Date(s) of Inspection

11-30-23

Representative Participation?

Yes

Contact Information (phone and/or email)

joshua.eller@cltairport.com

Questions

1. Locate the storm drain locations at this facility (quantity/location)

2. Drains are free of debris?

Yes

Debris Note:

3. Are there visible signs of oil sheens leading to storm drains?

No

4. Is there evidence of spills of any kind to storm drains?

No

5. Has the tenant had any spills not previously reported to CLT?

No

Describe Unreported Previous Spill(s):

6. Are there hard pipe connections leading to the storm drains?

No

7. Are floor drains present inside the building?

No



CLT - Semi-annual Stormwater

No.
00044

8. Are any of the below products within 10 feet of a floor drain inside the building or near a grate drain outside the building?

a. Antifreeze

No

b. Batteries or Battery Acid

No

c. Pesticides

No

d. Fertilizers

No

e. Salt or Coal

No

f. Firefighting Foam

No

Does the tenant actively train with AFFF?

No

g. Garbage/Landfills

No

h. Oil Cans or Oil

No

i. Cleaning Agents

No

j. Degreasers

No

k. Sewerage Waste

No

l. Lavatory Chemicals

No

m. Paint/Paint Waste

No

n. De-Icing Fluid

No

9. Listed products (in question 8) should be stored in covered containers in an enclosed area

Yes

Product Storage Note:

10. Are large containers of liquids (over 660 gallons) present at this facility?

Yes

11. Containers over 660 gallons must be either;

Constructed of double-wall materials

12. Is there a secondary AST containment dike (or similar) present outside at this facility?

Yes

13. Does the dike contain a locking mechanism?

Yes

14. Is the mechanism locked?

Yes

15. Is there a log (available for review) of water released through the dike containing the date, time and quantity of release?

Yes

16. Is there a refuse, scrap, recyclable or other-purposed dumpster in use at this facility?

No

Describe:

17. Are vehicles washed outside at the facility?



CLT - Semi-annual Stormwater

No.
00044

No

18. Does the tenant have a wash plan available?

Yes

19. Is the vehicle wash water/wastewater collected?

Yes

20. Are detergents biodegradable?

Yes

Product Name: (See product label or MSDS)

21. Is there an active oil-water separator in use at this facility?

Yes

What is the cleanout frequency?

Annual

22. Does the tenant have manifests available to correspond with OWS service dates?

Yes

23. The OWS flows to:

Unknown

24. Is there evidence of soil erosion or excessive "muddy" water runoff at your facility?

No

Runoff Note:

25. Are there any structural BMPs on site?

No

BMP List:

26. Is there overall evidence of an obvious, non-stormwater discharge to the stormwater drains at this facility?

No

Discharge Note:

Other comments or concerns:



CLT - Tenant Inspection

No.
00020

Inspection Details

Facility Name:
CLT Center, CLT Ops
Inspector Name:
Chris Alexander

Inspection Date:
11/30/2023

Activities listed below are conducted at the airport and have potential to impact storm water.

Industrial Activities

Activity	Current:	Location:	Contracted:	Comments:
Aircraft Deicing	No			
Aircraft Fueling	No			
Aircraft Maintenance	No			
Aircraft Painting/ Stripping	No			
Aircraft Sanitary Service	No			
Aircraft Washing	No			
Cargo Handling	No			
Chemical Storage	No			
Equipment Degreasing/ Washing	Yes	Outside Covered	No	
Equipment Maintenance	Yes	Inside	No	
Equipment Storage	Yes	Both	No	
Fuel Storage	Yes	Outside	No	
Fire Equipment Testing/ Flushing	No			
Floor Washdown	Yes	Outside	No	
Manufacturing	No			
Outdoor Apron Washdown	No			
Pesticide/Herbicide Use	No			
Potable Water Flushing	No			
Runway Deicing	No			
Runway Rubber Removal	No			
Steam Cleaning	No			
Vehicle Fueling	Yes	Outside	No	
Vehicle Maintenance	No			
Vehicle Painting/ Stripping	No			
Vehicle Washing	Yes	Outside Covered	No	
Water Tank Cleaning/ Washing	No			
Other	No			



CLT - Tenant Inspection

Any solid or liquid material used or stored at your facility could have the potential to impact storm water if handled, stored, or used improperly. An inventory of these types of materials is listed below.

Potential Pollutants

Pollutant	Present:	Management: (state storage or management practice)	Comments:
Antifreeze	No		
De-Icing Chemicals	No		
Fuel & Lubricants	Yes	(2) 6k diesel (1) 6k gas With secondaries	
Herbicides/Pesticides	No		
Lavatory Waste	No		
Oil and Grease	Yes	Off the shelf type products for basic maintenance	
Paint	Yes	Rattle cans	
Detergents or Washwater	Yes	Dedicated wash building with own OWS	
Firefighting Agents	No		
Solvent	Yes	Off the shelf type products for basic maintenance	
Used Batteries	No		
Laboratory Chemicals	No		
Perfumes/Dyes	No		
Liquid or Solid Corrosives	No		
Used Vehicle Parts	No		
Parts Cleaners	No		
Other Products	No		
Sediment	No		



CLT - Semi-annual Stormwater

No.
00042

Facility Details

Facility Name

CLT Field Maintenance, CLT Ops

Address or Area

3628 B Yorkmont Rd

Facility Representative

Josh Eller

Date(s) of Inspection

11-30-23

Representative Participation?

Yes

Contact Information (phone and/or email)

joshua.eller@cltairport.com

Questions

1. Locate the storm drain locations at this facility (quantity/location)

2. Drains are free of debris?

Yes

Debris Note:

3. Are there visible signs of oil sheens leading to storm drains?

No

4. Is there evidence of spills of any kind to storm drains?

No

5. Has the tenant had any spills not previously reported to CLT?

No

Describe Unreported Previous Spill(s):

6. Are there hard pipe connections leading to the storm drains?

No

7. Are floor drains present inside the building?

No



CLT - Semi-annual Stormwater

No.
00042

8. Are any of the below products within 10 feet of a floor drain inside the building or near a grate drain outside the building?

a. Antifreeze

No

b. Batteries or Battery Acid

No

c. Pesticides

No

d. Fertilizers

No

e. Salt or Coal

No

f. Firefighting Foam

No

Does the tenant actively train with AFFF?

No

g. Garbage/Landfills

No

h. Oil Cans or Oil

No

i. Cleaning Agents

No

j. Degreasers

No

k. Sewerage Waste

No

l. Lavatory Chemicals

No

m. Paint/Paint Waste

Yes

n. De-Icing Fluid

No

9. Listed products (in question 8) should be stored in covered containers in an enclosed area

Yes

Product Storage Note:

10. Are large containers of liquids (over 660 gallons) present at this facility?

No

11. Containers over 660 gallons must be either;

12. Is there a secondary AST containment dike (or similar) present outside at this facility?

Yes

13. Does the dike contain a locking mechanism?

Yes

14. Is the mechanism locked?

Yes

15. Is there a log (available for review) of water released through the dike containing the date, time and quantity of release?

No

16. Is there a refuse, scrap, recyclable or other-purposed dumpster in use at this facility?

Yes

Describe:

1 roll off and one lidded 8yd dumpster for household waste

17. Are vehicles washed outside at the facility?



CLT - Semi-annual Stormwater

No.
00042

No

18. Does the tenant have a wash plan available?

NA

19. Is the vehicle wash water/wastewater collected?

NA

20. Are detergents biodegradable?

NA

Product Name: (See product label or MSDS)

21. Is there an active oil-water separator in use at this facility?

No

22. Does the tenant have manifests available to correspond with OWS service dates?

No

23. The OWS flows to:

Unknown

24. Is there evidence of soil erosion or excessive "muddy" water runoff at your facility?

No

Runoff Note:

25. Are there any structural BMPs on site?

Yes

BMP List:

Detention pond acts as secondary containment, has locked gate valve, and empties to coffee creek

26. Is there overall evidence of an obvious, non-stormwater discharge to the stormwater drains at this facility?

No

Discharge Note:

Other comments or concerns:



CLT - Tenant Inspection

No.
00017

Inspection Details

Facility Name:
CLT Field Maintenance, CLT Ops
Inspector Name:
Chris Alexander

Inspection Date:
11/30/2023

Activities listed below are conducted at the airport and have potential to impact storm water.

Industrial Activities

Activity	Current:	Location:	Contracted:	Comments:
Aircraft Deicing	No			
Aircraft Fueling	No			
Aircraft Maintenance	No			
Aircraft Painting/ Stripping	No			
Aircraft Sanitary Service	No			
Aircraft Washing	No			
Cargo Handling	No			
Chemical Storage	Yes	Inside	No	Water based paints
Equipment Degreasing/ Washing	No			
Equipment Maintenance	No			
Equipment Storage	Yes	Both	No	
Fuel Storage	No			
Fire Equipment Testing/ Flushing	No			
Floor Washdown	Yes	Inside	No	
Manufacturing	No			
Outdoor Apron Washdown	No			
Pesticide/Herbicide Use	No			
Potable Water Flushing	No			
Runway Deicing	No	Outside	No	Equipment present,
Runway Rubber Removal	No	Both	No	activity takes place elsewhere.
Steam Cleaning	No			
Vehicle Fueling	No			
Vehicle Maintenance	No			
Vehicle Painting/ Stripping	No			
Vehicle Washing	No			
Water Tank Cleaning/ Washing	Yes	Inside	No	
Other	No			



CLT - Tenant Inspection

Any solid or liquid material used or stored at your facility could have the potential to impact storm water if handled, stored, or used improperly. An inventory of these types of materials is listed below.

Potential Pollutants

Pollutant	Present:	Management: (state storage or management practice)	Comments:
Antifreeze	No		
De-Icing Chemicals	No		
Fuel & Lubricants	Yes	Off the shelf type products for basic maintenance	
Herbicides/Pesticides	No		
Lavatory Waste	No		
Oil and Grease	Yes	Off the shelf type products for basic maintenance	
Paint	Yes	Stored in drums indoors, empties stored outside	
Detergents or Washwater	Yes		
Firefighting Agents	No		
Solvent	Yes	Off the shelf type products for basic maintenance	
Used Batteries	No		
Laboratory Chemicals	No		
Perfumes/Dyes	No		
Liquid or Solid Corrosives	No		
Used Vehicle Parts	No		
Parts Cleaners	No		
Other Products	No		
Sediment	No		



CLT - Semi-annual Stormwater

No.
00043

Facility Details

Facility Name

CLT Fleet Maintenance, CLT Ops

Address or Area

3701 Harlee Ave

Facility Representative

Josh Eller

Date(s) of Inspection

11-30-23

Representative Participation?

Yes

Contact Information (phone and/or email)

joshua.eller@cltairport.com

Questions

1. Locate the storm drain locations at this facility (quantity/location)

2. Drains are free of debris?

Yes

Debris Note:

3. Are there visible signs of oil sheens leading to storm drains?

No

4. Is there evidence of spills of any kind to storm drains?

No

5. Has the tenant had any spills not previously reported to CLT?

No

Describe Unreported Previous Spill(s):

6. Are there hard pipe connections leading to the storm drains?

No

7. Are floor drains present inside the building?

Yes



CLT - Semi-annual Stormwater

No.
00043

8. Are any of the below products within 10 feet of a floor drain inside the building or near a grate drain outside the building?

a. Antifreeze

No

b. Batteries or Battery Acid

No

c. Pesticides

No

d. Fertilizers

No

e. Salt or Coal

No

f. Firefighting Foam

No

Does the tenant actively train with AFFF?

No

g. Garbage/Landfills

No

h. Oil Cans or Oil

No

i. Cleaning Agents

No

j. Degreasers

No

k. Sewerage Waste

No

l. Lavatory Chemicals

No

m. Paint/Paint Waste

No

n. De-Icing Fluid

No

9. Listed products (in question 8) should be stored in covered containers in an enclosed area

Yes

Product Storage Note:

10. Are large containers of liquids (over 660 gallons) present at this facility?

No

11. Containers over 660 gallons must be either;

12. Is there a secondary AST containment dike (or similar) present outside at this facility?

No

13. Does the dike contain a locking mechanism?

NA

14. Is the mechanism locked?

NA

15. Is there a log (available for review) of water released through the dike containing the date, time and quantity of release?

NA

16. Is there a refuse, scrap, recyclable or other-purposed dumpster in use at this facility?

Yes

Describe:

Lidded dumpster

17. Are vehicles washed outside at the facility?



CLT - Semi-annual Stormwater

No.
00043

No

18. Does the tenant have a wash plan available?

NA

19. Is the vehicle wash water/wastewater collected?

NA

20. Are detergents biodegradable?

NA

Product Name: (See product label or MSDS)

21. Is there an active oil-water separator in use at this facility?

Yes

What is the cleanout frequency?

Bi annual

22. Does the tenant have manifests available to correspond with OWS service dates?

Yes

23. The OWS flows to:

Stormwater System

24. Is there evidence of soil erosion or excessive "muddy" water runoff at your facility?

No

Runoff Note:

25. Are there any structural BMPs on site?

No

BMP List:

26. Is there overall evidence of an obvious, non-stormwater discharge to the stormwater drains at this facility?

No

Discharge Note:

Other comments or concerns:



CLT - Tenant Inspection

No.
00018

Inspection Details

Facility Name:
CLT Fleet Maintenance
Inspector Name:
Chris Alexander

Inspection Date:
11/30/2023

Activities listed below are conducted at the airport and have potential to impact storm water.

Industrial Activities

Activity	Current:	Location:	Contracted:	Comments:
Aircraft Deicing	No			
Aircraft Fueling	No			
Aircraft Maintenance	No			
Aircraft Painting/ Stripping	No			
Aircraft Sanitary Service	No			
Aircraft Washing	No			
Cargo Handling	No			
Chemical Storage	Yes	Inside	No	
Equipment Degreasing/ Washing	No			
Equipment Maintenance	Yes	Inside	No	
Equipment Storage	Yes	Both	No	
Fuel Storage	No			
Fire Equipment Testing/ Flushing	No			
Floor Washdown	Yes	Inside	No	
Manufacturing	No			
Outdoor Apron Washdown	No			
Pesticide/Herbicide Use	No			
Potable Water Flushing	No			
Runway Deicing	No			
Runway Rubber Removal	No			
Steam Cleaning	No			
Vehicle Fueling	No			
Vehicle Maintenance	Yes	Inside	No	
Vehicle Painting/ Stripping	No			
Vehicle Washing	No			
Water Tank Cleaning/ Washing	No			
Other	No			



CLT - Tenant Inspection

No.
00018

Any solid or liquid material used or stored at your facility could have the potential to impact storm water if handled, stored, or used improperly. An inventory of these types of materials is listed below.

Potential Pollutants

Pollutant	Present:	Management: (state storage or management practice)	Comments:
Antifreeze	Yes	Off the shelf type products	
De-Icing Chemicals	No		
Fuel & Lubricants	Yes	(8) 250-gal double walled ASTs for various oils Tote of DEF	
Herbicides/Pesticides	No		
Lavatory Waste	No		
Oil and Grease	Yes	Off the shelf type products and a couple of 35-gal grease drums	
Paint	Yes	Rattle cans	
Detergents or Washwater	No		
Firefighting Agents	No		
Solvent	Yes	Off the shelf type products	
Used Batteries	Yes	Used batteries are only kept until they can be turned in asap	
Laboratory Chemicals	No		
Perfumes/Dyes	No		
Liquid or Solid Corrosives	No		
Used Vehicle Parts	Yes	Used parts are only kept until they can be turned in	
Parts Cleaners	No		
Other Products	No		
Sediment	No		



Facility Details

Facility Name

CLT Midfield, CLT Ops

Address or Area

5501 Josh Birmingham Pkwy

Facility Representative

Josh Eller

Date(s) of Inspection

11-30-23

Representative Participation?

Yes

Contact Information (phone and/or email)

joshua.eller@cltairport.com

Questions

1. Locate the storm drain locations at this facility (quantity/location)

2. Drains are free of debris?

Yes

Debris Note:

3. Are there visible signs of oil sheens leading to storm drains?

No

4. Is there evidence of spills of any kind to storm drains?

No

5. Has the tenant had any spills not previously reported to CLT?

No

Describe Unreported Previous Spill(s):

6. Are there hard pipe connections leading to the storm drains?

No

7. Are floor drains present inside the building?

No



CLT - Semi-annual Stormwater

No.
00040

8. Are any of the below products within 10 feet of a floor drain inside the building or near a grate drain outside the building?

a. Antifreeze

No

b. Batteries or Battery Acid

No

c. Pesticides

No

d. Fertilizers

No

e. Salt or Coal

No

f. Firefighting Foam

No

Does the tenant actively train with AFFF?

No

g. Garbage/Landfills

No

h. Oil Cans or Oil

No

i. Cleaning Agents

No

j. Degreasers

No

k. Sewerage Waste

No

l. Lavatory Chemicals

No

m. Paint/Paint Waste

No

n. De-Icing Fluid

No

9. Listed products (in question 8) should be stored in covered containers in an enclosed area

Product Storage Note:

10. Are large containers of liquids (over 660 gallons) present at this facility?

Yes

11. Containers over 660 gallons must be either;

Stored within a secondary containment structure

12. Is there a secondary AST containment dike (or similar) present outside at this facility?

Yes

13. Does the dike contain a locking mechanism?

Yes

14. Is the mechanism locked?

Yes

15. Is there a log (available for review) of water released through the dike containing the date, time and quantity of release?

Yes

16. Is there a refuse, scrap, recyclable or other-purposed dumpster in use at this facility?

Yes

Describe:

2 roll offs for household waste and 1 roll off for wood

17. Are vehicles washed outside at the facility?



CLT - Semi-annual Stormwater

No.
00040

No

18. Does the tenant have a wash plan available?

NA

19. Is the vehicle wash water/wastewater collected?

NA

20. Are detergents biodegradable?

NA

Product Name: (See product label or MSDS)

21. Is there an active oil-water separator in use at this facility?

Yes

What is the cleanout frequency?

Bi Annual

22. Does the tenant have manifests available to correspond with OWS service dates?

Yes

23. The OWS flows to:

Stormwater System

24. Is there evidence of soil erosion or excessive "muddy" water runoff at your facility?

No

Runoff Note:

25. Are there any structural BMPs on site?

No

BMP List:

26. Is there overall evidence of an obvious, non-stormwater discharge to the stormwater drains at this facility?

No

Discharge Note:

Other comments or concerns:



CLT - Tenant Inspection

No.
00015

Inspection Details

Facility Name:

CLT Midfield

Inspection Date:

11/30/2023

Inspector Name:

Chris Alexander

Activities listed below are conducted at the airport and have potential to impact storm water.

Industrial Activities

Activity	Current:	Location:	Contracted:	Comments:
Aircraft Deicing	No			
Aircraft Fueling	No			
Aircraft Maintenance	No			
Aircraft Painting/ Stripping	No			
Aircraft Sanitary Service	No			
Aircraft Washing	No			
Cargo Handling	No			
Chemical Storage	No			
Equipment Degreasing/ Washing	No			
Equipment Maintenance	No			
Equipment Storage	Yes	Outside	Yes	Spill Cart, also was a spill cart at T-Point
Fuel Storage	Yes	Outside	Yes	
Fire Equipment Testing/ Flushing	No			
Floor Washdown	No			
Manufacturing	No			
Outdoor Apron Washdown	No			
Pesticide/Herbicide Use	No			
Potable Water Flushing	No			
Runway Deicing	No			
Runway Rubber Removal	No			
Steam Cleaning	No			
Vehicle Fueling	Yes	Outside	Yes	
Vehicle Maintenance	No			
Vehicle Painting/ Stripping	No			
Vehicle Washing	No			
Water Tank Cleaning/ Washing	No			



CLT - Tenant Inspection

Activity	Current:	Location:	Contracted:	Comments:
Other	No			

Any solid or liquid material used or stored at your facility could have the potential to impact storm water if handled, stored, or used improperly. An inventory of these types of materials is listed below.

Potential Pollutants

Pollutant	Present:	Management: (state storage or management practice)	Comments:
Antifreeze	No		
De-Icing Chemicals	No		
Fuel & Lubricants	Yes	Secondary containments 12k diesel 12k gas	
Herbicides/Pesticides	No		
Lavatory Waste	No		
Oil and Grease	No		
Paint	No		
Detergents or Washwater	No		
Firefighting Agents	Yes	Portable units	
Solvent	No		
Used Batteries	No		
Laboratory Chemicals	No		
Perfumes/Dyes	No		
Liquid or Solid Corrosives	No		
Used Vehicle Parts	No		
Parts Cleaners	No		
Other Products	No		
Sediment	No		



Facility Details

Facility Name

CLT T-Point, CLT Ops

Address or Area

5501 Josh Birmingham Pkwy

Facility Representative

Josh Eller

Date(s) of Inspection

11-30-23

Representative Participation?

Yes

Contact Information (phone and/or email)

Joshua.Eller@cltairport.com

Questions

1. Locate the storm drain locations at this facility (quantity/location)

2. Drains are free of debris?

Yes

Debris Note:

3. Are there visible signs of oil sheens leading to storm drains?

No

4. Is there evidence of spills of any kind to storm drains?

No

5. Has the tenant had any spills not previously reported to CLT?

No

Describe Unreported Previous Spill(s):

6. Are there hard pipe connections leading to the storm drains?

No

7. Are floor drains present inside the building?

No



CLT - Semi-annual Stormwater

No.
00039

8. Are any of the below products within 10 feet of a floor drain inside the building or near a grate drain outside the building?

a. Antifreeze

No

b. Batteries or Battery Acid

No

c. Pesticides

No

d. Fertilizers

No

e. Salt or Coal

No

f. Firefighting Foam

No

Does the tenant actively train with AFFF?

No

g. Garbage/Landfills

No

h. Oil Cans or Oil

No

i. Cleaning Agents

No

j. Degreasers

No

k. Sewerage Waste

No

l. Lavatory Chemicals

No

m. Paint/Paint Waste

No

n. De-Icing Fluid

No

9. Listed products (in question 8) should be stored in covered containers in an enclosed area

Product Storage Note:

10. Are large containers of liquids (over 660 gallons) present at this facility?

Yes

11. Containers over 660 gallons must be either;

Constructed of double-wall materials

12. Is there a secondary AST containment dike (or similar) present outside at this facility?

No

13. Does the dike contain a locking mechanism?

NA

14. Is the mechanism locked?

NA

15. Is there a log (available for review) of water released through the dike containing the date, time and quantity of release?

NA

16. Is there a refuse, scrap, recyclable or other-purposed dumpster in use at this facility?

No

Describe:

17. Are vehicles washed outside at the facility?



CLT - Semi-annual Stormwater

No.
00039

No

18. Does the tenant have a wash plan available?

NA

19. Is the vehicle wash water/wastewater collected?

NA

20. Are detergents biodegradable?

NA

Product Name: (See product label or MSDS)

21. Is there an active oil-water separator in use at this facility?

Yes

What is the cleanout frequency?

Bi Annual

22. Does the tenant have manifests available to correspond with OWS service dates?

Yes

23. The OWS flows to:

Stormwater System

24. Is there evidence of soil erosion or excessive "muddy" water runoff at your facility?

No

Runoff Note:

25. Are there any structural BMPs on site?

Yes

BMP List:

Concrete swale

26. Is there overall evidence of an obvious, non-stormwater discharge to the stormwater drains at this facility?

No

Discharge Note:

Other comments or concerns:



CLT - Tenant Inspection

No.
00014

Inspection Details

Facility Name:

CLT T-Point

Inspection Date:

11/30/2023

Inspector Name:

Chris Alexander

Activities listed below are conducted at the airport and have potential to impact storm water.

Industrial Activities

Activity	Current:	Location:	Contracted:	Comments:
Aircraft Deicing	No			
Aircraft Fueling	No			
Aircraft Maintenance	No			
Aircraft Painting/ Stripping	No			
Aircraft Sanitary Service	No			
Aircraft Washing	No			
Cargo Handling	No			
Chemical Storage	No			
Equipment Degreasing/ Washing	No			
Equipment Maintenance	No			
Equipment Storage	Yes	Both	No	Mobile diesel refueling cart ~300-gal
Fuel Storage	Yes	Outside	Yes	
Fire Equipment Testing/ Flushing	No			
Floor Washdown	No			
Manufacturing	No			
Outdoor Apron Washdown	No			
Pesticide/Herbicide Use	No			
Potable Water Flushing	No			
Runway Deicing	No			
Runway Rubber Removal	No			
Steam Cleaning	No			
Vehicle Fueling	Yes	Outside	Yes	
Vehicle Maintenance	No			
Vehicle Painting/ Stripping	No			
Vehicle Washing	No			
Water Tank Cleaning/ Washing	No			



CLT - Tenant Inspection

Activity	Current:	Location:	Contracted:	Comments:
Other	No			

Any solid or liquid material used or stored at your facility could have the potential to impact storm water if handled, stored, or used improperly. An inventory of these types of materials is listed below.

Potential Pollutants

Pollutant	Present:	Management: (state storage or management practice)	Comments:
Antifreeze	No		
De-Icing Chemicals	No		
Fuel & Lubricants	Yes	Double wall tanks 4k gas 8k diesel	
Herbicides/Pesticides	No		
Lavatory Waste	No		
Oil and Grease	No		
Paint	No		
Detergents or Washwater	No		
Firefighting Agents	Yes	Portable units	
Solvent	No		
Used Batteries	No		
Laboratory Chemicals	No		
Perfumes/Dyes	No		
Liquid or Solid Corrosives	No		
Used Vehicle Parts	No		
Parts Cleaners	No		
Other Products	No		
Sediment	No		



Facility Details

Facility Name

CLT West Ramp / A North

Address or Area

5501 Josh Birmingham Pkwy

Facility Representative

Josh Eller

Date(s) of Inspection

11-30-23

Representative Participation?

Yes

Contact Information (phone and/or email)

joshua.eller@cltairport.com

Questions

1. Locate the storm drain locations at this facility (quantity/location)

2. Drains are free of debris?

Yes

Debris Note:

3. Are there visible signs of oil sheens leading to storm drains?

No

4. Is there evidence of spills of any kind to storm drains?

No

5. Has the tenant had any spills not previously reported to CLT?

No

Describe Unreported Previous Spill(s):

6. Are there hard pipe connections leading to the storm drains?

No

7. Are floor drains present inside the building?

No



CLT - Semi-annual Stormwater

No.
00041

8. Are any of the below products within 10 feet of a floor drain inside the building or near a grate drain outside the building?

a. Antifreeze

No

b. Batteries or Battery Acid

No

c. Pesticides

No

d. Fertilizers

No

e. Salt or Coal

No

f. Firefighting Foam

No

Does the tenant actively train with AFFF?

No

g. Garbage/Landfills

No

h. Oil Cans or Oil

No

i. Cleaning Agents

No

j. Degreasers

No

k. Sewerage Waste

No

l. Lavatory Chemicals

No

m. Paint/Paint Waste

No

n. De-Icing Fluid

No

9. Listed products (in question 8) should be stored in covered containers in an enclosed area

Product Storage Note:

10. Are large containers of liquids (over 660 gallons) present at this facility?

Yes

11. Containers over 660 gallons must be either;

Constructed of double-wall materials

12. Is there a secondary AST containment dike (or similar) present outside at this facility?

No

13. Does the dike contain a locking mechanism?

NA

14. Is the mechanism locked?

NA

15. Is there a log (available for review) of water released through the dike containing the date, time and quantity of release?

NA

16. Is there a refuse, scrap, recyclable or other-purposed dumpster in use at this facility?

No

Describe:

17. Are vehicles washed outside at the facility?



CLT - Semi-annual Stormwater

No.
00041

No

18. Does the tenant have a wash plan available?

NA

19. Is the vehicle wash water/wastewater collected?

NA

20. Are detergents biodegradable?

NA

Product Name: (See product label or MSDS)

21. Is there an active oil-water separator in use at this facility?

Yes

What is the cleanout frequency?

Bi Annual

22. Does the tenant have manifests available to correspond with OWS service dates?

Yes

23. The OWS flows to:

Stormwater System

24. Is there evidence of soil erosion or excessive "muddy" water runoff at your facility?

No

Runoff Note:

25. Are there any structural BMPs on site?

No

BMP List:

26. Is there overall evidence of an obvious, non-stormwater discharge to the stormwater drains at this facility?

No

Discharge Note:

Other comments or concerns:



CLT - Tenant Inspection

No.
00016

Inspection Details

Facility Name:
West Ramp / A North (NEW)
Inspector Name:
Chris Alexander

Inspection Date:
11/30/2023

Activities listed below are conducted at the airport and have potential to impact storm water.

Industrial Activities

Activity	Current:	Location:	Contracted:	Comments:
Aircraft Deicing	No			
Aircraft Fueling	No			
Aircraft Maintenance	No			
Aircraft Painting/ Stripping	No			
Aircraft Sanitary Service	No			
Aircraft Washing	No			
Cargo Handling	No			
Chemical Storage	No			
Equipment Degreasing/ Washing	No			
Equipment Maintenance	No			
Equipment Storage	Yes	Outside	Yes	Spill cart
Fuel Storage	Yes	Outside	Yes	
Fire Equipment Testing/ Flushing	No			
Floor Washdown	No			
Manufacturing	No			
Outdoor Apron Washdown	No			
Pesticide/Herbicide Use	No			
Potable Water Flushing	No			
Runway Deicing	No			
Runway Rubber Removal	No			
Steam Cleaning	No			
Vehicle Fueling	Yes	Outside	Yes	
Vehicle Maintenance	No			
Vehicle Painting/ Stripping	No			
Vehicle Washing	No			
Water Tank Cleaning/ Washing	No			
Other	No			



CLT - Tenant Inspection

Any solid or liquid material used or stored at your facility could have the potential to impact storm water if handled, stored, or used improperly. An inventory of these types of materials is listed below.

Potential Pollutants

Pollutant	Present:	Management: (state storage or management practice)	Comments:
Antifreeze	No		
De-Icing Chemicals	No		
Fuel & Lubricants	Yes	Double walled tanks 5k gas 10k diesel	
Herbicides/Pesticides	No		
Lavatory Waste	No		
Oil and Grease	No		
Paint	No		
Detergents or Washwater	No		
Firefighting Agents	No		
Solvent	No		
Used Batteries	No		
Laboratory Chemicals	No		
Perfumes/Dyes	No		
Liquid or Solid Corrosives	No		
Used Vehicle Parts	No		
Parts Cleaners	No		
Other Products	No		
Sediment	No		



CLT - Semi-annual Stormwater

No.
00021

Facility Details

Facility Name

CMPD Hangar

Address or Area

3998 Sentry Post Road

Facility Representative

Rick Haight

Date(s) of Inspection

12/15/2023

Representative Participation?

Yes

Contact Information (phone and/or email)

704-359-4889/ rhaight@cmpd.org

Questions

1. Locate the storm drain locations at this facility (quantity/location)

2. Drains are free of debris?

Yes

Debris Note:

3. Are there visible signs of oil sheens leading to storm drains?

No

4. Is there evidence of spills of any kind to storm drains?

No

5. Has the tenant had any spills not previously reported to CLT?

No

Describe Unreported Previous Spill(s):

6. Are there hard pipe connections leading to the storm drains?

No

7. Are floor drains present inside the building?

Yes



CLT - Semi-annual Stormwater

No.
00021

8. Are any of the below products within 10 feet of a floor drain inside the building or near a grate drain outside the building?

a. Antifreeze

No

b. Batteries or Battery Acid

No

c. Pesticides

No

d. Fertilizers

No

e. Salt or Coal

No

f. Firefighting Foam

No

Does the tenant actively train with AFFF?

No

g. Garbage/Landfills

No

h. Oil Cans or Oil

No

i. Cleaning Agents

No

j. Degreasers

No

k. Sewerage Waste

No

l. Lavatory Chemicals

No

m. Paint/Paint Waste

No

n. De-Icing Fluid

No

9. Listed products (in question 8) should be stored in covered containers in an enclosed area

Yes

Product Storage Note:

10. Are large containers of liquids (over 660 gallons) present at this facility?

Yes

11. Containers over 660 gallons must be either;

Stored within a secondary containment structure

12. Is there a secondary AST containment dike (or similar) present outside at this facility?

Yes

13. Does the dike contain a locking mechanism?

Yes

14. Is the mechanism locked?

Yes

15. Is there a log (available for review) of water released through the dike containing the date, time and quantity of release?

Yes

16. Is there a refuse, scrap, recyclable or other-purposed dumpster in use at this facility?

No

Describe:

17. Are vehicles washed outside at the facility?



CLT - Semi-annual Stormwater

No.
00021

No

18. Does the tenant have a wash plan available?

NA

19. Is the vehicle wash water/wastewater collected?

NA

20. Are detergents biodegradable?

NA

Product Name: (See product label or MSDS)

21. Is there an active oil-water separator in use at this facility?

Yes

What is the cleanout frequency?

Every 2 years

22. Does the tenant have manifests available to correspond with OWS service dates?

Yes

23. The OWS flows to:

Unknown

24. Is there evidence of soil erosion or excessive "muddy" water runoff at your facility?

No

Runoff Note:

25. Are there any structural BMPs on site?

Yes

BMP List:

There's a Stormwater Detention pond

26. Is there overall evidence of an obvious, non-stormwater discharge to the stormwater drains at this facility?

No

Discharge Note:

Other comments or concerns:

There's several curb inlets, Overall the site looks good.



CLT - Tenant Inspection

No.
00054

Inspection Details

Facility Name:
CMPD Hangar
Inspector Name:
Rick Talley

Inspection Date:
12/15/2023

Activities listed below are conducted at the airport and have potential to impact storm water.

Industrial Activities

Activity	Current:	Location:	Contracted:	Comments:
Aircraft Deicing	No			
Aircraft Fueling	Yes	Outside	No	
Aircraft Maintenance	Yes	Inside	No	
Aircraft Painting/ Stripping	No			
Aircraft Sanitary Service	No			
Aircraft Washing	No			
Cargo Handling	No			
Chemical Storage	No			
Equipment Degreasing/ Washing	No			
Equipment Maintenance	Yes	Inside	No	
Equipment Storage	No			
Fuel Storage	Yes	Outside	No	Above ground Jet Fuel tanks that are in a containment area
Fire Equipment Testing/ Flushing	No			
Floor Washdown	No			
Manufacturing	No			
Outdoor Apron Washdown	No			
Pesticide/Herbicide Use	No			
Potable Water Flushing	No			
Runway Deicing	No			
Runway Rubber Removal	No			
Steam Cleaning	No			
Vehicle Fueling	No			
Vehicle Maintenance	No			
Vehicle Painting/ Stripping	No			
Vehicle Washing	No			
Water Tank Cleaning/ Washing	No			



CLT - Tenant Inspection

Activity	Current:	Location:	Contracted:	Comments:
Other	No			

Any solid or liquid material used or stored at your facility could have the potential to impact storm water if handled, stored, or used improperly. An inventory of these types of materials is listed below.

Potential Pollutants

Pollutant	Present:	Management: (state storage or management practice)	Comments:
Antifreeze	Yes		
De-Icing Chemicals	No		
Fuel & Lubricants	Yes	Stored in a containment area	
Herbicides/Pesticides	No		
Lavatory Waste	No		
Oil and Grease	Yes	Stored in a containment area	
Paint	No		
Detergents or Washwater	No		
Firefighting Agents	No		
Solvent	No		
Used Batteries	No		
Laboratory Chemicals	No		
Perfumes/Dyes	No		
Liquid or Solid Corrosives	No		
Used Vehicle Parts	No		
Parts Cleaners	Yes		
Other Products	No		
Sediment	No		



Facility Details

Facility Name	Date(s) of Inspection
Contour Air	11-8-23
Address or Area	Representative Participation?
Bldg 100	Yes
Facility Representative	Contact Information (phone and/or email)
Joann Canlas, Crew Chief	(980) 226-2473

Questions

1. Locate the storm drain locations at this facility (quantity/location)

2. Drains are free of debris?

Yes

Debris Note:

3. Are there visible signs of oil sheens leading to storm drains?

No

4. Is there evidence of spills of any kind to storm drains?

No

5. Has the tenant had any spills not previously reported to CLT?

No

Describe Unreported Previous Spill(s):

6. Are there hard pipe connections leading to the storm drains?

No

7. Are floor drains present inside the building?

No



CLT - Semi-annual Stormwater

No.
00007

8. Are any of the below products within 10 feet of a floor drain inside the building or near a grate drain outside the building?

a. Antifreeze

No

b. Batteries or Battery Acid

No

c. Pesticides

No

d. Fertilizers

No

e. Salt or Coal

No

f. Firefighting Foam

No

Does the tenant actively train with AFFF?

No

g. Garbage/Landfills

No

h. Oil Cans or Oil

No

i. Cleaning Agents

No

j. Degreasers

No

k. Sewerage Waste

No

l. Lavatory Chemicals

No

m. Paint/Paint Waste

No

n. De-Icing Fluid

No

9. Listed products (in question 8) should be stored in covered containers in an enclosed area

Yes

Product Storage Note:

Only off the shelf general cleaners.

10. Are large containers of liquids (over 660 gallons) present at this facility?

No

11. Containers over 660 gallons must be either;

12. Is there a secondary AST containment dike (or similar) present outside at this facility?

No

13. Does the dike contain a locking mechanism?

NA

14. Is the mechanism locked?

NA

15. Is there a log (available for review) of water released through the dike containing the date, time and quantity of release?

NA

16. Is there a refuse, scrap, recyclable or other-purposed dumpster in use at this facility?

No

Describe:

Use only smaller waste bins that are emptied into CLT provided dumpsters.

17. Are vehicles washed outside at the facility?



CLT - Semi-annual Stormwater

No.
00007

No

18. Does the tenant have a wash plan available?

NA

19. Is the vehicle wash water/wastewater collected?

NA

20. Are detergents biodegradable?

NA

Product Name: (See product label or MSDS)

21. Is there an active oil-water separator in use at this facility?

No

22. Does the tenant have manifests available to correspond with OWS service dates?

No

23. The OWS flows to:

24. Is there evidence of soil erosion or excessive "muddy" water runoff at your facility?

No

Runoff Note:

25. Are there any structural BMPs on site?

No

BMP List:

26. Is there overall evidence of an obvious, non-stormwater discharge to the stormwater drains at this facility?

No

Discharge Note:

Other comments or concerns:



CLT - Tenant Inspection

No.
00007

Inspection Details

Facility Name:

Contour Air

Inspection Date:

11/08/2023

Inspector Name:

Chris Alexander

Activities listed below are conducted at the airport and have potential to impact storm water.

Industrial Activities

Activity	Current:	Location:	Contracted:	Comments:
Aircraft Deicing	Yes	Outside	Yes	
Aircraft Fueling	Yes	Outside	Yes	3rd party contractor
Aircraft Maintenance	Yes	Outside	No	Basic maintenance that can be completed at the gate with occasional tire changes as needed.
Aircraft Painting/ Stripping	No			
Aircraft Sanitary Service	Yes	Outside	Yes	3rd party contractor
Aircraft Washing	No			
Cargo Handling	No			
Chemical Storage	No			
Equipment Degreasing/ Washing	No			
Equipment Maintenance	No			
Equipment Storage	No			
Fuel Storage	No			
Fire Equipment Testing/ Flushing	No			
Floor Washdown	No			
Manufacturing	No			
Outdoor Apron Washdown	No			
Pesticide/Herbicide Use	No			
Potable Water Flushing	No			
Runway Deicing	No			
Runway Rubber Removal	No			
Steam Cleaning	No			
Vehicle Fueling	Yes	Outside	Yes	
Vehicle Maintenance	No			
Vehicle Painting/ Stripping	No			
Vehicle Washing	No			
Water Tank Cleaning/	No			



CLT - Tenant Inspection

No.
00007

Activity	Current:	Location:	Contracted:	Comments:
Washing				
Other	No			

Any solid or liquid material used or stored at your facility could have the potential to impact storm water if handled, stored, or used improperly. An inventory of these types of materials is listed below.

Potential Pollutants

Pollutant	Present:	Management: (state storage or management practice)	Comments:
Antifreeze	No		
De-Icing Chemicals	No		
Fuel & Lubricants	No		
Herbicides/Pesticides	No		
Lavatory Waste	No		
Oil and Grease	No		
Paint	No		
Detergents or Washwater	No		
Firefighting Agents	No		
Solvent	No		
Used Batteries	No		
Laboratory Chemicals	No		
Perfumes/Dyes	No		
Liquid or Solid Corrosives	No		
Used Vehicle Parts	No		
Parts Cleaners	No		
Other Products	No	3 New tires are on standby in office, in boxes, for changing at the gate.	
Sediment	No		



CLT - Semi-annual Stormwater

No.
00032

Facility Details

Facility Name	Date(s) of Inspection
Delta Cargo / Jetstream	12/20/2023
Address or Area	Representative Participation?
4402 Yorkmont Road	Yes
Facility Representative	Contact Information (phone and/or email)
David Brown	917-576-5965/ dbrown@jetstreamgs.com

Questions

1. Locate the storm drain locations at this facility (quantity/location)

2. Drains are free of debris?

Yes

Debris Note:

3. Are there visible signs of oil sheens leading to storm drains?

No

4. Is there evidence of spills of any kind to storm drains?

No

5. Has the tenant had any spills not previously reported to CLT?

No

Describe Unreported Previous Spill(s):

6. Are there hard pipe connections leading to the storm drains?

No

7. Are floor drains present inside the building?

No



CLT - Semi-annual Stormwater

No.
00032

8. Are any of the below products within 10 feet of a floor drain inside the building or near a grate drain outside the building?

a. Antifreeze

No

b. Batteries or Battery Acid

No

c. Pesticides

No

d. Fertilizers

No

e. Salt or Coal

No

f. Firefighting Foam

No

Does the tenant actively train with AFFF?

No

g. Garbage/Landfills

No

h. Oil Cans or Oil

No

i. Cleaning Agents

No

j. Degreasers

No

k. Sewerage Waste

No

l. Lavatory Chemicals

No

m. Paint/Paint Waste

No

n. De-Icing Fluid

No

9. Listed products (in question 8) should be stored in covered containers in an enclosed area

Yes

Product Storage Note:

10. Are large containers of liquids (over 660 gallons) present at this facility?

No

11. Containers over 660 gallons must be either;

12. Is there a secondary AST containment dike (or similar) present outside at this facility?

No

13. Does the dike contain a locking mechanism?

NA

14. Is the mechanism locked?

NA

15. Is there a log (available for review) of water released through the dike containing the date, time and quantity of release?

NA

16. Is there a refuse, scrap, recyclable or other-purposed dumpster in use at this facility?

Yes

Describe:

One 30yrd Rolloff household at the loading dock

17. Are vehicles washed outside at the facility?



CLT - Semi-annual Stormwater

No.
00032

No

18. Does the tenant have a wash plan available?

NA

19. Is the vehicle wash water/wastewater collected?

NA

20. Are detergents biodegradable?

NA

Product Name: (See product label or MSDS)

21. Is there an active oil-water separator in use at this facility?

No

22. Does the tenant have manifests available to correspond with OWS service dates?

No

23. The OWS flows to:

Unknown

24. Is there evidence of soil erosion or excessive "muddy" water runoff at your facility?

No

Runoff Note:

25. Are there any structural BMPs on site?

No

BMP List:

26. Is there overall evidence of an obvious, non-stormwater discharge to the stormwater drains at this facility?

No

Discharge Note:

Other comments or concerns:

There's a Trench Drain at the loading dock, and several catch basins in the parking lot. Overall the site looks good.



CLT - Tenant Inspection

No.
00065

Inspection Details

Facility Name:
Delta Cargo/ Jetstream
Inspector Name:
Rick Talley

Inspection Date:
12/20/2023

Activities listed below are conducted at the airport and have potential to impact storm water.

Industrial Activities

Activity	Current:	Location:	Contracted:	Comments:
Aircraft Deicing	No			
Aircraft Fueling	No			
Aircraft Maintenance	No			
Aircraft Painting/ Stripping	No			
Aircraft Sanitary Service	No			
Aircraft Washing	No			
Cargo Handling	Yes	Both	No	
Chemical Storage	No			
Equipment Degreasing/ Washing	No			
Equipment Maintenance	No			
Equipment Storage	No			
Fuel Storage	No			
Fire Equipment Testing/ Flushing	No			
Floor Washdown	No			
Manufacturing	No			
Outdoor Apron Washdown	No			
Pesticide/Herbicide Use	No			
Potable Water Flushing	No			
Runway Deicing	No			
Runway Rubber Removal	No			
Steam Cleaning	No			
Vehicle Fueling	No			
Vehicle Maintenance	No			
Vehicle Painting/ Stripping	No			
Vehicle Washing	No			
Water Tank Cleaning/ Washing	No			
Other	No			



CLT - Tenant Inspection

Any solid or liquid material used or stored at your facility could have the potential to impact storm water if handled, stored, or used improperly. An inventory of these types of materials is listed below.

Potential Pollutants

Pollutant	Present:	Management: (state storage or management practice)	Comments:
Antifreeze	No		
De-Icing Chemicals	No		
Fuel & Lubricants	No		
Herbicides/Pesticides	No		
Lavatory Waste	No		
Oil and Grease	No		
Paint	No		
Detergents or Washwater	No		
Firefighting Agents	No		
Solvent	No		
Used Batteries	No		
Laboratory Chemicals	No		
Perfumes/Dyes	No		
Liquid or Solid Corrosives	No		
Used Vehicle Parts	No		
Parts Cleaners	No		
Other Products	No		
Sediment	No		



Facility Details

Facility Name	Date(s) of Inspection
Delta Line Maintenance/ A5	1/8/24
Address or Area	Representative Participation?
5501 Josh Birmingham Parkway	Yes
Facility Representative	Contact Information (phone and/or email)
Daniel	704-359-4953 / clt250leads@delta.com

Questions

1. Locate the storm drain locations at this facility (quantity/location)

2. Drains are free of debris?

Yes

Debris Note:

3. Are there visible signs of oil sheens leading to storm drains?

No

4. Is there evidence of spills of any kind to storm drains?

No

5. Has the tenant had any spills not previously reported to CLT?

No

Describe Unreported Previous Spill(s):

6. Are there hard pipe connections leading to the storm drains?

No

7. Are floor drains present inside the building?

Yes



CLT - Semi-annual Stormwater

No.
00050

8. Are any of the below products within 10 feet of a floor drain inside the building or near a grate drain outside the building?

a. Antifreeze

No

b. Batteries or Battery Acid

No

c. Pesticides

No

d. Fertilizers

No

e. Salt or Coal

No

f. Firefighting Foam

No

Does the tenant actively train with AFFF?

No

g. Garbage/Landfills

No

h. Oil Cans or Oil

No

i. Cleaning Agents

No

j. Degreasers

No

k. Sewerage Waste

No

l. Lavatory Chemicals

No

m. Paint/Paint Waste

No

n. De-Icing Fluid

No

9. Listed products (in question 8) should be stored in covered containers in an enclosed area

Yes

Product Storage Note:

10. Are large containers of liquids (over 660 gallons) present at this facility?

No

11. Containers over 660 gallons must be either;

12. Is there a secondary AST containment dike (or similar) present outside at this facility?

No

13. Does the dike contain a locking mechanism?

NA

14. Is the mechanism locked?

NA

15. Is there a log (available for review) of water released through the dike containing the date, time and quantity of release?

NA

16. Is there a refuse, scrap, recyclable or other-purposed dumpster in use at this facility?

Yes

Describe:

There's a 8yrd household compactor that's maintain by the City

17. Are vehicles washed outside at the facility?



CLT - Semi-annual Stormwater

No.
00050

No

18. Does the tenant have a wash plan available?

NA

19. Is the vehicle wash water/wastewater collected?

NA

20. Are detergents biodegradable?

NA

Product Name: (See product label or MSDS)

21. Is there an active oil-water separator in use at this facility?

No

22. Does the tenant have manifests available to correspond with OWS service dates?

No

23. The OWS flows to:

Unknown

24. Is there evidence of soil erosion or excessive "muddy" water runoff at your facility?

No

Runoff Note:

25. Are there any structural BMPs on site?

No

BMP List:

26. Is there overall evidence of an obvious, non-stormwater discharge to the stormwater drains at this facility?

No

Discharge Note:

Other comments or concerns:

Overall site looks good.



CLT - Tenant Inspection

No.
00072

Inspection Details

Facility Name:
Delta Line Maintenance
Inspector Name:
Rick Talley

Inspection Date:
01/08/2024

Activities listed below are conducted at the airport and have potential to impact storm water.

Industrial Activities

Activity	Current:	Location:	Contracted:	Comments:
Aircraft Deicing	Yes	Outside	Yes	IDS
Aircraft Fueling	Yes	Outside	Yes	Menzies
Aircraft Maintenance	Yes	Outside	No	
Aircraft Painting/ Stripping	No			
Aircraft Sanitary Service	Yes	Outside	No	
Aircraft Washing	No			
Cargo Handling	No			
Chemical Storage	Yes	Inside	No	
Equipment Degreasing/ Washing	No			
Equipment Maintenance	Yes	Both	No	Minor equipment repairs
Equipment Storage	No			
Fuel Storage	No			
Fire Equipment Testing/ Flushing	No			
Floor Washdown	No			
Manufacturing	No			
Outdoor Apron Washdown	No			
Pesticide/Herbicide Use	No			
Potable Water Flushing	No			
Runway Deicing	No			
Runway Rubber Removal	No			
Steam Cleaning	No			
Vehicle Fueling	No			
Vehicle Maintenance	No			
Vehicle Painting/ Stripping	No			
Vehicle Washing	No			
Water Tank Cleaning/ Washing	No			
Other	No			



CLT - Tenant Inspection

Any solid or liquid material used or stored at your facility could have the potential to impact storm water if handled, stored, or used improperly. An inventory of these types of materials is listed below.

Potential Pollutants

Pollutant	Present:	Management: (state storage or management practice)	Comments:
Antifreeze	No		
De-Icing Chemicals	No		
Fuel & Lubricants	Yes		
Herbicides/Pesticides	No		
Lavatory Waste	No		
Oil and Grease	Yes	Store in a storage room in containments	
Paint	No		
Detergents or Washwater	No		
Firefighting Agents	No		
Solvent	No		
Used Batteries	No		
Laboratory Chemicals	No		
Perfumes/Dyes	No		
Liquid or Solid Corrosives	No		
Used Vehicle Parts	No		
Parts Cleaners	Yes	Storage room	
Other Products	No		
Sediment	No		



CLT - Semi-annual Stormwater

No.
00036

Facility Details

Facility Name	Date(s) of Inspection
DGS UNIFI	12/21/2023
Address or Area	Representative Participation?
4821 Express Drive	Yes
Facility Representative	Contact Information (phone and/or email)
Gene Skinner	843-337-0384/ gene.skinner@delta.com

Questions

1. Locate the storm drain locations at this facility (quantity/location)

2. Drains are free of debris?

Yes

Debris Note:

3. Are there visible signs of oil sheens leading to storm drains?

No

4. Is there evidence of spills of any kind to storm drains?

No

5. Has the tenant had any spills not previously reported to CLT?

No

Describe Unreported Previous Spill(s):

6. Are there hard pipe connections leading to the storm drains?

No

7. Are floor drains present inside the building?

Yes



CLT - Semi-annual Stormwater

No.
00036

8. Are any of the below products within 10 feet of a floor drain inside the building or near a grate drain outside the building?

a. Antifreeze

No

b. Batteries or Battery Acid

No

c. Pesticides

No

d. Fertilizers

No

e. Salt or Coal

No

f. Firefighting Foam

No

Does the tenant actively train with AFFF?

No

g. Garbage/Landfills

No

h. Oil Cans or Oil

Yes

i. Cleaning Agents

No

j. Degreasers

No

k. Sewerage Waste

No

l. Lavatory Chemicals

No

m. Paint/Paint Waste

No

n. De-Icing Fluid

No

9. Listed products (in question 8) should be stored in covered containers in an enclosed area

Yes

Product Storage Note:

Oil Drums are stored in a storage room attached to the building

10. Are large containers of liquids (over 660 gallons) present at this facility?

No

11. Containers over 660 gallons must be either;

12. Is there a secondary AST containment dike (or similar) present outside at this facility?

No

13. Does the dike contain a locking mechanism?

NA

14. Is the mechanism locked?

NA

15. Is there a log (available for review) of water released through the dike containing the date, time and quantity of release?

NA

16. Is there a refuse, scrap, recyclable or other-purposed dumpster in use at this facility?

Yes

Describe:

One 8yrd household covered dumpster

17. Are vehicles washed outside at the facility?



CLT - Semi-annual Stormwater

No.
00036

No

18. Does the tenant have a wash plan available?

NA

19. Is the vehicle wash water/wastewater collected?

NA

20. Are detergents biodegradable?

NA

Product Name: (See product label or MSDS)

21. Is there an active oil-water separator in use at this facility?

No

22. Does the tenant have manifests available to correspond with OWS service dates?

No

23. The OWS flows to:

Unknown

24. Is there evidence of soil erosion or excessive "muddy" water runoff at your facility?

No

Runoff Note:

25. Are there any structural BMPs on site?

No

BMP List:

26. Is there overall evidence of an obvious, non-stormwater discharge to the stormwater drains at this facility?

No

Discharge Note:

Other comments or concerns:

Floor drains in building drains to the sanitary sewer. There's one Drop Inlet in front of building. Overall this site looks good.



CLT - Tenant Inspection

No.
00069

Inspection Details

Facility Name:

DGS UNIFI

Inspection Date:

12/21/2023

Inspector Name:

Rick Talley

Activities listed below are conducted at the airport and have potential to impact storm water.

Industrial Activities

Activity	Current:	Location:	Contracted:	Comments:
Aircraft Deicing	No			
Aircraft Fueling	No			
Aircraft Maintenance	No			
Aircraft Painting/ Stripping	No			
Aircraft Sanitary Service	No			
Aircraft Washing	No			
Cargo Handling	No			
Chemical Storage	Yes	Inside	No	
Equipment Degreasing/ Washing	Yes	Both	No	
Equipment Maintenance	Yes	Both	No	Minor equipment repairs
Equipment Storage	Yes	Inside	No	
Fuel Storage	No			
Fire Equipment Testing/ Flushing	No			
Floor Washdown	No			
Manufacturing	No			
Outdoor Apron Washdown	No			
Pesticide/Herbicide Use	No			
Potable Water Flushing	No			
Runway Deicing	No			
Runway Rubber Removal	No			
Steam Cleaning	No			
Vehicle Fueling	No			
Vehicle Maintenance	No			
Vehicle Painting/ Stripping	No			
Vehicle Washing	No			
Water Tank Cleaning/ Washing	No			
Other	No			



CLT - Tenant Inspection

Any solid or liquid material used or stored at your facility could have the potential to impact storm water if handled, stored, or used improperly. An inventory of these types of materials is listed below.

Potential Pollutants

Pollutant	Present:	Management: (state storage or management practice)	Comments:
Antifreeze	No		
De-Icing Chemicals	No		
Fuel & Lubricants	Yes		
Herbicides/Pesticides	No		
Lavatory Waste	No		
Oil and Grease	Yes	Stored in an storage room attached to the building, Oil is stored in a containment area	
Paint	No		
Detergents or Washwater	No		
Firefighting Agents	No		
Solvent	No		
Used Batteries	No		
Laboratory Chemicals	No		
Perfumes/Dyes	No		
Liquid or Solid Corrosives	No		
Used Vehicle Parts	No		
Parts Cleaners	Yes		
Other Products	No		
Sediment	No		



Facility Details

Facility Name	Date(s) of Inspection
DNATA	12/21/2023
Address or Area	Representative Participation?
4818-C Express Drive	Yes
Facility Representative	Contact Information (phone and/or email)
Alvin Duran	704-877-1221/ Alvin.duran@dnata.us

Questions

1. Locate the storm drain locations at this facility (quantity/location)

2. Drains are free of debris?

Yes

Debris Note:

3. Are there visible signs of oil sheens leading to storm drains?

No

4. Is there evidence of spills of any kind to storm drains?

No

5. Has the tenant had any spills not previously reported to CLT?

No

Describe Unreported Previous Spill(s):

6. Are there hard pipe connections leading to the storm drains?

No

7. Are floor drains present inside the building?

Yes



CLT - Semi-annual Stormwater

No.
00038

8. Are any of the below products within 10 feet of a floor drain inside the building or near a grate drain outside the building?

a. Antifreeze

No

b. Batteries or Battery Acid

No

c. Pesticides

No

d. Fertilizers

No

e. Salt or Coal

No

f. Firefighting Foam

No

Does the tenant actively train with AFFF?

No

g. Garbage/Landfills

No

h. Oil Cans or Oil

No

i. Cleaning Agents

No

j. Degreasers

No

k. Sewerage Waste

No

l. Lavatory Chemicals

No

m. Paint/Paint Waste

No

n. De-Icing Fluid

No

9. Listed products (in question 8) should be stored in covered containers in an enclosed area

Yes

Product Storage Note:

10. Are large containers of liquids (over 660 gallons) present at this facility?

No

11. Containers over 660 gallons must be either;

12. Is there a secondary AST containment dike (or similar) present outside at this facility?

No

13. Does the dike contain a locking mechanism?

NA

14. Is the mechanism locked?

NA

15. Is there a log (available for review) of water released through the dike containing the date, time and quantity of release?

NA

16. Is there a refuse, scrap, recyclable or other-purposed dumpster in use at this facility?

Yes

Describe:

8yr household dumpster

17. Are vehicles washed outside at the facility?



CLT - Semi-annual Stormwater

No.
00038

No

18. Does the tenant have a wash plan available?

NA

19. Is the vehicle wash water/wastewater collected?

NA

20. Are detergents biodegradable?

NA

Product Name: (See product label or MSDS)

21. Is there an active oil-water separator in use at this facility?

No

22. Does the tenant have manifests available to correspond with OWS service dates?

No

23. The OWS flows to:

Unknown

24. Is there evidence of soil erosion or excessive "muddy" water runoff at your facility?

No

Runoff Note:

25. Are there any structural BMPs on site?

No

BMP List:

26. Is there overall evidence of an obvious, non-stormwater discharge to the stormwater drains at this facility?

No

Discharge Note:

Other comments or concerns:

Floor drains drain into sanitary sewer. Site looks good



CLT - Tenant Inspection

No.
00071

Inspection Details

Facility Name:

DNATA

Inspection Date:

12/21/2023

Inspector Name:

Rick Talley

Activities listed below are conducted at the airport and have potential to impact storm water.

Industrial Activities

Activity	Current:	Location:	Contracted:	Comments:
Aircraft Deicing	No			
Aircraft Fueling	No			
Aircraft Maintenance	No			
Aircraft Painting/ Stripping	No			
Aircraft Sanitary Service	No			
Aircraft Washing	No			
Cargo Handling	Yes	Inside	No	
Chemical Storage	No			
Equipment Degreasing/ Washing	No			
Equipment Maintenance	No			
Equipment Storage	No			
Fuel Storage	No			
Fire Equipment Testing/ Flushing	No			
Floor Washdown	No			
Manufacturing	No			
Outdoor Apron Washdown	No			
Pesticide/Herbicide Use	No			
Potable Water Flushing	No			
Runway Deicing	No			
Runway Rubber Removal	No			
Steam Cleaning	No			
Vehicle Fueling	No			
Vehicle Maintenance	No			
Vehicle Painting/ Stripping	No			
Vehicle Washing	No			
Water Tank Cleaning/ Washing	No			
Other	No			



CLT - Tenant Inspection

Any solid or liquid material used or stored at your facility could have the potential to impact storm water if handled, stored, or used improperly. An inventory of these types of materials is listed below.

Potential Pollutants

Pollutant	Present:	Management: (state storage or management practice)	Comments:
Antifreeze	No		
De-Icing Chemicals	No		
Fuel & Lubricants	No		
Herbicides/Pesticides	No		
Lavatory Waste	No		
Oil and Grease	No		
Paint	No		
Detergents or Washwater	No		
Firefighting Agents	No		
Solvent	No		
Used Batteries	No		
Laboratory Chemicals	No		
Perfumes/Dyes	No		
Liquid or Solid Corrosives	No		
Used Vehicle Parts	No		
Parts Cleaners	No		
Other Products	No		
Sediment	No		



CLT - Semi-annual Stormwater

No.
00034

Facility Details

Facility Name

Express Catering

Address or Area

4840-A Express Drive

Facility Representative

Edwin Dragun

Date(s) of Inspection

12/20/2023

Representative Participation?

Yes

Contact Information (phone and/or email)

732-757-7946/ Edwin.dragun@expcatering.com

Questions

1. Locate the storm drain locations at this facility (quantity/location)

2. Drains are free of debris?

Yes

Debris Note:

3. Are there visible signs of oil sheens leading to storm drains?

No

4. Is there evidence of spills of any kind to storm drains?

No

5. Has the tenant had any spills not previously reported to CLT?

No

Describe Unreported Previous Spill(s):

6. Are there hard pipe connections leading to the storm drains?

Yes

7. Are floor drains present inside the building?

Yes



CLT - Semi-annual Stormwater

No.
00034

8. Are any of the below products within 10 feet of a floor drain inside the building or near a grate drain outside the building?

a. Antifreeze

No

b. Batteries or Battery Acid

No

c. Pesticides

No

d. Fertilizers

No

e. Salt or Coal

No

f. Firefighting Foam

No

Does the tenant actively train with AFFF?

No

g. Garbage/Landfills

No

h. Oil Cans or Oil

No

i. Cleaning Agents

No

j. Degreasers

No

k. Sewerage Waste

No

l. Lavatory Chemicals

No

m. Paint/Paint Waste

No

n. De-Icing Fluid

No

9. Listed products (in question 8) should be stored in covered containers in an enclosed area

Yes

Product Storage Note:

10. Are large containers of liquids (over 660 gallons) present at this facility?

No

11. Containers over 660 gallons must be either;

12. Is there a secondary AST containment dike (or similar) present outside at this facility?

No

13. Does the dike contain a locking mechanism?

NA

14. Is the mechanism locked?

NA

15. Is there a log (available for review) of water released through the dike containing the date, time and quantity of release?

NA

16. Is there a refuse, scrap, recyclable or other-purposed dumpster in use at this facility?

Yes

Describe:

One 30yrd recycle cardboard, two 30yrd household dumpsters

17. Are vehicles washed outside at the facility?



CLT - Semi-annual Stormwater

No.
00034

No

18. Does the tenant have a wash plan available?

NA

19. Is the vehicle wash water/wastewater collected?

NA

20. Are detergents biodegradable?

NA

Product Name: (See product label or MSDS)

21. Is there an active oil-water separator in use at this facility?

No

22. Does the tenant have manifests available to correspond with OWS service dates?

No

23. The OWS flows to:

Unknown

24. Is there evidence of soil erosion or excessive "muddy" water runoff at your facility?

No

Runoff Note:

25. Are there any structural BMPs on site?

No

BMP List:

26. Is there overall evidence of an obvious, non-stormwater discharge to the stormwater drains at this facility?

No

Discharge Note:

Other comments or concerns:

There's a Trench Drain at the loading dock, Overall site looks good.



CLT - Tenant Inspection

No.
00067

Inspection Details

Facility Name:
Express Catering
Inspector Name:
Rick Talley

Inspection Date:
12/20/2023

Activities listed below are conducted at the airport and have potential to impact storm water.

Industrial Activities

Activity	Current:	Location:	Contracted:	Comments:
Aircraft Deicing	No			
Aircraft Fueling	No			
Aircraft Maintenance	No			
Aircraft Painting/ Stripping	No			
Aircraft Sanitary Service	No			
Aircraft Washing	No			
Cargo Handling	No			
Chemical Storage	No			
Equipment Degreasing/ Washing	No			
Equipment Maintenance	No			
Equipment Storage	No			
Fuel Storage	No			
Fire Equipment Testing/ Flushing	No			
Floor Washdown	No			
Manufacturing	No			
Outdoor Apron Washdown	No			
Pesticide/Herbicide Use	No			
Potable Water Flushing	No			
Runway Deicing	No			
Runway Rubber Removal	No			
Steam Cleaning	No			
Vehicle Fueling	No			
Vehicle Maintenance	No			
Vehicle Painting/ Stripping	No			
Vehicle Washing	No			
Water Tank Cleaning/ Washing	No			
Other	No			



CLT - Tenant Inspection

Any solid or liquid material used or stored at your facility could have the potential to impact storm water if handled, stored, or used improperly. An inventory of these types of materials is listed below.

Potential Pollutants

Pollutant	Present:	Management: (state storage or management practice)	Comments:
Antifreeze	No		
De-Icing Chemicals	No		
Fuel & Lubricants	No		
Herbicides/Pesticides	No		
Lavatory Waste	No		
Oil and Grease	No		
Paint	No		
Detergents or Washwater	No		
Firefighting Agents	No		
Solvent	No		
Used Batteries	No		
Laboratory Chemicals	No		
Perfumes/Dyes	No		
Liquid or Solid Corrosives	No		
Used Vehicle Parts	No		
Parts Cleaners	No		
Other Products	No		
Sediment	No		



CLT - Semi-annual Stormwater

No.
00019

Facility Details

Facility Name

FedEx

Address or Area

4200 Yorkmont Rd.

Facility Representative

Ashley Kuligowski

Date(s) of Inspection

12/14/23

Representative Participation?

Yes

Contact Information (phone and/or email)

Ashley.kuligowski@fedex.com

Questions

1. Locate the storm drain locations at this facility (quantity/location)

2. Drains are free of debris?

No

Debris Note:

Few drains in employee/customer parking area have light buildup of organics and some sediment.

3. Are there visible signs of oil sheens leading to storm drains?

No

4. Is there evidence of spills of any kind to storm drains?

No

5. Has the tenant had any spills not previously reported to CLT?

No

Describe Unreported Previous Spill(s):

6. Are there hard pipe connections leading to the storm drains?

No

7. Are floor drains present inside the building?

No



CLT - Semi-annual Stormwater

No.
00019

8. Are any of the below products within 10 feet of a floor drain inside the building or near a grate drain outside the building?

a. Antifreeze

No

b. Batteries or Battery Acid

No

c. Pesticides

No

d. Fertilizers

No

e. Salt or Coal

No

f. Firefighting Foam

No

Does the tenant actively train with AFFF?

No

g. Garbage/Landfills

No

h. Oil Cans or Oil

No

i. Cleaning Agents

No

j. Degreasers

No

k. Sewerage Waste

No

l. Lavatory Chemicals

No

m. Paint/Paint Waste

No

n. De-Icing Fluid

No

9. Listed products (in question 8) should be stored in covered containers in an enclosed area

Yes

Product Storage Note:

10. Are large containers of liquids (over 660 gallons) present at this facility?

Yes

11. Containers over 660 gallons must be either;

Constructed of double-wall materials

12. Is there a secondary AST containment dike (or similar) present outside at this facility?

No

13. Does the dike contain a locking mechanism?

NA

14. Is the mechanism locked?

NA

15. Is there a log (available for review) of water released through the dike containing the date, time and quantity of release?

NA

16. Is there a refuse, scrap, recyclable or other-purposed dumpster in use at this facility?

Yes

Describe:

Lidded dumpster for general refuse.

17. Are vehicles washed outside at the facility?



CLT - Semi-annual Stormwater

No.
00019

No

18. Does the tenant have a wash plan available?

NA

19. Is the vehicle wash water/wastewater collected?

NA

20. Are detergents biodegradable?

NA

Product Name: (See product label or MSDS)

21. Is there an active oil-water separator in use at this facility?

No

22. Does the tenant have manifests available to correspond with OWS service dates?

No

23. The OWS flows to:

Unknown

24. Is there evidence of soil erosion or excessive "muddy" water runoff at your facility?

No

Runoff Note:

25. Are there any structural BMPs on site?

Yes

BMP List:

Curb cuts in employee/customer parking lot

26. Is there overall evidence of an obvious, non-stormwater discharge to the stormwater drains at this facility?

No

Discharge Note:

Other comments or concerns:

Tenant would like copy of report.



CLT - Tenant Inspection

No.
00013

Inspection Details

Facility Name:

FedEx

Inspection Date:

12/14/2023

Inspector Name:

Chris Alexander

Activities listed below are conducted at the airport and have potential to impact storm water.

Industrial Activities

Activity	Current:	Location:	Contracted:	Comments:
Aircraft Deicing	Yes	Outside	Yes	
Aircraft Fueling	Yes	Outside	Yes	
Aircraft Maintenance	Yes	Inside	No	
Aircraft Painting/ Stripping	No			
Aircraft Sanitary Service	Yes	Outside	Yes	
Aircraft Washing	No			
Cargo Handling	Yes	Inside	No	
Chemical Storage	Yes	Inside	No	
Equipment Degreasing/ Washing	Yes	Inside	No	
Equipment Maintenance	Yes	Inside	No	
Equipment Storage	Yes	Both	No	
Fuel Storage	No			
Fire Equipment Testing/ Flushing	No			
Floor Washdown	Yes	Inside	Yes	Sorentinos
Manufacturing	No			
Outdoor Apron Washdown	No			
Pesticide/Herbicide Use	No			
Potable Water Flushing	No			
Runway Deicing	No			
Runway Rubber Removal	No			
Steam Cleaning	No			
Vehicle Fueling	Yes	Outside	Yes	
Vehicle Maintenance	Yes	Inside	No	
Vehicle Painting/ Stripping	No			
Vehicle Washing	No			
Water Tank Cleaning/ Washing	No			
Other	No			



CLT - Tenant Inspection

Any solid or liquid material used or stored at your facility could have the potential to impact storm water if handled, stored, or used improperly. An inventory of these types of materials is listed below.

Potential Pollutants

Pollutant	Present:	Management: (state storage or management practice)	Comments:
Antifreeze	Yes	Off the shelf type products, less than 5 gallons	
De-Icing Chemicals	Yes	3 deicing trucks, 3 totes of deicing/anti-icing fluids, one tanker trailer (~3-4k gallon) deicing/anti-icing fluids.	Deicing has not been performed by FedEx personnel and deicing equipment is unused. Ms. Kuligowski states that FedEx is planning to remove all equipment except for one truck that will only be staying for storage purposes, not to be used.
Fuel & Lubricants	Yes	Off the shelf type products, less than 5 gallons	
Herbicides/Pesticides	No		
Lavatory Waste	No		
Oil and Grease	Yes	Off the shelf type products, less than 5 gallons; drums for new and used oil are stored on secondary containments	
Paint	Yes	Rattle cans only	
Detergents or Washwater	No		
Firefighting Agents	No		
Solvent	Yes	Off the shelf type products, less than 5 gallons	
Used Batteries	Yes	Dedicated battery receptacle emptied when half full.	
Laboratory Chemicals	No		
Perfumes/Dyes	No		
Liquid or Solid Corrosives	No		
Used Vehicle Parts	No	Used parts are only retained until they can be turned in.	
Parts Cleaners	Yes	One parts washer with 35-gal drum	
Other Products	No		
Sediment	Yes	Front parking lot for employees and customers has light buildup of sediment and organics in curb inlets.	Lot could use sweeping but isn't a concern at this time.



Facility Details

Facility Name

Fire Station 17

Address or Area

5308 Morris Field Dr

Facility Representative

Kevin Rink

Date(s) of Inspection

12/14/23

Representative Participation?

Yes

Contact Information (phone and/or email)

Kevin.rink@charlottenc.gov

Questions

1. Locate the storm drain locations at this facility (quantity/location)

2. Drains are free of debris?

Yes

Debris Note:

3. Are there visible signs of oil sheens leading to storm drains?

No

4. Is there evidence of spills of any kind to storm drains?

No

5. Has the tenant had any spills not previously reported to CLT?

No

Describe Unreported Previous Spill(s):

6. Are there hard pipe connections leading to the storm drains?

No

7. Are floor drains present inside the building?

Yes



CLT - Semi-annual Stormwater

No.
00018

8. Are any of the below products within 10 feet of a floor drain inside the building or near a grate drain outside the building?

a. Antifreeze

Yes

b. Batteries or Battery Acid

Yes

c. Pesticides

No

d. Fertilizers

No

e. Salt or Coal

No

f. Firefighting Foam

Yes

Does the tenant actively train with AFFF?

No

g. Garbage/Landfills

No

h. Oil Cans or Oil

Yes

i. Cleaning Agents

Yes

j. Degreasers

Yes

k. Sewerage Waste

No

l. Lavatory Chemicals

No

m. Paint/Paint Waste

No

n. De-Icing Fluid

No

9. Listed products (in question 8) should be stored in covered containers in an enclosed area

Yes

Product Storage Note:

10. Are large containers of liquids (over 660 gallons) present at this facility?

Yes

11. Containers over 660 gallons must be either;

Stored within a secondary containment structure

12. Is there a secondary AST containment dike (or similar) present outside at this facility?

No

13. Does the dike contain a locking mechanism?

NA

14. Is the mechanism locked?

NA

15. Is there a log (available for review) of water released through the dike containing the date, time and quantity of release?

NA

16. Is there a refuse, scrap, recyclable or other-purposed dumpster in use at this facility?

Yes

Describe:

Lidded dumpster

17. Are vehicles washed outside at the facility?



CLT - Semi-annual Stormwater

No.
00018

Yes

18. Does the tenant have a wash plan available?

No

19. Is the vehicle wash water/wastewater collected?

No

20. Are detergents biodegradable?

Yes

Product Name: (See product label or MSDS)

21. Is there an active oil-water separator in use at this facility?

Yes

What is the cleanout frequency?

Unknown

22. Does the tenant have manifests available to correspond with OWS service dates?

No

23. The OWS flows to:

Stormwater System

24. Is there evidence of soil erosion or excessive "muddy" water runoff at your facility?

No

Runoff Note:

25. Are there any structural BMPs on site?

No

BMP List:

26. Is there overall evidence of an obvious, non-stormwater discharge to the stormwater drains at this facility?

Yes

Discharge Note:

Fire trucks are washed on a dedicated wash pad that drains to OWS. City owned trucks are washed in front of the station. Wash water drains directly to storm drains.

Other comments or concerns:

AFFF concentrate AST appears to be stainless, single wall construction. Is located on an elevated platform inside building.



CLT - Tenant Inspection

No.
00012

Inspection Details

Facility Name:
Fire Station 17
Inspector Name:
Chris Alexander

Inspection Date:
12/14/2023

Activities listed below are conducted at the airport and have potential to impact storm water.

Industrial Activities

Activity	Current:	Location:	Contracted:	Comments:
Aircraft Deicing	No			
Aircraft Fueling	No			
Aircraft Maintenance	No			
Aircraft Painting/ Stripping	No			
Aircraft Sanitary Service	No			
Aircraft Washing	No			
Cargo Handling	No			
Chemical Storage	Yes	Inside	No	Off the shelf type products equal to or less than 5 -gallon sizes
Equipment Degreasing/ Washing	Yes	Outside	No	Dedicated wash pad
Equipment Maintenance	No			
Equipment Storage	Yes	Inside	No	
Fuel Storage	Yes	Outside	No	
Fire Equipment Testing/ Flushing	No			Trucks tested off-site
Floor Washdown	Yes	Inside	No	As needed
Manufacturing	No			
Outdoor Apron Washdown	No			
Pesticide/Herbicide Use	No			
Potable Water Flushing	No			
Runway Deicing	No			
Runway Rubber Removal	No			
Steam Cleaning	No			
Vehicle Fueling	Yes	Outside	No	
Vehicle Maintenance	No			
Vehicle Painting/ Stripping	No			
Vehicle Washing	Yes	Outside	No	
Water Tank Cleaning/ Washing	No			



CLT - Tenant Inspection

No.
00012

Activity	Current:	Location:	Contracted:	Comments:
Other	No			

Any solid or liquid material used or stored at your facility could have the potential to impact storm water if handled, stored, or used improperly. An inventory of these types of materials is listed below.

Potential Pollutants

Pollutant	Present:	Management: (state storage or management practice)	Comments:
Antifreeze	Yes	Off the shelf type less than 5 gallons	
De-Icing Chemicals	No		
Fuel & Lubricants	Yes		Fueling AST and off the shelf type products less than 5 gallons
Herbicides/Pesticides	No		
Lavatory Waste	No		
Oil and Grease	Yes		Off the shelf type products less than 5 gallons
Paint	No		
Detergents or Washwater	Yes		Biodegradable detergents
Firefighting Agents	Yes		2000 gallon AFFF ast and 900 gallon's between four trucks
Solvent	Yes		Off the shelf type products less than 5 gallons
Used Batteries	No		
Laboratory Chemicals	No		
Perfumes/Dyes	No		
Liquid or Solid Corrosives	No		
Used Vehicle Parts	No		
Parts Cleaners	No		
Other Products	No		
Sediment	No		



Facility Details

Facility Name	Date(s) of Inspection
Fire Station 41	12/19/2023
Address or Area	Representative Participation?
5740-B West Blvd, Charlotte	Yes
Facility Representative	Contact Information (phone and/or email)
Kevin Rink	704-913-4381/ Kevin.rink@charlottenc.gov

Questions

1. Locate the storm drain locations at this facility (quantity/location)

2. Drains are free of debris?

Yes

Debris Note:

3. Are there visible signs of oil sheens leading to storm drains?

No

4. Is there evidence of spills of any kind to storm drains?

No

5. Has the tenant had any spills not previously reported to CLT?

No

Describe Unreported Previous Spill(s):

6. Are there hard pipe connections leading to the storm drains?

No

7. Are floor drains present inside the building?

No



CLT - Semi-annual Stormwater

No.
00027

8. Are any of the below products within 10 feet of a floor drain inside the building or near a grate drain outside the building?

a. Antifreeze

No

b. Batteries or Battery Acid

No

c. Pesticides

No

d. Fertilizers

No

e. Salt or Coal

No

f. Firefighting Foam

No

Does the tenant actively train with AFFF?

No

g. Garbage/Landfills

No

h. Oil Cans or Oil

No

i. Cleaning Agents

No

j. Degreasers

No

k. Sewerage Waste

No

l. Lavatory Chemicals

No

m. Paint/Paint Waste

No

n. De-Icing Fluid

No

9. Listed products (in question 8) should be stored in covered containers in an enclosed area

Yes

Product Storage Note:

10. Are large containers of liquids (over 660 gallons) present at this facility?

Yes

11. Containers over 660 gallons must be either;

Constructed of double-wall materials

12. Is there a secondary AST containment dike (or similar) present outside at this facility?

No

13. Does the dike contain a locking mechanism?

NA

14. Is the mechanism locked?

NA

15. Is there a log (available for review) of water released through the dike containing the date, time and quantity of release?

NA

16. Is there a refuse, scrap, recyclable or other-purposed dumpster in use at this facility?

Yes

Describe:

One 8yrd household dumpster

17. Are vehicles washed outside at the facility?



CLT - Semi-annual Stormwater

No.
00027

No

18. Does the tenant have a wash plan available?

NA

19. Is the vehicle wash water/wastewater collected?

NA

20. Are detergents biodegradable?

NA

Product Name: (See product label or MSDS)

21. Is there an active oil-water separator in use at this facility?

No

22. Does the tenant have manifests available to correspond with OWS service dates?

No

23. The OWS flows to:

Sanitary Sewer

24. Is there evidence of soil erosion or excessive "muddy" water runoff at your facility?

No

Runoff Note:

25. Are there any structural BMPs on site?

Yes

BMP List:

A Bioretention pond at the rear of site

26. Is there overall evidence of an obvious, non-stormwater discharge to the stormwater drains at this facility?

No

Discharge Note:

Other comments or concerns:

There's a AFFF 1200gal firefighter foam on site that they no longer use.

Overall site looks good



CLT - Tenant Inspection

No.
00060

Inspection Details

Facility Name:
Fire Station 41
Inspector Name:
Rick Talley

Inspection Date:
12/18/2023

Activities listed below are conducted at the airport and have potential to impact storm water.

Industrial Activities

Activity	Current:	Location:	Contracted:	Comments:
Aircraft Deicing	No			
Aircraft Fueling	No			
Aircraft Maintenance	No			
Aircraft Painting/ Stripping	No			
Aircraft Sanitary Service	No			
Aircraft Washing	No			
Cargo Handling	No			
Chemical Storage	Yes	Both	No	
Equipment Degreasing/ Washing	Yes	Outside	No	
Equipment Maintenance	No			
Equipment Storage	Yes	Inside		
Fuel Storage	Yes	Outside	No	Fuel tank for the Fire trucks, and it's in a self contained area
Fire Equipment Testing/ Flushing	Yes	Inside	No	
Floor Washdown	No			
Manufacturing	No			
Outdoor Apron Washdown	No			
Pesticide/Herbicide Use	No			
Potable Water Flushing	No			
Runway Deicing	No			
Runway Rubber Removal	No			
Steam Cleaning	No			
Vehicle Fueling	Yes	Outside	No	Fueling the fire trucks
Vehicle Maintenance	No			
Vehicle Painting/ Stripping	No			
Vehicle Washing	Yes	Outside	No	
Water Tank Cleaning/ Washing	No			



CLT - Tenant Inspection

No.
00060

Activity	Current:	Location:	Contracted:	Comments:
Other	No			

Any solid or liquid material used or stored at your facility could have the potential to impact storm water if handled, stored, or used improperly. An inventory of these types of materials is listed below.

Potential Pollutants

Pollutant	Present:	Management: (state storage or management practice)	Comments:
Antifreeze	No		
De-Icing Chemicals	No		
Fuel & Lubricants	Yes	In self contained area	
Herbicides/Pesticides	No		
Lavatory Waste	No		
Oil and Grease	Yes	In self contained area	
Paint	No		
Detergents or Washwater	Yes		
Firefighting Agents	Yes	In a self contained area	
Solvent	No		
Used Batteries	No		
Laboratory Chemicals	No		
Perfumes/Dyes	No		
Liquid or Solid Corrosives	No		
Used Vehicle Parts	No		
Parts Cleaners	No		
Other Products	No		
Sediment	No		



CLT - Semi-annual Stormwater

No.
00037

Facility Details

Facility Name

G2 United GSE

Address or Area

5501 Josh Birmingham Parkway, A21 - A27

Facility Representative

Farrah Fox

Date(s) of Inspection

12/21/2023

Representative Participation?

Yes

Contact Information (phone and/or email)

704-359-6851, Cell 980-666-0057/

ffox@g2securestaff.com

Questions

1. Locate the storm drain locations at this facility (quantity/location)

2. Drains are free of debris?

Yes

Debris Note:

3. Are there visible signs of oil sheens leading to storm drains?

No

4. Is there evidence of spills of any kind to storm drains?

No

5. Has the tenant had any spills not previously reported to CLT?

No

Describe Unreported Previous Spill(s):

6. Are there hard pipe connections leading to the storm drains?

No

7. Are floor drains present inside the building?

No



CLT - Semi-annual Stormwater

No.
00037

8. Are any of the below products within 10 feet of a floor drain inside the building or near a grate drain outside the building?

a. Antifreeze

No

b. Batteries or Battery Acid

No

c. Pesticides

No

d. Fertilizers

No

e. Salt or Coal

No

f. Firefighting Foam

No

Does the tenant actively train with AFFF?

No

g. Garbage/Landfills

No

h. Oil Cans or Oil

No

i. Cleaning Agents

No

j. Degreasers

No

k. Sewerage Waste

No

l. Lavatory Chemicals

No

m. Paint/Paint Waste

No

n. De-Icing Fluid

No

9. Listed products (in question 8) should be stored in covered containers in an enclosed area

Yes

Product Storage Note:

10. Are large containers of liquids (over 660 gallons) present at this facility?

No

11. Containers over 660 gallons must be either;

12. Is there a secondary AST containment dike (or similar) present outside at this facility?

No

13. Does the dike contain a locking mechanism?

NA

14. Is the mechanism locked?

NA

15. Is there a log (available for review) of water released through the dike containing the date, time and quantity of release?

NA

16. Is there a refuse, scrap, recyclable or other-purposed dumpster in use at this facility?

Yes

Describe:

Several 8yrd compactors, CLT maintained

17. Are vehicles washed outside at the facility?



CLT - Semi-annual Stormwater

No.
00037

No

18. Does the tenant have a wash plan available?

NA

19. Is the vehicle wash water/wastewater collected?

NA

20. Are detergents biodegradable?

NA

Product Name: (See product label or MSDS)

21. Is there an active oil-water separator in use at this facility?

No

22. Does the tenant have manifests available to correspond with OWS service dates?

No

23. The OWS flows to:

Unknown

24. Is there evidence of soil erosion or excessive "muddy" water runoff at your facility?

No

Runoff Note:

25. Are there any structural BMPs on site?

No

BMP List:

26. Is there overall evidence of an obvious, non-stormwater discharge to the stormwater drains at this facility?

No

Discharge Note:

Other comments or concerns:

There's a few catch basins that look good, Overall the site looks good.



CLT - Tenant Inspection

No.
00070

Inspection Details

Facility Name:
G2 United GSE/ Ramp A21-A27
Inspector Name:
Rick Talley

Inspection Date:
12/21/2023

Activities listed below are conducted at the airport and have potential to impact storm water.

Industrial Activities

Activity	Current:	Location:	Contracted:	Comments:
Aircraft Deicing	Yes	Outside	Yes	
Aircraft Fueling	Yes	Outside	Yes	
Aircraft Maintenance	No			
Aircraft Painting/ Stripping	No			
Aircraft Sanitary Service	Yes	Outside	Yes	
Aircraft Washing	No			
Cargo Handling	No			
Chemical Storage	No			
Equipment Degreasing/ Washing	No			
Equipment Maintenance	Yes	Outside	No	
Equipment Storage	No			
Fuel Storage	No			
Fire Equipment Testing/ Flushing	No			
Floor Washdown	No			
Manufacturing	No			
Outdoor Apron Washdown	No			
Pesticide/Herbicide Use	No			
Potable Water Flushing	No			
Runway Deicing	No			
Runway Rubber Removal	No			
Steam Cleaning	No			
Vehicle Fueling	No			
Vehicle Maintenance	Yes	Outside	No	
Vehicle Painting/ Stripping	No			
Vehicle Washing	No			
Water Tank Cleaning/ Washing	No			
Other	No			



CLT - Tenant Inspection

Any solid or liquid material used or stored at your facility could have the potential to impact storm water if handled, stored, or used improperly. An inventory of these types of materials is listed below.

Potential Pollutants

Pollutant	Present:	Management: (state storage or management practice)	Comments:
Antifreeze	No		
De-Icing Chemicals	No		
Fuel & Lubricants	Yes		
Herbicides/Pesticides	No		
Lavatory Waste	No		
Oil and Grease	Yes		
Paint	No		
Detergents or Washwater	No		
Firefighting Agents	No		
Solvent	No		
Used Batteries	No		
Laboratory Chemicals	No		
Perfumes/Dyes	No		
Liquid or Solid Corrosives	No		
Used Vehicle Parts	No		
Parts Cleaners	Yes		
Other Products	No		
Sediment	No		



Facility Details

Facility Name

Hi-Way Paving

Address or Area

4901 Hangar Rd

Facility Representative

Kyle Vaughn

Date(s) of Inspection

11-10-23

Representative Participation?

Yes

Contact Information (phone and/or email)

kvaughn@hiwaypaving.com

Questions

1. Locate the storm drain locations at this facility (quantity/location)

2. Drains are free of debris?

Yes

Debris Note:

No storm drains present.

3. Are there visible signs of oil sheens leading to storm drains?

No

4. Is there evidence of spills of any kind to storm drains?

No

5. Has the tenant had any spills not previously reported to CLT?

No

Describe Unreported Previous Spill(s):

6. Are there hard pipe connections leading to the storm drains?

No

7. Are floor drains present inside the building?

No



CLT - Semi-annual Stormwater

No.
00009

8. Are any of the below products within 10 feet of a floor drain inside the building or near a grate drain outside the building?

a. Antifreeze

No

b. Batteries or Battery Acid

No

c. Pesticides

No

d. Fertilizers

No

e. Salt or Coal

No

f. Firefighting Foam

No

Does the tenant actively train with AFFF?

No

g. Garbage/Landfills

No

h. Oil Cans or Oil

No

i. Cleaning Agents

No

j. Degreasers

No

k. Sewerage Waste

No

l. Lavatory Chemicals

No

m. Paint/Paint Waste

No

n. De-Icing Fluid

No

9. Listed products (in question 8) should be stored in covered containers in an enclosed area

Yes

Product Storage Note:

All applicable products are off the shelf type and stored within secondary containment.

10. Are large containers of liquids (over 660 gallons) present at this facility?

Yes

11. Containers over 660 gallons must be either;

Stored within a secondary containment structure

12. Is there a secondary AST containment dike (or similar) present outside at this facility?

Yes

13. Does the dike contain a locking mechanism?

No

14. Is the mechanism locked?

NA

15. Is there a log (available for review) of water released through the dike containing the date, time and quantity of release?

NA

16. Is there a refuse, scrap, recyclable or other-purposed dumpster in use at this facility?

Yes

Describe:

Roll-off dumpsters. Missing covers.

17. Are vehicles washed outside at the facility?



CLT - Semi-annual Stormwater

No.
00009

No

18. Does the tenant have a wash plan available?

NA

19. Is the vehicle wash water/wastewater collected?

NA

20. Are detergents biodegradable?

NA

Product Name: (See product label or MSDS)

21. Is there an active oil-water separator in use at this facility?

No

22. Does the tenant have manifests available to correspond with OWS service dates?

No

23. The OWS flows to:

24. Is there evidence of soil erosion or excessive "muddy" water runoff at your facility?

No

Runoff Note:

Active construction sites.

25. Are there any structural BMPs on site?

No

BMP List:

26. Is there overall evidence of an obvious, non-stormwater discharge to the stormwater drains at this facility?

No

Discharge Note:

Other comments or concerns:

Active construction sites are open with large expanses of exposed soils. However no erosional issue were observed and current practices for controlling run off and sediment appear to be effective.



CLT - Tenant Inspection

No.
00009

Inspection Details

Facility Name:
HI-Way Paving
Inspector Name:
Chris Alexander

Inspection Date:
11/10/2023

Activities listed below are conducted at the airport and have potential to impact storm water.

Industrial Activities

Activity	Current:	Location:	Contracted:	Comments:
Aircraft Deicing	No			
Aircraft Fueling	No			
Aircraft Maintenance	No			
Aircraft Painting/ Stripping	No			
Aircraft Sanitary Service	No			
Aircraft Washing	No			
Cargo Handling	No			
Chemical Storage	Yes	Both	No	
Equipment Degreasing/ Washing	No			
Equipment Maintenance	Yes	Both	No	Light to moderate maintenance only. Heavy maintenance conducted off site.
Equipment Storage	Yes	Both	No	
Fuel Storage	Yes	Outside	No	
Fire Equipment Testing/ Flushing	No			
Floor Washdown	No			
Manufacturing	Yes	Outside	No	Concrete batch plant.
Outdoor Apron Washdown	No			
Pesticide/Herbicide Use	No			
Potable Water Flushing	No			
Runway Deicing	No			
Runway Rubber Removal	No			
Steam Cleaning	No			
Vehicle Fueling	Yes	Outside	No	
Vehicle Maintenance	Yes	Both	No	Light to moderate maintenance only. Heavy maintenance is conducted off site.
Vehicle Painting/	No			



CLT - Tenant Inspection

No.
00009

Activity	Current:	Location:	Contracted:	Comments:
Stripping				
Vehicle Washing	No			
Water Tank Cleaning/ Washing	No			
Other	No			

Any solid or liquid material used or stored at your facility could have the potential to impact storm water if handled, stored, or used improperly. An inventory of these types of materials is listed below.

Potential Pollutants

Pollutant	Present:	Management: (state storage or management practice)	Comments:
Antifreeze	Yes	Off the shelf type products stored within secondary containment.	
De-Icing Chemicals	No		
Fuel & Lubricants	Yes	Off the shelf type products stored within secondary containment.	
Herbicides/Pesticides	No		
Lavatory Waste	No		
Oil and Grease	Yes	Off the shelf type products stored within secondary containment.	
Paint	No		
Detergents or Washwater	No		
Firefighting Agents	No		
Solvent	Yes	Off the shelf type products stored within secondary containment.	
Used Batteries	No	Used batteries are sent back to manufacturer.	
Laboratory Chemicals	No		
Perfumes/Dyes	No		
Liquid or Solid Corrosives	No		
Used Vehicle Parts	No		
Parts Cleaners	No		
Other Products	No		
Sediment	Yes	Sites are largely under construction so dust and sediment is being generated. However sufficient precautions are being taken to minimize erosion and spreading of sediment.	



CLT - Semi-annual Stormwater

No.
00025

Facility Details

Facility Name

HMS Host

Address or Area

4800-A West Blvd

Facility Representative

Andrew Mccann

Date(s) of Inspection

12/18/23

Representative Participation?

Yes

Contact Information (phone and/or email)

Andrew.mccann@hmshost.com

Questions

1. Locate the storm drain locations at this facility (quantity/location)

2. Drains are free of debris?

Yes

Debris Note:

3. Are there visible signs of oil sheens leading to storm drains?

No

4. Is there evidence of spills of any kind to storm drains?

No

5. Has the tenant had any spills not previously reported to CLT?

No

Describe Unreported Previous Spill(s):

6. Are there hard pipe connections leading to the storm drains?

No

7. Are floor drains present inside the building?

No



CLT - Semi-annual Stormwater

No.
00025

8. Are any of the below products within 10 feet of a floor drain inside the building or near a grate drain outside the building?

a. Antifreeze

No

b. Batteries or Battery Acid

No

c. Pesticides

No

d. Fertilizers

No

e. Salt or Coal

No

f. Firefighting Foam

No

Does the tenant actively train with AFFF?

No

g. Garbage/Landfills

No

h. Oil Cans or Oil

No

i. Cleaning Agents

No

j. Degreasers

No

k. Sewerage Waste

No

l. Lavatory Chemicals

No

m. Paint/Paint Waste

No

n. De-Icing Fluid

No

9. Listed products (in question 8) should be stored in covered containers in an enclosed area

Yes

Product Storage Note:

10. Are large containers of liquids (over 660 gallons) present at this facility?

No

11. Containers over 660 gallons must be either;

12. Is there a secondary AST containment dike (or similar) present outside at this facility?

No

13. Does the dike contain a locking mechanism?

NA

14. Is the mechanism locked?

NA

15. Is there a log (available for review) of water released through the dike containing the date, time and quantity of release?

NA

16. Is there a refuse, scrap, recyclable or other-purposed dumpster in use at this facility?

Yes

Describe:

One 30yrd rolloff dumpster, household

17. Are vehicles washed outside at the facility?



CLT - Semi-annual Stormwater

No.
00025

No

18. Does the tenant have a wash plan available?

NA

19. Is the vehicle wash water/wastewater collected?

NA

20. Are detergents biodegradable?

NA

Product Name: (See product label or MSDS)

21. Is there an active oil-water separator in use at this facility?

No

22. Does the tenant have manifests available to correspond with OWS service dates?

No

23. The OWS flows to:

Unknown

24. Is there evidence of soil erosion or excessive "muddy" water runoff at your facility?

No

Runoff Note:

25. Are there any structural BMPs on site?

No

BMP List:

26. Is there overall evidence of an obvious, non-stormwater discharge to the stormwater drains at this facility?

No

Discharge Note:

Other comments or concerns:

Overall the Site looks good.

Andrew wasn't available, Lee Wings was there and very helpful.



CLT - Tenant Inspection

No.
00058

Inspection Details

Facility Name:

HMS Host

Inspection Date:

12/18/2023

Inspector Name:

Rick Talley

Activities listed below are conducted at the airport and have potential to impact storm water.

Industrial Activities

Activity	Current:	Location:	Contracted:	Comments:
Aircraft Deicing	No			
Aircraft Fueling	No			
Aircraft Maintenance	No			
Aircraft Painting/ Stripping	No			
Aircraft Sanitary Service	No			
Aircraft Washing	No			
Cargo Handling	Yes	Inside	No	
Chemical Storage	No			
Equipment Degreasing/ Washing	No			
Equipment Maintenance	No			
Equipment Storage	Yes	Inside	No	
Fuel Storage	No			
Fire Equipment Testing/ Flushing	No			
Floor Washdown	No			
Manufacturing	No			
Outdoor Apron Washdown	No			
Pesticide/Herbicide Use	No			
Potable Water Flushing	No			
Runway Deicing	No			
Runway Rubber Removal	No			
Steam Cleaning	No			
Vehicle Fueling	No			
Vehicle Maintenance	No			
Vehicle Painting/ Stripping	No			
Vehicle Washing	No			
Water Tank Cleaning/ Washing	No			
Other	No			



CLT - Tenant Inspection

No.
00058

Any solid or liquid material used or stored at your facility could have the potential to impact storm water if handled, stored, or used improperly. An inventory of these types of materials is listed below.

Potential Pollutants

Pollutant	Present:	Management: (state storage or management practice)	Comments:
Antifreeze	No		
De-Icing Chemicals	No		
Fuel & Lubricants	No		
Herbicides/Pesticides	No		
Lavatory Waste	No		
Oil and Grease	No		
Paint	No		
Detergents or Washwater	No		
Firefighting Agents	No		
Solvent	No		
Used Batteries	No		
Laboratory Chemicals	No		
Perfumes/Dyes	No		
Liquid or Solid Corrosives	No		
Used Vehicle Parts	No		
Parts Cleaners	No		
Other Products	No		
Sediment	No		



CLT - Semi-annual Stormwater

No.
00002

Facility Details

Facility Name

Honeywell

Address or Area

4672 First Flight Dr

Facility Representative

Allan Johnstone

Date(s) of Inspection

10-30-23

Representative Participation?

Yes

Contact Information (phone and/or email)

robert.johnstone@honeywell.com

Questions

1. Locate the storm drain locations at this facility (quantity/location)

2. Drains are free of debris?

Yes

Debris Note:

Only leaves.

3. Are there visible signs of oil sheens leading to storm drains?

No

4. Is there evidence of spills of any kind to storm drains?

No

5. Has the tenant had any spills not previously reported to CLT?

No

Describe Unreported Previous Spill(s):

6. Are there hard pipe connections leading to the storm drains?

No

7. Are floor drains present inside the building?

Yes



CLT - Semi-annual Stormwater

No.
00002

8. Are any of the below products within 10 feet of a floor drain inside the building or near a grate drain outside the building?

a. Antifreeze

No

b. Batteries or Battery Acid

No

c. Pesticides

No

d. Fertilizers

No

e. Salt or Coal

No

f. Firefighting Foam

No

Does the tenant actively train with AFFF?

No

g. Garbage/Landfills

No

h. Oil Cans or Oil

No

i. Cleaning Agents

No

j. Degreasers

No

k. Sewerage Waste

No

l. Lavatory Chemicals

No

m. Paint/Paint Waste

No

n. De-Icing Fluid

No

9. Listed products (in question 8) should be stored in covered containers in an enclosed area

Yes

Product Storage Note:

All nonfuel products are stored in appropriate containers and in secondary containment lockers away from storm and floor drains.

10. Are large containers of liquids (over 660 gallons) present at this facility?

Yes

11. Containers over 660 gallons must be either;

Stored within a secondary containment structure

12. Is there a secondary AST containment dike (or similar) present outside at this facility?

Yes

13. Does the dike contain a locking mechanism?

NA

14. Is the mechanism locked?

NA

15. Is there a log (available for review) of water released through the dike containing the date, time and quantity of release?

No

16. Is there a refuse, scrap, recyclable or other-purposed dumpster in use at this facility?

Yes

Describe:

Two lidded dumpsters for cardboard and general refuse.



CLT - Semi-annual Stormwater

No.
00002

17. Are vehicles washed outside at the facility?

No

18. Does the tenant have a wash plan available?

NA

19. Is the vehicle wash water/wastewater collected?

NA

20. Are detergents biodegradable?

NA

Product Name: (See product label or MSDS)

21. Is there an active oil-water separator in use at this facility?

Yes

What is the cleanout frequency?

As needed and had not been performed since taking ownership.

22. Does the tenant have manifests available to correspond with OWS service dates?

No

23. The OWS flows to:

Unknown

24. Is there evidence of soil erosion or excessive "muddy" water runoff at your facility?

No

Runoff Note:

25. Are there any structural BMPs on site?

No

BMP List:

26. Is there overall evidence of an obvious, non-stormwater discharge to the stormwater drains at this facility?

No

Discharge Note:

Other comments or concerns:

OWS was cleaned out by airport prior to tenant occupancy and has not been needed yet. Responsible for (4) 15k-gal jet fuel ASTs in shared fuel farm with dedicated secondary containment and OWS.



CLT - Tenant Inspection

No.
00002

Inspection Details

Facility Name:

Honeywell

Inspection Date:

10/30/2023

Inspector Name:

Chris Alexander

Activities listed below are conducted at the airport and have potential to impact storm water.

Industrial Activities

Activity	Current:	Location:	Contracted:	Comments:
Aircraft Deicing	No			
Aircraft Fueling	Yes	Outside	No	Have fueling island supplies by FF and one 5k mobile truck.
Aircraft Maintenance	Yes	Inside	No	
Aircraft Painting/ Stripping	No			
Aircraft Sanitary Service	Yes	Inside	No	
Aircraft Washing	No			
Cargo Handling	No			
Chemical Storage	Yes	Inside	No	
Equipment Degreasing/ Washing	Yes	Inside	No	
Equipment Maintenance	Yes	Inside	No	
Equipment Storage	Yes	Inside	No	
Fuel Storage	Yes	Outside	No	
Fire Equipment Testing/ Flushing	No			
Floor Washdown	No			
Manufacturing	No			
Outdoor Apron Washdown	No			
Pesticide/Herbicide Use	No			
Potable Water Flushing	No			
Runway Deicing	No			
Runway Rubber Removal	No			
Steam Cleaning	No			
Vehicle Fueling	Yes	Outside	No	
Vehicle Maintenance	Yes	Inside	No	
Vehicle Painting/ Stripping	No			
Vehicle Washing	No			
Water Tank Cleaning/ Washing	No			



CLT - Tenant Inspection

No.
00002

Activity	Current:	Location:	Contracted:	Comments:
Other	No			

Any solid or liquid material used or stored at your facility could have the potential to impact storm water if handled, stored, or used improperly. An inventory of these types of materials is listed below.

Potential Pollutants

Pollutant	Present:	Management: (state storage or management practice)	Comments:
Antifreeze	No		
De-Icing Chemicals	No		
Fuel & Lubricants	Yes	Oil and Aerosol type penetrants and lubricants kept in secondary containment lockers.	
Herbicides/Pesticides	No		
Lavatory Waste	No		
Oil and Grease	Yes	Kept In appropriate containers on secondary containment.	
Paint	Yes	Stored in appropriate containers in secondary containment lockers.	
Detergents or Washwater	No		
Firefighting Agents	Yes	Dry chemical extinguishers only.	
Solvent	Yes	Aerosol type cans stored in secondary containment lockers.	
Used Batteries	Yes	Incidental few batteries awaiting core disposal at auto parts store.	
Laboratory Chemicals	No		
Perfumes/Dyes	No		
Liquid or Solid Corrosives	No		
Used Vehicle Parts	No		
Parts Cleaners	Yes	<5 gallons. Small bench top unit.	
Other Products	No		
Sediment	No		



CLT - Semi-annual Stormwater

No.
00006

Facility Details

Facility Name

IDS

Address or Area

4850 Express Dr

Facility Representative

Phil Barefoot, Operations Manager

Date(s) of Inspection

11-8-23

Representative Participation?

Yes

Contact Information (phone and/or email)

philb@idsllc.aero

Questions

1. Locate the storm drain locations at this facility (quantity/location)

2. Drains are free of debris?

Yes

Debris Note:

Minimal sediment in drains

3. Are there visible signs of oil sheens leading to storm drains?

No

4. Is there evidence of spills of any kind to storm drains?

No

5. Has the tenant had any spills not previously reported to CLT?

No

Describe Unreported Previous Spill(s):

6. Are there hard pipe connections leading to the storm drains?

No

7. Are floor drains present inside the building?

Yes



CLT - Semi-annual Stormwater

No.
00006

8. Are any of the below products within 10 feet of a floor drain inside the building or near a grate drain outside the building?

a. Antifreeze

No

b. Batteries or Battery Acid

No

c. Pesticides

No

d. Fertilizers

No

e. Salt or Coal

No

f. Firefighting Foam

No

Does the tenant actively train with AFFF?

No

g. Garbage/Landfills

No

h. Oil Cans or Oil

No

i. Cleaning Agents

No

j. Degreasers

No

k. Sewerage Waste

No

l. Lavatory Chemicals

No

m. Paint/Paint Waste

No

n. De-Icing Fluid

No

9. Listed products (in question 8) should be stored in covered containers in an enclosed area

Yes

Product Storage Note:

All products are off the shelf type and stored in secondary containments.

10. Are large containers of liquids (over 660 gallons) present at this facility?

Yes

11. Containers over 660 gallons must be either;

Constructed of double-wall materials

12. Is there a secondary AST containment dike (or similar) present outside at this facility?

Yes

13. Does the dike contain a locking mechanism?

No

14. Is the mechanism locked?

NA

15. Is there a log (available for review) of water released through the dike containing the date, time and quantity of release?

NA

16. Is there a refuse, scrap, recyclable or other-purposed dumpster in use at this facility?

Yes

Describe:

Lidded dumpsters for general refuse.

17. Are vehicles washed outside at the facility?



CLT - Semi-annual Stormwater

No.
00006

No

18. Does the tenant have a wash plan available?

NA

19. Is the vehicle wash water/wastewater collected?

NA

20. Are detergents biodegradable?

NA

Product Name: (See product label or MSDS)

21. Is there an active oil-water separator in use at this facility?

No

22. Does the tenant have manifests available to correspond with OWS service dates?

No

23. The OWS flows to:

Unknown

24. Is there evidence of soil erosion or excessive "muddy" water runoff at your facility?

No

Runoff Note:

25. Are there any structural BMPs on site?

No

BMP List:

Drop ins to piping only.

26. Is there overall evidence of an obvious, non-stormwater discharge to the stormwater drains at this facility?

No

Discharge Note:

Other comments or concerns:



CLT - Tenant Inspection

No.
00006

Inspection Details

Facility Name:

IDS

Inspection Date:

11/08/2023

Inspector Name:

Chris Alexander

Activities listed below are conducted at the airport and have potential to impact storm water.

Industrial Activities

Activity	Current:	Location:	Contracted:	Comments:
Aircraft Deicing	Yes	Outside	No	Primary business is deicing.
Aircraft Fueling	No			
Aircraft Maintenance	No			
Aircraft Painting/ Stripping	No			
Aircraft Sanitary Service	No			
Aircraft Washing	No			
Cargo Handling	No			
Chemical Storage	Yes	Outside	No	For Deicing and Antilcing fluids - Five (5) 30k-gal, double-walled ASTs with secondary containment, one (1) 70k-gal AST not in use (staged for future development)
Equipment Degreasing/ Washing	No			spot cleaning as needed
Equipment Maintenance	Yes	Inside	No	
Equipment Storage	Yes	Both	No	
Fuel Storage	No			
Fire Equipment Testing/ Flushing	No			
Floor Washdown	No			Spot cleaning as needed
Manufacturing	No			
Outdoor Apron Washdown	No			
Pesticide/Herbicide Use	No			
Potable Water Flushing	No			
Runway Deicing	No			
Runway Rubber Removal	No			
Steam Cleaning	No			
Vehicle Fueling	Yes	Outside	No	
Vehicle Maintenance	Yes	Inside	No	



CLT - Tenant Inspection

No.
00006

Activity	Current:	Location:	Contracted:	Comments:
Vehicle Painting/ Stripping	No			
Vehicle Washing	Yes	Outside	No	incidental spot cleaning
Water Tank Cleaning/ Washing	No			
Other	No			

Any solid or liquid material used or stored at your facility could have the potential to impact storm water if handled, stored, or used improperly. An inventory of these types of materials is listed below.

Potential Pollutants

Pollutant	Present:	Management: (state storage or management practice)	Comments:
Antifreeze	Yes	Stored in appropriate containers within secondary containment	
De-Icing Chemicals	Yes	Stored in double-walled ASTs with additional secondary containment.	
Fuel & Lubricants	Yes	Stored in appropriate containers within secondary containment	Off the shelf sized products
Herbicides/Pesticides	No		
Lavatory Waste	No		
Oil and Grease	Yes	Stored in appropriate containers within secondary containment	Off the shelf type containers
Paint	No		
Detergents or Washwater	No		
Firefighting Agents	No		
Solvent	Yes	Stored in appropriate containers within secondary containment	Off the shelf type products
Used Batteries	No		
Laboratory Chemicals	No		
Perfumes/Dyes	No		
Liquid or Solid Corrosives	No		
Used Vehicle Parts	No		
Parts Cleaners	No		
Other Products	No		
Sediment	No		minimal sediment in drains



Facility Details

Facility Name

Jetstream / Southwest A24

Address or Area

5501 Josh Birmingham Parkway

Facility Representative

Darrel Butler/ Demond Smalls

Date(s) of Inspection

1/8/24

Representative Participation?

Yes

Contact Information (phone and/or email)

Darrel / 704-277-7308/dbutler@jetstreamgs.com
Demond/704-968-1153/ dsmalls@jetstreamgs.com

Questions

1. Locate the storm drain locations at this facility (quantity/location)

2. Drains are free of debris?

Yes

Debris Note:

3. Are there visible signs of oil sheens leading to storm drains?

No

4. Is there evidence of spills of any kind to storm drains?

No

5. Has the tenant had any spills not previously reported to CLT?

No

Describe Unreported Previous Spill(s):

6. Are there hard pipe connections leading to the storm drains?

No

7. Are floor drains present inside the building?

No



CLT - Semi-annual Stormwater

No.
00051

8. Are any of the below products within 10 feet of a floor drain inside the building or near a grate drain outside the building?

a. Antifreeze

No

b. Batteries or Battery Acid

No

c. Pesticides

No

d. Fertilizers

No

e. Salt or Coal

No

f. Firefighting Foam

No

Does the tenant actively train with AFFF?

No

g. Garbage/Landfills

No

h. Oil Cans or Oil

No

i. Cleaning Agents

No

j. Degreasers

No

k. Sewerage Waste

No

l. Lavatory Chemicals

No

m. Paint/Paint Waste

No

n. De-Icing Fluid

No

9. Listed products (in question 8) should be stored in covered containers in an enclosed area

Yes

Product Storage Note:

10. Are large containers of liquids (over 660 gallons) present at this facility?

No

11. Containers over 660 gallons must be either;

12. Is there a secondary AST containment dike (or similar) present outside at this facility?

No

13. Does the dike contain a locking mechanism?

NA

14. Is the mechanism locked?

NA

15. Is there a log (available for review) of water released through the dike containing the date, time and quantity of release?

NA

16. Is there a refuse, scrap, recyclable or other-purposed dumpster in use at this facility?

Yes

Describe:

There's 3 8yrd compactors that's maintained by the City

17. Are vehicles washed outside at the facility?



CLT - Semi-annual Stormwater

No.
00051

No

18. Does the tenant have a wash plan available?

NA

19. Is the vehicle wash water/wastewater collected?

NA

20. Are detergents biodegradable?

NA

Product Name: (See product label or MSDS)

21. Is there an active oil-water separator in use at this facility?

No

22. Does the tenant have manifests available to correspond with OWS service dates?

No

23. The OWS flows to:

Unknown

24. Is there evidence of soil erosion or excessive "muddy" water runoff at your facility?

No

Runoff Note:

25. Are there any structural BMPs on site?

No

BMP List:

26. Is there overall evidence of an obvious, non-stormwater discharge to the stormwater drains at this facility?

No

Discharge Note:

Other comments or concerns:

Overall site looks good



CLT - Tenant Inspection

No.
00073

Inspection Details

Facility Name:
Jetstream / Southwest (A24)
Inspector Name:
Rick Talley

Inspection Date:
01/08/2024

Activities listed below are conducted at the airport and have potential to impact storm water.

Industrial Activities

Activity	Current:	Location:	Contracted:	Comments:
Aircraft Deicing	Yes	Outside	Yes	
Aircraft Fueling	Yes	Outside	Yes	
Aircraft Maintenance	No			
Aircraft Painting/ Stripping	No			
Aircraft Sanitary Service	Yes	Outside		
Aircraft Washing	No			
Cargo Handling	Yes	Both	No	
Chemical Storage	No			
Equipment Degreasing/ Washing	No			
Equipment Maintenance	Yes	Both	No	Minor equipment repairs
Equipment Storage	No			
Fuel Storage	No			
Fire Equipment Testing/ Flushing	No			
Floor Washdown	No			
Manufacturing	No			
Outdoor Apron Washdown	No			
Pesticide/Herbicide Use	No			
Potable Water Flushing	No			
Runway Deicing	No			
Runway Rubber Removal	No			
Steam Cleaning	No			
Vehicle Fueling	No			
Vehicle Maintenance	No			
Vehicle Painting/ Stripping	No			
Vehicle Washing	No			
Water Tank Cleaning/ Washing	No			
Other	No			



CLT - Tenant Inspection

Any solid or liquid material used or stored at your facility could have the potential to impact storm water if handled, stored, or used improperly. An inventory of these types of materials is listed below.

Potential Pollutants

Pollutant	Present:	Management: (state storage or management practice)	Comments:
Antifreeze	No		
De-Icing Chemicals	No		
Fuel & Lubricants	No		
Herbicides/Pesticides	No		
Lavatory Waste	No		
Oil and Grease	Yes	Stored in a containment area	
Paint	No		
Detergents or Washwater	No		
Firefighting Agents	No		
Solvent	No		
Used Batteries	No		
Laboratory Chemicals	No		
Perfumes/Dyes	No		
Liquid or Solid Corrosives	No		
Used Vehicle Parts	No		
Parts Cleaners	No		
Other Products	No		
Sediment	No		



CLT - Semi-annual Stormwater

No.
00026

Facility Details

Facility Name

LSG Sky Chefs

Address or Area

4710 Yorkmont Rd

Facility Representative

Al Pesa

Date(s) of Inspection

12/18/2023

Representative Participation?

Yes

Contact Information (phone and/or email)

Al.pesa@lsgskychefs.com

Questions

1. Locate the storm drain locations at this facility (quantity/location)

2. Drains are free of debris?

Yes

Debris Note:

3. Are there visible signs of oil sheens leading to storm drains?

No

4. Is there evidence of spills of any kind to storm drains?

No

5. Has the tenant had any spills not previously reported to CLT?

No

Describe Unreported Previous Spill(s):

6. Are there hard pipe connections leading to the storm drains?

No

7. Are floor drains present inside the building?

Yes



CLT - Semi-annual Stormwater

No.
00026

8. Are any of the below products within 10 feet of a floor drain inside the building or near a grate drain outside the building?

a. Antifreeze

No

b. Batteries or Battery Acid

No

c. Pesticides

No

d. Fertilizers

No

e. Salt or Coal

No

f. Firefighting Foam

No

Does the tenant actively train with AFFF?

No

g. Garbage/Landfills

No

h. Oil Cans or Oil

No

i. Cleaning Agents

No

j. Degreasers

No

k. Sewerage Waste

No

l. Lavatory Chemicals

No

m. Paint/Paint Waste

No

n. De-Icing Fluid

No

9. Listed products (in question 8) should be stored in covered containers in an enclosed area

Yes

Product Storage Note:

10. Are large containers of liquids (over 660 gallons) present at this facility?

No

11. Containers over 660 gallons must be either;

12. Is there a secondary AST containment dike (or similar) present outside at this facility?

No

13. Does the dike contain a locking mechanism?

NA

14. Is the mechanism locked?

NA

15. Is there a log (available for review) of water released through the dike containing the date, time and quantity of release?

NA

16. Is there a refuse, scrap, recyclable or other-purposed dumpster in use at this facility?

Yes

Describe:

A household dumpster

17. Are vehicles washed outside at the facility?



CLT - Semi-annual Stormwater

No.
00026

No

18. Does the tenant have a wash plan available?

NA

19. Is the vehicle wash water/wastewater collected?

NA

20. Are detergents biodegradable?

NA

Product Name: (See product label or MSDS)

21. Is there an active oil-water separator in use at this facility?

No

22. Does the tenant have manifests available to correspond with OWS service dates?

No

23. The OWS flows to:

Unknown

24. Is there evidence of soil erosion or excessive "muddy" water runoff at your facility?

No

Runoff Note:

25. Are there any structural BMPs on site?

No

BMP List:

26. Is there overall evidence of an obvious, non-stormwater discharge to the stormwater drains at this facility?

No

Discharge Note:

Other comments or concerns:

All of the Floor drains go to the sanitary sewer.

Overall site looks good



CLT - Tenant Inspection

No.
00059

Inspection Details

Facility Name:
LSG Sky Chefs
Inspector Name:
Rick Talley

Inspection Date:
12/18/2023

Activities listed below are conducted at the airport and have potential to impact storm water.

Industrial Activities

Activity	Current:	Location:	Contracted:	Comments:
Aircraft Deicing	No			
Aircraft Fueling	No			
Aircraft Maintenance	No			
Aircraft Painting/ Stripping	No			
Aircraft Sanitary Service	No			
Aircraft Washing	No			
Cargo Handling	No			
Chemical Storage	No			
Equipment Degreasing/ Washing	No			
Equipment Maintenance	No			
Equipment Storage	No			
Fuel Storage	No			
Fire Equipment Testing/ Flushing	No			
Floor Washdown	No			
Manufacturing	No			
Outdoor Apron Washdown	No			
Pesticide/Herbicide Use	No			
Potable Water Flushing	No			
Runway Deicing	No			
Runway Rubber Removal	No			
Steam Cleaning	No			
Vehicle Fueling	No			
Vehicle Maintenance	No			
Vehicle Painting/ Stripping	No			
Vehicle Washing	No			
Water Tank Cleaning/ Washing	No			
Other	No			



CLT - Tenant Inspection

Any solid or liquid material used or stored at your facility could have the potential to impact storm water if handled, stored, or used improperly. An inventory of these types of materials is listed below.

Potential Pollutants

Pollutant	Present:	Management: (state storage or management practice)	Comments:
Antifreeze	No		
De-Icing Chemicals	No		
Fuel & Lubricants	No		
Herbicides/Pesticides	No		
Lavatory Waste	No		
Oil and Grease	No		
Paint	No		
Detergents or Washwater	No		
Firefighting Agents	No		
Solvent	No		
Used Batteries	No		
Laboratory Chemicals	No		
Perfumes/Dyes	No		
Liquid or Solid Corrosives	No		
Used Vehicle Parts	No		
Parts Cleaners	No		
Other Products	No		
Sediment	No		



CLT - Semi-annual Stormwater

No.
00010

Facility Details

Facility Name

Matheson

Address or Area

3628 Yorkmont Rd

Facility Representative

Paul Viers

Date(s) of Inspection

11-16-23

Representative Participation?

Yes

Contact Information (phone and/or email)

PViers@mathesoninc.com

Questions

1. Locate the storm drain locations at this facility (quantity/location)

2. Drains are free of debris?

No

Debris Note:

Interior floor drain on south side of building occluded.

3. Are there visible signs of oil sheens leading to storm drains?

No

4. Is there evidence of spills of any kind to storm drains?

No

5. Has the tenant had any spills not previously reported to CLT?

No

Describe Unreported Previous Spill(s):

6. Are there hard pipe connections leading to the storm drains?

No

7. Are floor drains present inside the building?

Yes



CLT - Semi-annual Stormwater

No.
00010

8. Are any of the below products within 10 feet of a floor drain inside the building or near a grate drain outside the building?

a. Antifreeze

No

b. Batteries or Battery Acid

No

c. Pesticides

No

d. Fertilizers

No

e. Salt or Coal

No

f. Firefighting Foam

No

Does the tenant actively train with AFFF?

No

g. Garbage/Landfills

No

h. Oil Cans or Oil

No

i. Cleaning Agents

Yes

j. Degreasers

No

k. Sewerage Waste

No

l. Lavatory Chemicals

No

m. Paint/Paint Waste

No

n. De-Icing Fluid

No

9. Listed products (in question 8) should be stored in covered containers in an enclosed area

Yes

Product Storage Note:

Off the shelf cleaning supplies.

10. Are large containers of liquids (over 660 gallons) present at this facility?

No

11. Containers over 660 gallons must be either;

12. Is there a secondary AST containment dike (or similar) present outside at this facility?

No

13. Does the dike contain a locking mechanism?

NA

14. Is the mechanism locked?

NA

15. Is there a log (available for review) of water released through the dike containing the date, time and quantity of release?

NA

16. Is there a refuse, scrap, recyclable or other-purposed dumpster in use at this facility?

Yes

Describe:

General refuse lidded dumpster.

17. Are vehicles washed outside at the facility?



CLT - Semi-annual Stormwater

No.
00010

No

18. Does the tenant have a wash plan available?

NA

19. Is the vehicle wash water/wastewater collected?

NA

20. Are detergents biodegradable?

NA

Product Name: (See product label or MSDS)

21. Is there an active oil-water separator in use at this facility?

No

22. Does the tenant have manifests available to correspond with OWS service dates?

No

23. The OWS flows to:

Unknown

24. Is there evidence of soil erosion or excessive "muddy" water runoff at your facility?

No

Runoff Note:

25. Are there any structural BMPs on site?

No

BMP List:

26. Is there overall evidence of an obvious, non-stormwater discharge to the stormwater drains at this facility?

No

Discharge Note:

Other comments or concerns:

Mail sorting is the tenant's primary purpose.



CLT - Tenant Inspection

No.
00010

Inspection Details

Facility Name:

Matheson

Inspection Date:

11/16/2023

Inspector Name:

Chris Alexander

Activities listed below are conducted at the airport and have potential to impact storm water.

Industrial Activities

Activity	Current:	Location:	Contracted:	Comments:
Aircraft Deicing	No			
Aircraft Fueling	No			
Aircraft Maintenance	No			
Aircraft Painting/ Stripping	No			
Aircraft Sanitary Service	No			
Aircraft Washing	No			
Cargo Handling	Yes	Inside	No	Mail sorting includes small packages and mail is moved on pallets in sacks.
Chemical Storage	No			
Equipment Degreasing/ Washing	No			
Equipment Maintenance	No			All maintenance is conducted by 3rd party, offsite.
Equipment Storage	Yes	Inside	No	
Fuel Storage	No			
Fire Equipment Testing/ Flushing	No			
Floor Washdown	No			
Manufacturing	No			
Outdoor Apron Washdown	No			
Pesticide/Herbicide Use	Yes	Both	No	Incidental treatments via off the shelf type product. 1 gallon or less onsite.
Potable Water Flushing	No			
Runway Deicing	No			
Runway Rubber Removal	No			
Steam Cleaning	No			
Vehicle Fueling	Yes	Both	Yes	Tugs fueled by Menzies.
Vehicle Maintenance	No			



CLT - Tenant Inspection

No.
00010

Activity	Current:	Location:	Contracted:	Comments:
Vehicle Painting/ Stripping	No			
Vehicle Washing	No			
Water Tank Cleaning/ Washing	No			
Other	No			

Any solid or liquid material used or stored at your facility could have the potential to impact storm water if handled, stored, or used improperly. An inventory of these types of materials is listed below.

Potential Pollutants

Pollutant	Present:	Management: (state storage or management practice)	Comments:
Antifreeze	No		
De-Icing Chemicals	No		
Fuel & Lubricants	No		
Herbicides/Pesticides	Yes	Off the shelf type product stored in cleaning closet. 1 gallon or less.	
Lavatory Waste	No		
Oil and Grease	No		
Paint	No		
Detergents or Washwater	No		
Firefighting Agents	No		
Solvent	No		
Used Batteries	No		
Laboratory Chemicals	No		
Perfumes/Dyes	No		
Liquid or Solid Corrosives	No		
Used Vehicle Parts	No		
Parts Cleaners	No		
Other Products	No		
Sediment	No		



CLT - Semi-annual Stormwater

No.
00004

Facility Details

Facility Name	Date(s) of Inspection
Menzies Fuel Farm	10-31-24
Address or Area	Representative Participation?
6502 Old Dowd Rd.	Yes
Facility Representative	Contact Information (phone and/or email)
Charles Gabb	Charles.gabb@menziesaviation.com

Questions

1. Locate the storm drain locations at this facility (quantity/location)

2. Drains are free of debris?

Yes

Debris Note:

Minor v small pieces of trash stopped by screen inside drop inlets.

3. Are there visible signs of oil sheens leading to storm drains?

No

4. Is there evidence of spills of any kind to storm drains?

No

5. Has the tenant had any spills not previously reported to CLT?

No

Describe Unreported Previous Spill(s):

6. Are there hard pipe connections leading to the storm drains?

No

7. Are floor drains present inside the building?

No



CLT - Semi-annual Stormwater

No.
00004

8. Are any of the below products within 10 feet of a floor drain inside the building or near a grate drain outside the building?

a. Antifreeze

No

b. Batteries or Battery Acid

No

c. Pesticides

No

d. Fertilizers

No

e. Salt or Coal

No

f. Firefighting Foam

No

Does the tenant actively train with AFFF?

No

g. Garbage/Landfills

No

h. Oil Cans or Oil

No

i. Cleaning Agents

No

j. Degreasers

No

k. Sewerage Waste

No

l. Lavatory Chemicals

No

m. Paint/Paint Waste

No

n. De-Icing Fluid

No

9. Listed products (in question 8) should be stored in covered containers in an enclosed area

Yes

Product Storage Note:

10. Are large containers of liquids (over 660 gallons) present at this facility?

Yes

11. Containers over 660 gallons must be either;

Stored within a secondary containment structure

12. Is there a secondary AST containment dike (or similar) present outside at this facility?

Yes

13. Does the dike contain a locking mechanism?

Yes

14. Is the mechanism locked?

Yes

15. Is there a log (available for review) of water released through the dike containing the date, time and quantity of release?

Yes

16. Is there a refuse, scrap, recyclable or other-purposed dumpster in use at this facility?

Yes

Describe:

Two lidded dumpsters for cardboard and general refuse.

17. Are vehicles washed outside at the facility?



CLT - Semi-annual Stormwater

No.
00004

Yes

18. Does the tenant have a wash plan available?

Yes

19. Is the vehicle wash water/wastewater collected?

Yes

20. Are detergents biodegradable?

Yes

Product Name: (See product label or MSDS)

21. Is there an active oil-water separator in use at this facility?

Yes

What is the cleanout frequency?

At least annually.

22. Does the tenant have manifests available to correspond with OWS service dates?

Yes

23. The OWS flows to:

Stormwater System

24. Is there evidence of soil erosion or excessive "muddy" water runoff at your facility?

No

Runoff Note:

25. Are there any structural BMPs on site?

Yes

BMP List:

Retention pond with spillway outfall only.

26. Is there overall evidence of an obvious, non-stormwater discharge to the stormwater drains at this facility?

No

Discharge Note:

Other comments or concerns:

Stormwater utility along road is ineffective. Tenant states that during heavy rain events water is shedding from the road into the yard/lot at such a rate that flooding into the building is a serious safety issue. It has flood their electrical room on occasion.



CLT - Tenant Inspection

No.
00004

Inspection Details

Facility Name:
Menzies Fuel Farm
Inspector Name:
Chris Alexander

Inspection Date:
10/31/2023

Activities listed below are conducted at the airport and have potential to impact storm water.

Industrial Activities

Activity	Current:	Location:	Contracted:	Comments:
Aircraft Deicing	No			
Aircraft Fueling	No			
Aircraft Maintenance	No			
Aircraft Painting/ Stripping	No			
Aircraft Sanitary Service	No			
Aircraft Washing	No			
Cargo Handling	No			
Chemical Storage	Yes	Inside	No	Incidental off the shelf, <5-gal products in appropriate containers and stored in secondary containment lockers
Equipment Degreasing/ Washing	No			
Equipment Maintenance	Yes	Both	No	
Equipment Storage	Yes	Both	No	
Fuel Storage	Yes	Outside	No	Fuel farm 4x10k tanks 2x32k and 3x37k
Fire Equipment Testing/ Flushing	No			
Floor Washdown	No			
Manufacturing	No			
Outdoor Apron Washdown	No			
Pesticide/Herbicide Use	No			
Potable Water Flushing	No			
Runway Deicing	No			
Runway Rubber Removal	No			
Steam Cleaning	No			
Vehicle Fueling	Yes	Outside	No	
Vehicle Maintenance	Yes	Inside	No	Light maintenance such as oil changes
Vehicle Painting/ Stripping	No			



CLT - Tenant Inspection

No.
00004

Activity	Current:	Location:	Contracted:	Comments:
Stripping				
Vehicle Washing	Yes	Outside	No	Utilize biodegradable vehicle wash for general maintenance. All wash water goes to OWS.
Water Tank Cleaning/ Washing	No			
Other	No			

Any solid or liquid material used or stored at your facility could have the potential to impact storm water if handled, stored, or used improperly. An inventory of these types of materials is listed below.

Potential Pollutants

Pollutant	Present:	Management: (state storage or management practice)	Comments:
Antifreeze	No		
De-Icing Chemicals	No		
Fuel & Lubricants	Yes	All fuel tanks are held within diked enclosures capable of holding at least 110% of the largest tank volume.	
Herbicides/Pesticides	No		
Lavatory Waste	No		
Oil and Grease	Yes	Incidental off the shelf sized products <5-gal stored in secondary containment lockers.	
Paint	No		
Detergents or Washwater	Yes	Utilize biodegradable vehicle wash for general maintenance. All wash water goes to OWS.	
Firefighting Agents	No		
Solvent	Yes	Incidental off the shelf sized products <5-gal stored in secondary containment lockers.	
Used Batteries	No		
Laboratory Chemicals	No		
Perfumes/Dyes	No		
Liquid or Solid Corrosives	No		
Used Vehicle Parts	No		
Parts Cleaners	No		
Other Products	No		
Sediment	No		SW and floor drains onsite have minimal sediment buildup. No surface sediment buildup.



CLT - Semi-annual Stormwater

No.
00020

Facility Details

Facility Name	Date(s) of Inspection
Menzies GSE	12/15/2023
Address or Area	Representative Participation?
4840-C Express Drive	Yes
Facility Representative	Contact Information (phone and/or email)
Eric Brown	707-631-7431 / Eric.brown@menziesaviation.com

Questions

1. Locate the storm drain locations at this facility (quantity/location)

2. Drains are free of debris?

Yes

Debris Note:

3. Are there visible signs of oil sheens leading to storm drains?

No

4. Is there evidence of spills of any kind to storm drains?

No

5. Has the tenant had any spills not previously reported to CLT?

No

Describe Unreported Previous Spill(s):

6. Are there hard pipe connections leading to the storm drains?

No

7. Are floor drains present inside the building?

No



CLT - Semi-annual Stormwater

No.
00020

8. Are any of the below products within 10 feet of a floor drain inside the building or near a grate drain outside the building?

a. Antifreeze

No

b. Batteries or Battery Acid

No

c. Pesticides

No

d. Fertilizers

No

e. Salt or Coal

No

f. Firefighting Foam

No

Does the tenant actively train with AFFF?

No

g. Garbage/Landfills

No

h. Oil Cans or Oil

No

i. Cleaning Agents

No

j. Degreasers

No

k. Sewerage Waste

No

l. Lavatory Chemicals

No

m. Paint/Paint Waste

No

n. De-Icing Fluid

No

9. Listed products (in question 8) should be stored in covered containers in an enclosed area

Yes

Product Storage Note:

10. Are large containers of liquids (over 660 gallons) present at this facility?

No

11. Containers over 660 gallons must be either;

12. Is there a secondary AST containment dike (or similar) present outside at this facility?

No

13. Does the dike contain a locking mechanism?

NA

14. Is the mechanism locked?

NA

15. Is there a log (available for review) of water released through the dike containing the date, time and quantity of release?

NA

16. Is there a refuse, scrap, recyclable or other-purposed dumpster in use at this facility?

Yes

Describe:

One Scrap, and one for Household

17. Are vehicles washed outside at the facility?



CLT - Semi-annual Stormwater

No.
00020

No

18. Does the tenant have a wash plan available?

NA

19. Is the vehicle wash water/wastewater collected?

NA

20. Are detergents biodegradable?

NA

Product Name: (See product label or MSDS)

21. Is there an active oil-water separator in use at this facility?

No

22. Does the tenant have manifests available to correspond with OWS service dates?

No

23. The OWS flows to:

Unknown

24. Is there evidence of soil erosion or excessive "muddy" water runoff at your facility?

No

Runoff Note:

25. Are there any structural BMPs on site?

No

BMP List:

26. Is there overall evidence of an obvious, non-stormwater discharge to the stormwater drains at this facility?

No

Discharge Note:

Other comments or concerns:

Overall site looks good



CLT - Tenant Inspection

No.
00053

Inspection Details

Facility Name:
Menzies GSE
Inspector Name:
Rick Talley

Inspection Date:
12/15/2023

Activities listed below are conducted at the airport and have potential to impact storm water.

Industrial Activities

Activity	Current:	Location:	Contracted:	Comments:
Aircraft Deicing	No			
Aircraft Fueling	No			
Aircraft Maintenance	No			
Aircraft Painting/ Stripping	No			
Aircraft Sanitary Service	No			
Aircraft Washing	No			
Cargo Handling	No			
Chemical Storage	Yes	Both	No	
Equipment Degreasing/ Washing	Yes	Inside	No	
Equipment Maintenance	Yes	Both	No	
Equipment Storage	Yes	Outside	No	
Fuel Storage	Yes	Outside	No	
Fire Equipment Testing/ Flushing	No			
Floor Washdown	No			
Manufacturing	No			
Outdoor Apron Washdown	No			
Pesticide/Herbicide Use	No			
Potable Water Flushing	No			
Runway Deicing	No			
Runway Rubber Removal	No			
Steam Cleaning	No			
Vehicle Fueling	No			
Vehicle Maintenance	Yes	Both	No	
Vehicle Painting/ Stripping	Yes	Outside	No	
Vehicle Washing	No			
Water Tank Cleaning/ Washing	No			
Other	No			



CLT - Tenant Inspection

Any solid or liquid material used or stored at your facility could have the potential to impact storm water if handled, stored, or used improperly. An inventory of these types of materials is listed below.

Potential Pollutants

Pollutant	Present:	Management: (state storage or management practice)	Comments:
Antifreeze	Yes		
De-Icing Chemicals	No		
Fuel & Lubricants	Yes		
Herbicides/Pesticides	No		
Lavatory Waste	No		
Oil and Grease	Yes		
Paint	Yes		
Detergents or Washwater	Yes		
Firefighting Agents	No		
Solvent	No		
Used Batteries	Yes		
Laboratory Chemicals	No		
Perfumes/Dyes	No		
Liquid or Solid Corrosives	No		
Used Vehicle Parts	Yes		
Parts Cleaners	Yes		
Other Products	No		
Sediment	No		



CLT - Semi-annual Stormwater

No.
00028

Facility Details

Facility Name

Peak SCS

Address or Area

4308 Yorkmont Road

Facility Representative

Chris Lewis

Date(s) of Inspection

12/18/2023

Representative Participation?

Yes

Contact Information (phone and/or email)

Clewis@peakscs.com

Questions

1. Locate the storm drain locations at this facility (quantity/location)

2. Drains are free of debris?

Yes

Debris Note:

3. Are there visible signs of oil sheens leading to storm drains?

No

4. Is there evidence of spills of any kind to storm drains?

No

5. Has the tenant had any spills not previously reported to CLT?

No

Describe Unreported Previous Spill(s):

6. Are there hard pipe connections leading to the storm drains?

No

7. Are floor drains present inside the building?

No



CLT - Semi-annual Stormwater

No.
00028

8. Are any of the below products within 10 feet of a floor drain inside the building or near a grate drain outside the building?

a. Antifreeze

No

b. Batteries or Battery Acid

No

c. Pesticides

No

d. Fertilizers

No

e. Salt or Coal

No

f. Firefighting Foam

No

Does the tenant actively train with AFFF?

No

g. Garbage/Landfills

No

h. Oil Cans or Oil

No

i. Cleaning Agents

No

j. Degreasers

No

k. Sewerage Waste

No

l. Lavatory Chemicals

No

m. Paint/Paint Waste

No

n. De-Icing Fluid

No

9. Listed products (in question 8) should be stored in covered containers in an enclosed area

Yes

Product Storage Note:

10. Are large containers of liquids (over 660 gallons) present at this facility?

No

11. Containers over 660 gallons must be either;

12. Is there a secondary AST containment dike (or similar) present outside at this facility?

No

13. Does the dike contain a locking mechanism?

NA

14. Is the mechanism locked?

NA

15. Is there a log (available for review) of water released through the dike containing the date, time and quantity of release?

NA

16. Is there a refuse, scrap, recyclable or other-purposed dumpster in use at this facility?

Yes

Describe:

A household dumpster

17. Are vehicles washed outside at the facility?



CLT - Semi-annual Stormwater

No.
00028

No

18. Does the tenant have a wash plan available?

NA

19. Is the vehicle wash water/wastewater collected?

NA

20. Are detergents biodegradable?

NA

Product Name: (See product label or MSDS)

21. Is there an active oil-water separator in use at this facility?

No

22. Does the tenant have manifests available to correspond with OWS service dates?

No

23. The OWS flows to:

Unknown

24. Is there evidence of soil erosion or excessive "muddy" water runoff at your facility?

No

Runoff Note:

25. Are there any structural BMPs on site?

No

BMP List:

26. Is there overall evidence of an obvious, non-stormwater discharge to the stormwater drains at this facility?

No

Discharge Note:

Other comments or concerns:

There a few catch basins,

Overall site looks good,

Chris was out of town, one of his employees Brain Graft there and was very helpful.



CLT - Tenant Inspection

No.
00061

Inspection Details

Facility Name:

Peak SCS

Inspection Date:

12/18/2023

Inspector Name:

Rick Talley

Activities listed below are conducted at the airport and have potential to impact storm water.

Industrial Activities

Activity	Current:	Location:	Contracted:	Comments:
Aircraft Deicing	No			
Aircraft Fueling	No			
Aircraft Maintenance	No			
Aircraft Painting/ Stripping	No			
Aircraft Sanitary Service	No			
Aircraft Washing	No			
Cargo Handling	Yes	Inside	No	
Chemical Storage	No			
Equipment Degreasing/ Washing	No			
Equipment Maintenance	No			
Equipment Storage	No			
Fuel Storage	No			
Fire Equipment Testing/ Flushing	No			
Floor Washdown	No			
Manufacturing	No			
Outdoor Apron Washdown	No			
Pesticide/Herbicide Use	No			
Potable Water Flushing	No			
Runway Deicing	No			
Runway Rubber Removal	No			
Steam Cleaning	No			
Vehicle Fueling	No			
Vehicle Maintenance	No			
Vehicle Painting/ Stripping	No			
Vehicle Washing	No			
Water Tank Cleaning/ Washing	No			
Other	No			



CLT - Tenant Inspection

No.
00061

Any solid or liquid material used or stored at your facility could have the potential to impact storm water if handled, stored, or used improperly. An inventory of these types of materials is listed below.

Potential Pollutants

Pollutant	Present:	Management: (state storage or management practice)	Comments:
Antifreeze	No		
De-Icing Chemicals	No		
Fuel & Lubricants	No		
Herbicides/Pesticides	No		
Lavatory Waste	No		
Oil and Grease	No		
Paint	No		
Detergents or Washwater	No		
Firefighting Agents	No		
Solvent	No		
Used Batteries	No		
Laboratory Chemicals	No		
Perfumes/Dyes	No		
Liquid or Solid Corrosives	No		
Used Vehicle Parts	No		
Parts Cleaners	No		
Other Products	No		
Sediment	No		



Facility Details

Facility Name

Piedmont GSE

Address or Area

4812 Express Dr.

Facility Representative

Robert Ginás

Date(s) of Inspection

11-8-23

Representative Participation?

Yes

Contact Information (phone and/or email)

robert.ginas@aa.com

Questions

1. Locate the storm drain locations at this facility (quantity/location)

2. Drains are free of debris?

Yes

Debris Note:

Minimal sediment and leaves.

3. Are there visible signs of oil sheens leading to storm drains?

No

4. Is there evidence of spills of any kind to storm drains?

No

5. Has the tenant had any spills not previously reported to CLT?

No

Describe Unreported Previous Spill(s):

6. Are there hard pipe connections leading to the storm drains?

No

7. Are floor drains present inside the building?

No



CLT - Semi-annual Stormwater

No.
00008

8. Are any of the below products within 10 feet of a floor drain inside the building or near a grate drain outside the building?

a. Antifreeze

No

b. Batteries or Battery Acid

No

c. Pesticides

No

d. Fertilizers

No

e. Salt or Coal

No

f. Firefighting Foam

No

Does the tenant actively train with AFFF?

No

g. Garbage/Landfills

No

h. Oil Cans or Oil

No

i. Cleaning Agents

No

j. Degreasers

No

k. Sewerage Waste

No

l. Lavatory Chemicals

No

m. Paint/Paint Waste

No

n. De-Icing Fluid

No

9. Listed products (in question 8) should be stored in covered containers in an enclosed area

Yes

Product Storage Note:

Off the shelf type products in flam lockers if not drums on secondary containment.

10. Are large containers of liquids (over 660 gallons) present at this facility?

No

11. Containers over 660 gallons must be either;

12. Is there a secondary AST containment dike (or similar) present outside at this facility?

Yes

13. Does the dike contain a locking mechanism?

Yes

14. Is the mechanism locked?

Yes

15. Is there a log (available for review) of water released through the dike containing the date, time and quantity of release?

Yes

16. Is there a refuse, scrap, recyclable or other-purposed dumpster in use at this facility?

Yes

Describe:

Lidded dumpster

17. Are vehicles washed outside at the facility?



CLT - Semi-annual Stormwater

No.
00008

No

18. Does the tenant have a wash plan available?

NA

19. Is the vehicle wash water/wastewater collected?

NA

20. Are detergents biodegradable?

NA

Product Name: (See product label or MSDS)

21. Is there an active oil-water separator in use at this facility?

No

22. Does the tenant have manifests available to correspond with OWS service dates?

No

23. The OWS flows to:

24. Is there evidence of soil erosion or excessive "muddy" water runoff at your facility?

No

Runoff Note:

25. Are there any structural BMPs on site?

No

BMP List:

Just drop ins and associated piping

26. Is there overall evidence of an obvious, non-stormwater discharge to the stormwater drains at this facility?

No

Discharge Note:

Other comments or concerns:



CLT - Tenant Inspection

No.
00008

Inspection Details

Facility Name:
Piedmont GSE
Inspector Name:
Chris Alexander

Inspection Date:
11/08/2023

Activities listed below are conducted at the airport and have potential to impact storm water.

Industrial Activities

Activity	Current:	Location:	Contracted:	Comments:
Aircraft Deicing	No			
Aircraft Fueling	No			
Aircraft Maintenance	No			
Aircraft Painting/ Stripping	No			
Aircraft Sanitary Service	No			
Aircraft Washing	No			
Cargo Handling	No			
Chemical Storage	Yes	Inside	No	Lube oil, antifreeze, battery packs
Equipment Degreasing/ Washing	No			Incidental spot cleaning
Equipment Maintenance	Yes	Inside	No	
Equipment Storage	Yes	Both	No	
Fuel Storage	No			
Fire Equipment Testing/ Flushing	No			
Floor Washdown	Yes	Inside	Yes	Two times a week by contractor
Manufacturing	No			
Outdoor Apron Washdown	No			
Pesticide/Herbicide Use	No			
Potable Water Flushing	No			
Runway Deicing	No			
Runway Rubber Removal	No			
Steam Cleaning	No			
Vehicle Fueling	No			
Vehicle Maintenance	Yes	Inside	No	
Vehicle Painting/ Stripping	No			Incidental touch ups with rattle cans
Vehicle Washing	No			
Water Tank Cleaning/ Washing	No			



CLT - Tenant Inspection

No.
00008

Activity	Current:	Location:	Contracted:	Comments:
Other	No			

Any solid or liquid material used or stored at your facility could have the potential to impact storm water if handled, stored, or used improperly. An inventory of these types of materials is listed below.

Potential Pollutants

Pollutant	Present:	Management: (state storage or management practice)	Comments:
Antifreeze	Yes	Stored in drums on secondary containment	
De-Icing Chemicals	No		
Fuel & Lubricants	Yes	Stored in drums on secondary containment. Fuel in 5-gal cans in flam locker	
Herbicides/Pesticides	No		
Lavatory Waste	No		
Oil and Grease	Yes	Stored in drums on secondary containment	
Paint	Yes	Rattle cans in flam lockers	
Detergents or Washwater	No		
Firefighting Agents	No		
Solvent	Yes	Rattle cans in flam lockers	
Used Batteries	No	Used batteries are only kept until they can be sent for recycling.	
Laboratory Chemicals	No		
Perfumes/Dyes	No		
Liquid or Solid Corrosives	No		
Used Vehicle Parts	No	Used parts are disposed of or sent for core exchanges.	
Parts Cleaners	Yes	Drum-top type	
Other Products	No		
Sediment	Yes	Minimal sediment accumulation in and around drains.	



Facility Details

Facility Name	Date(s) of Inspection
Piedmont Maintenance	12/20/2023
Address or Area	Representative Participation?
4700 Yorkmont Road	Yes
Facility Representative	Contact Information (phone and/or email)
Bill Shapach	704-359-4720/ William.shapach@aa.com

Questions

1. Locate the storm drain locations at this facility (quantity/location)

2. Drains are free of debris?

Yes

Debris Note:

3. Are there visible signs of oil sheens leading to storm drains?

No

4. Is there evidence of spills of any kind to storm drains?

No

5. Has the tenant had any spills not previously reported to CLT?

No

Describe Unreported Previous Spill(s):

6. Are there hard pipe connections leading to the storm drains?

No

7. Are floor drains present inside the building?

No



CLT - Semi-annual Stormwater

No.
00035

8. Are any of the below products within 10 feet of a floor drain inside the building or near a grate drain outside the building?

a. Antifreeze

No

b. Batteries or Battery Acid

No

c. Pesticides

No

d. Fertilizers

No

e. Salt or Coal

No

f. Firefighting Foam

No

Does the tenant actively train with AFFF?

No

g. Garbage/Landfills

No

h. Oil Cans or Oil

No

i. Cleaning Agents

No

j. Degreasers

No

k. Sewerage Waste

No

l. Lavatory Chemicals

No

m. Paint/Paint Waste

No

n. De-Icing Fluid

No

9. Listed products (in question 8) should be stored in covered containers in an enclosed area

Yes

Product Storage Note:

10. Are large containers of liquids (over 660 gallons) present at this facility?

No

11. Containers over 660 gallons must be either;

12. Is there a secondary AST containment dike (or similar) present outside at this facility?

No

13. Does the dike contain a locking mechanism?

NA

14. Is the mechanism locked?

NA

15. Is there a log (available for review) of water released through the dike containing the date, time and quantity of release?

NA

16. Is there a refuse, scrap, recyclable or other-purposed dumpster in use at this facility?

Yes

Describe:

One 8yrd household shared

17. Are vehicles washed outside at the facility?



CLT - Semi-annual Stormwater

No.
00035

No

18. Does the tenant have a wash plan available?

NA

19. Is the vehicle wash water/wastewater collected?

NA

20. Are detergents biodegradable?

NA

Product Name: (See product label or MSDS)

21. Is there an active oil-water separator in use at this facility?

No

22. Does the tenant have manifests available to correspond with OWS service dates?

No

23. The OWS flows to:

Unknown

24. Is there evidence of soil erosion or excessive "muddy" water runoff at your facility?

No

Runoff Note:

25. Are there any structural BMPs on site?

No

BMP List:

26. Is there overall evidence of an obvious, non-stormwater discharge to the stormwater drains at this facility?

No

Discharge Note:

Other comments or concerns:

One Catch basin, Overall site looks good.



CLT - Tenant Inspection

No.
00068

Inspection Details

Facility Name:
Piedmont Maintenance
Inspector Name:
Rick Talley

Inspection Date:
12/20/2023

Activities listed below are conducted at the airport and have potential to impact storm water.

Industrial Activities

Activity	Current:	Location:	Contracted:	Comments:
Aircraft Deicing	No			
Aircraft Fueling	No			
Aircraft Maintenance	No			
Aircraft Painting/ Stripping	No			
Aircraft Sanitary Service	No			
Aircraft Washing	No			
Cargo Handling	No			
Chemical Storage	No			
Equipment Degreasing/ Washing	No			
Equipment Maintenance	Yes	Both	No	
Equipment Storage	No			
Fuel Storage	No			
Fire Equipment Testing/ Flushing	No			
Floor Washdown	No			
Manufacturing	No			
Outdoor Apron Washdown	No			
Pesticide/Herbicide Use	No			
Potable Water Flushing	No			
Runway Deicing	No			
Runway Rubber Removal	No			
Steam Cleaning	No			
Vehicle Fueling	No			
Vehicle Maintenance	No			
Vehicle Painting/ Stripping	No			
Vehicle Washing	No			
Water Tank Cleaning/ Washing	No			
Other	No			



CLT - Tenant Inspection

No.
00068

Any solid or liquid material used or stored at your facility could have the potential to impact storm water if handled, stored, or used improperly. An inventory of these types of materials is listed below.

Potential Pollutants

Pollutant	Present:	Management: (state storage or management practice)	Comments:
Antifreeze	No		
De-Icing Chemicals	No		
Fuel & Lubricants	No		
Herbicides/Pesticides	No		
Lavatory Waste	No		
Oil and Grease	Yes	Kept in a containment area	
Paint	No		
Detergents or Washwater	No		
Firefighting Agents	No		
Solvent	No		
Used Batteries	No		
Laboratory Chemicals	No		
Perfumes/Dyes	No		
Liquid or Solid Corrosives	No		
Used Vehicle Parts	No		
Parts Cleaners	Yes		
Other Products	No		
Sediment	No		



Facility Details

Facility Name	Date(s) of Inspection
Piedmont Ramp (E11)	12/15/2023
Address or Area	Representative Participation?
5501 Josh Birmingham Parkway	Yes
Facility Representative	Contact Information (phone and/or email)
Elizabeth Woodard	704-359-6499/ Elizabeth.Woodard@aa.com

Questions

1. Locate the storm drain locations at this facility (quantity/location)

2. Drains are free of debris?

Yes

Debris Note:

3. Are there visible signs of oil sheens leading to storm drains?

No

4. Is there evidence of spills of any kind to storm drains?

No

5. Has the tenant had any spills not previously reported to CLT?

No

Describe Unreported Previous Spill(s):

6. Are there hard pipe connections leading to the storm drains?

No

7. Are floor drains present inside the building?

Yes



CLT - Semi-annual Stormwater

No.
00022

8. Are any of the below products within 10 feet of a floor drain inside the building or near a grate drain outside the building?

a. Antifreeze

No

b. Batteries or Battery Acid

No

c. Pesticides

No

d. Fertilizers

No

e. Salt or Coal

No

f. Firefighting Foam

No

Does the tenant actively train with AFFF?

No

g. Garbage/Landfills

No

h. Oil Cans or Oil

No

i. Cleaning Agents

No

j. Degreasers

No

k. Sewerage Waste

No

l. Lavatory Chemicals

No

m. Paint/Paint Waste

No

n. De-Icing Fluid

No

9. Listed products (in question 8) should be stored in covered containers in an enclosed area

Yes

Product Storage Note:

10. Are large containers of liquids (over 660 gallons) present at this facility?

No

11. Containers over 660 gallons must be either;

12. Is there a secondary AST containment dike (or similar) present outside at this facility?

No

13. Does the dike contain a locking mechanism?

NA

14. Is the mechanism locked?

NA

15. Is there a log (available for review) of water released through the dike containing the date, time and quantity of release?

NA

16. Is there a refuse, scrap, recyclable or other-purposed dumpster in use at this facility?

Yes

Describe:

Several 8 yrd compactors, CLT maintained

17. Are vehicles washed outside at the facility?



CLT - Semi-annual Stormwater

No.
00022

No

18. Does the tenant have a wash plan available?

NA

19. Is the vehicle wash water/wastewater collected?

NA

20. Are detergents biodegradable?

NA

Product Name: (See product label or MSDS)

21. Is there an active oil-water separator in use at this facility?

No

22. Does the tenant have manifests available to correspond with OWS service dates?

No

23. The OWS flows to:

Unknown

24. Is there evidence of soil erosion or excessive "muddy" water runoff at your facility?

No

Runoff Note:

25. Are there any structural BMPs on site?

Yes

BMP List:

There's several trench drains, and several catch basins

26. Is there overall evidence of an obvious, non-stormwater discharge to the stormwater drains at this facility?

No

Discharge Note:

Other comments or concerns:

Overall this site looks good



CLT - Tenant Inspection

No.
00055

Inspection Details

Facility Name:

Piedmont Ramp

Inspection Date:

12/15/2023

Inspector Name:

Rick Talley

Activities listed below are conducted at the airport and have potential to impact storm water.

Industrial Activities

Activity	Current:	Location:	Contracted:	Comments:
Aircraft Deicing	Yes	Outside	Yes	
Aircraft Fueling	Yes	Outside	Yes	
Aircraft Maintenance	Yes	Outside	No	
Aircraft Painting/ Stripping	No			
Aircraft Sanitary Service	Yes	Outside	Yes	
Aircraft Washing	No			
Cargo Handling	Yes	Outside	Yes	
Chemical Storage	No			
Equipment Degreasing/ Washing	No			
Equipment Maintenance	No			
Equipment Storage	No			
Fuel Storage	No			
Fire Equipment Testing/ Flushing	No			
Floor Washdown	No			
Manufacturing	No			
Outdoor Apron Washdown	No			
Pesticide/Herbicide Use	No			
Potable Water Flushing	No			
Runway Deicing	No			
Runway Rubber Removal	No			
Steam Cleaning	No			
Vehicle Fueling	No			
Vehicle Maintenance	No			
Vehicle Painting/ Stripping	No			
Vehicle Washing	No			
Water Tank Cleaning/ Washing	No			
Other	No			



CLT - Tenant Inspection

Any solid or liquid material used or stored at your facility could have the potential to impact storm water if handled, stored, or used improperly. An inventory of these types of materials is listed below.

Potential Pollutants

Pollutant	Present:	Management: (state storage or management practice)	Comments:
Antifreeze	No		
De-Icing Chemicals	No		
Fuel & Lubricants	No		
Herbicides/Pesticides	No		
Lavatory Waste	No		
Oil and Grease	Yes	Stored in a containment area.	
Paint	No		
Detergents or Washwater	No		
Firefighting Agents	No		
Solvent	No		
Used Batteries	No		
Laboratory Chemicals	No		
Perfumes/Dyes	No		
Liquid or Solid Corrosives	No		
Used Vehicle Parts	No		
Parts Cleaners	No		
Other Products	No		
Sediment	No		



CLT - Semi-annual Stormwater

No.
00001

Facility Details

Facility Name

PSA Hangar

Address or Area

Bldg 247

Facility Representative

Tony Duvet

Date(s) of Inspection

10-30-23

Representative Participation?

Yes

Contact Information (phone and/or email)

Anthony.duvet@psairlines.com

Questions

1. Locate the storm drain locations at this facility (quantity/location)

2. Drains are free of debris?

No

Debris Note:

V. small trash pieces.

3. Are there visible signs of oil sheens leading to storm drains?

No

4. Is there evidence of spills of any kind to storm drains?

No

5. Has the tenant had any spills not previously reported to CLT?

No

Describe Unreported Previous Spill(s):

6. Are there hard pipe connections leading to the storm drains?

No

7. Are floor drains present inside the building?

Yes



CLT - Semi-annual Stormwater

No.
00001

8. Are any of the below products within 10 feet of a floor drain inside the building or near a grate drain outside the building?

a. Antifreeze

No

b. Batteries or Battery Acid

No

c. Pesticides

No

d. Fertilizers

No

e. Salt or Coal

Yes

f. Firefighting Foam

Yes

Does the tenant actively train with AFFF?

No

g. Garbage/Landfills

No

h. Oil Cans or Oil

Yes

i. Cleaning Agents

Yes

j. Degreasers

Yes

k. Sewerage Waste

No

l. Lavatory Chemicals

No

m. Paint/Paint Waste

No

n. De-Icing Fluid

No

9. Listed products (in question 8) should be stored in covered containers in an enclosed area

Yes

Product Storage Note:

All products are in proper containers and on secondary containment.

10. Are large containers of liquids (over 660 gallons) present at this facility?

No

11. Containers over 660 gallons must be either;

12. Is there a secondary AST containment dike (or similar) present outside at this facility?

No

13. Does the dike contain a locking mechanism?

NA

14. Is the mechanism locked?

NA

15. Is there a log (available for review) of water released through the dike containing the date, time and quantity of release?

NA

16. Is there a refuse, scrap, recyclable or other-purposed dumpster in use at this facility?

Yes

Describe:

Covered dumpster for general refuse.

17. Are vehicles washed outside at the facility?



CLT - Semi-annual Stormwater

No.
00001

No

18. Does the tenant have a wash plan available?

NA

19. Is the vehicle wash water/wastewater collected?

NA

20. Are detergents biodegradable?

NA

Product Name: (See product label or MSDS)

21. Is there an active oil-water separator in use at this facility?

Yes

What is the cleanout frequency?

As needed - contracted by Archer Western

22. Does the tenant have manifests available to correspond with OWS service dates?

No

23. The OWS flows to:

Unknown

24. Is there evidence of soil erosion or excessive "muddy" water runoff at your facility?

No

Runoff Note:

25. Are there any structural BMPs on site?

No

BMP List:

26. Is there overall evidence of an obvious, non-stormwater discharge to the stormwater drains at this facility?

No

Discharge Note:

Other comments or concerns:

Recently under new management. Things are still being sorted out and turned over.



CLT - Tenant Inspection

No.
00001

Inspection Details

Facility Name:

PSA Hangar

Inspection Date:

10/30/2023

Inspector Name:

Chris Alexander

Activities listed below are conducted at the airport and have potential to impact storm water.

Industrial Activities

Activity	Current:	Location:	Contracted:	Comments:
Aircraft Deicing	No			
Aircraft Fueling	No			
Aircraft Maintenance	Yes	Both	No	
Aircraft Painting/ Stripping	No			
Aircraft Sanitary Service	No			
Aircraft Washing	No			
Cargo Handling	No			
Chemical Storage	Yes	Outside Covered	No	Inside and stored outside under cover and on secondary containment.
Equipment Degreasing/ Washing	No			
Equipment Maintenance	Yes	Both	No	
Equipment Storage	Yes	Both	No	
Fuel Storage	No			
Fire Equipment Testing/ Flushing	No			
Floor Washdown	Yes	Both	No	As needed spot cleaning.
Manufacturing	No			
Outdoor Apron Washdown	No			
Pesticide/Herbicide Use	No			
Potable Water Flushing	No			
Runway Deicing	No			
Runway Rubber Removal	No			
Steam Cleaning	No			
Vehicle Fueling	No			
Vehicle Maintenance	Yes	Both	No	
Vehicle Painting/ Stripping	No			
Vehicle Washing	No			



CLT - Tenant Inspection

No.
00001

Activity	Current:	Location:	Contracted:	Comments:
Water Tank Cleaning/ Washing	No			
Other	No			

Any solid or liquid material used or stored at your facility could have the potential to impact storm water if handled, stored, or used improperly. An inventory of these types of materials is listed below.

Potential Pollutants

Pollutant	Present:	Management: (state storage or management practice)	Comments:
Antifreeze	Yes		
De-Icing Chemicals	No		
Fuel & Lubricants	Yes	Lubricants stored in drums on secondary containment.	
Herbicides/Pesticides	No		
Lavatory Waste	No		
Oil and Grease	Yes	Used oils and grease are stored in drums on secondary containment.	
Paint	Yes	Spray paint for touchups and marking only.	
Detergents or Washwater	Yes	Water in Zamboni.	
Firefighting Agents	Yes	Wall mounted hand extinguishers and outside portable units.	Unsure if AFFF or dry chem.
Solvent	Yes	Incidental containers less than 1 gallon each. Stored in secondary containment.	
Used Batteries	Yes	Stored in vented drums on secondary containment.	
Laboratory Chemicals	No		
Perfumes/Dyes	No		
Liquid or Solid Corrosives	No		
Used Vehicle Parts	No		
Parts Cleaners	No		
Other Products	No		
Sediment	No		



CLT - Semi-annual Stormwater

No.
00014

Facility Details

Facility Name

Remote Rental Car / Avis

Address or Area

6525 Rackham Dr

Facility Representative

Adam Dietz

Date(s) of Inspection

12/13/2023

Representative Participation?

Yes

Contact Information (phone and/or email)

860-805-7680/
adietz@mvifieldservices.com

Questions

1. Locate the storm drain locations at this facility (quantity/location)

2. Drains are free of debris?

Yes

Debris Note:

3. Are there visible signs of oil sheens leading to storm drains?

No

4. Is there evidence of spills of any kind to storm drains?

No

5. Has the tenant had any spills not previously reported to CLT?

No

Describe Unreported Previous Spill(s):

6. Are there hard pipe connections leading to the storm drains?

Yes

7. Are floor drains present inside the building?

Yes



CLT - Semi-annual Stormwater

No.
00014

8. Are any of the below products within 10 feet of a floor drain inside the building or near a grate drain outside the building?

a. Antifreeze

No

b. Batteries or Battery Acid

No

c. Pesticides

No

d. Fertilizers

No

e. Salt or Coal

No

f. Firefighting Foam

No

Does the tenant actively train with AFFF?

No

g. Garbage/Landfills

No

h. Oil Cans or Oil

No

i. Cleaning Agents

No

j. Degreasers

k. Sewerage Waste

No

l. Lavatory Chemicals

No

m. Paint/Paint Waste

No

n. De-Icing Fluid

No

9. Listed products (in question 8) should be stored in covered containers in an enclosed area

Yes

Product Storage Note:

10. Are large containers of liquids (over 660 gallons) present at this facility?

Yes

11. Containers over 660 gallons must be either;

Constructed of double-wall materials

12. Is there a secondary AST containment dike (or similar) present outside at this facility?

No

13. Does the dike contain a locking mechanism?

NA

14. Is the mechanism locked?

NA

15. Is there a log (available for review) of water released through the dike containing the date, time and quantity of release?

NA

16. Is there a refuse, scrap, recyclable or other-purposed dumpster in use at this facility?

Yes

Describe:

One covered 8yrd household dumpster

17. Are vehicles washed outside at the facility?



CLT - Semi-annual Stormwater

No.
00014

No

18. Does the tenant have a wash plan available?

Yes

19. Is the vehicle wash water/wastewater collected?

Yes

20. Are detergents biodegradable?

NA

Product Name: (See product label or MSDS)

21. Is there an active oil-water separator in use at this facility?

Yes

What is the cleanout frequency?

Quarterly

22. Does the tenant have manifests available to correspond with OWS service dates?

No

23. The OWS flows to:

Stormwater System

24. Is there evidence of soil erosion or excessive "muddy" water runoff at your facility?

No

Runoff Note:

25. Are there any structural BMPs on site?

Yes

BMP List:

Multiple inlets, Multiple curve cuts with rip rap Dissipators, and 2 dry ponds with sand filters

26. Is there overall evidence of an obvious, non-stormwater discharge to the stormwater drains at this facility?

No

Discharge Note:

The overall site is in good condition

Other comments or concerns:



CLT - Tenant Inspection

No.
00049

Inspection Details

Facility Name:
Remote Rental Car / Avis
Inspector Name:
Rick Talley

Inspection Date:
12/13/2023

Activities listed below are conducted at the airport and have potential to impact storm water.

Industrial Activities

Activity	Current:	Location:	Contracted:	Comments:
Aircraft Deicing	No			
Aircraft Fueling	No			
Aircraft Maintenance	No			
Aircraft Painting/ Stripping	No			
Aircraft Sanitary Service	No			
Aircraft Washing	No			
Cargo Handling	No			
Chemical Storage	No			
Equipment Degreasing/ Washing	No			
Equipment Maintenance	No			
Equipment Storage	No			
Fuel Storage	Yes	Outside	No	Underground Gas tank
Fire Equipment Testing/ Flushing	No			
Floor Washdown	No			
Manufacturing	No			
Outdoor Apron Washdown	No			
Pesticide/Herbicide Use	No			
Potable Water Flushing	No			
Runway Deicing	No			
Runway Rubber Removal	No			
Steam Cleaning	No			
Vehicle Fueling	Yes	Inside	No	Rental Car fueling
Vehicle Maintenance	Yes	Inside	No	Minor repairs on the renal cars.
Vehicle Painting/ Stripping	Yes	Outside	No	
Vehicle Washing	Yes	Inside	No	Self-contained car wash
Water Tank Cleaning/ Washing	No			



CLT - Tenant Inspection

No.
00049

Activity	Current:	Location:	Contracted:	Comments:
Other	No			

Any solid or liquid material used or stored at your facility could have the potential to impact storm water if handled, stored, or used improperly. An inventory of these types of materials is listed below.

Potential Pollutants

Pollutant	Present:	Management: (state storage or management practice)	Comments:
Antifreeze	No		
De-Icing Chemicals	No		
Fuel & Lubricants	No		
Herbicides/Pesticides	No		
Lavatory Waste	No		
Oil and Grease	Yes	Motor oil stored in an Containment area	
Paint	No		
Detergents or Washwater	No		
Firefighting Agents	No		
Solvent	No		
Used Batteries	No		
Laboratory Chemicals	No		
Perfumes/Dyes	No		
Liquid or Solid Corrosives	No		
Used Vehicle Parts	No		
Parts Cleaners	No		
Other Products	No		
Sediment	No		



CLT - Semi-annual Stormwater

No.
00016

Facility Details

Facility Name

Remote Rental Car/ Enterprise

Address or Area

6425 Rackham Dr.

Facility Representative

Adam Dietz

Date(s) of Inspection

12/13/2023

Representative Participation?

Yes

Contact Information (phone and/or email)

860-805-7680/adietz@mvifieldsservices.com

Questions

1. Locate the storm drain locations at this facility (quantity/location)

2. Drains are free of debris?

Yes

Debris Note:

3. Are there visible signs of oil sheens leading to storm drains?

No

4. Is there evidence of spills of any kind to storm drains?

No

5. Has the tenant had any spills not previously reported to CLT?

No

Describe Unreported Previous Spill(s):

6. Are there hard pipe connections leading to the storm drains?

Yes

7. Are floor drains present inside the building?

Yes



CLT - Semi-annual Stormwater

No.
00016

8. Are any of the below products within 10 feet of a floor drain inside the building or near a grate drain outside the building?

a. Antifreeze

No

b. Batteries or Battery Acid

No

c. Pesticides

No

d. Fertilizers

No

e. Salt or Coal

No

f. Firefighting Foam

No

Does the tenant actively train with AFFF?

No

g. Garbage/Landfills

No

h. Oil Cans or Oil

No

i. Cleaning Agents

No

j. Degreasers

No

k. Sewerage Waste

No

l. Lavatory Chemicals

No

m. Paint/Paint Waste

No

n. De-Icing Fluid

No

9. Listed products (in question 8) should be stored in covered containers in an enclosed area

Yes

Product Storage Note:

10. Are large containers of liquids (over 660 gallons) present at this facility?

Yes

11. Containers over 660 gallons must be either;

Constructed of double-wall materials

12. Is there a secondary AST containment dike (or similar) present outside at this facility?

No

13. Does the dike contain a locking mechanism?

NA

14. Is the mechanism locked?

NA

15. Is there a log (available for review) of water released through the dike containing the date, time and quantity of release?

NA

16. Is there a refuse, scrap, recyclable or other-purposed dumpster in use at this facility?

Yes

Describe:

A 8yrd household dumpster

17. Are vehicles washed outside at the facility?



CLT - Semi-annual Stormwater

No.
00016

No

18. Does the tenant have a wash plan available?

Yes

19. Is the vehicle wash water/wastewater collected?

Yes

20. Are detergents biodegradable?

NA

Product Name: (See product label or MSDS)

21. Is there an active oil-water separator in use at this facility?

Yes

What is the cleanout frequency?

Quarterly

22. Does the tenant have manifests available to correspond with OWS service dates?

No

23. The OWS flows to:

Stormwater System

24. Is there evidence of soil erosion or excessive "muddy" water runoff at your facility?

No

Runoff Note:

25. Are there any structural BMPs on site?

Yes

BMP List:

Multiple curb inlets, curb cuts with rip rap Dissipators

26. Is there overall evidence of an obvious, non-stormwater discharge to the stormwater drains at this facility?

No

Discharge Note:

Overall site looks good

Other comments or concerns:



CLT - Tenant Inspection

No.
00051

Inspection Details

Facility Name:
Remote Rental Car/ Enterprise
Inspector Name:
Rick Talley

Inspection Date:
12/13/2023

Activities listed below are conducted at the airport and have potential to impact storm water.

Industrial Activities

Activity	Current:	Location:	Contracted:	Comments:
Aircraft Deicing	No			
Aircraft Fueling	No			
Aircraft Maintenance	No			
Aircraft Painting/ Stripping	No			
Aircraft Sanitary Service	No			
Aircraft Washing	No			
Cargo Handling	No			
Chemical Storage	No			
Equipment Degreasing/ Washing	No			
Equipment Maintenance	No			
Equipment Storage	No			
Fuel Storage	Yes	Outside	No	Underground Gas tanks
Fire Equipment Testing/ Flushing	No			
Floor Washdown	No			
Manufacturing	No			
Outdoor Apron Washdown	No			
Pesticide/Herbicide Use	No			
Potable Water Flushing	No			
Runway Deicing	No			
Runway Rubber Removal	No			
Steam Cleaning	No			
Vehicle Fueling	Yes	Inside	No	Rental car fueling
Vehicle Maintenance	Yes	Inside	No	Minor rental car repairs
Vehicle Painting/ Stripping	Yes	Outside	No	
Vehicle Washing	Yes	Inside	No	Self-contained car wash
Water Tank Cleaning/ Washing	No			
Other	No			



CLT - Tenant Inspection

Any solid or liquid material used or stored at your facility could have the potential to impact storm water if handled, stored, or used improperly. An inventory of these types of materials is listed below.

Potential Pollutants

Pollutant	Present:	Management: (state storage or management practice)	Comments:
Antifreeze	No		
De-Icing Chemicals	No		
Fuel & Lubricants	No		
Herbicides/Pesticides	No		
Lavatory Waste	No		
Oil and Grease	Yes	Motor oil stored in a containment area	
Paint	No		
Detergents or Washwater	No		
Firefighting Agents	No		
Solvent	No		
Used Batteries	No		
Laboratory Chemicals	No		
Perfumes/Dyes	No		
Liquid or Solid Corrosives	No		
Used Vehicle Parts	No		
Parts Cleaners	No		
Other Products	No		
Sediment	No		



Facility Details

Facility Name	Date(s) of Inspection
Remote Rental Car/ Hertz	12/13/2023
Address or Area	Representative Participation?
6515 Rackham Dr	Yes
Facility Representative	Contact Information (phone and/or email)
Adam Dietz	860-805-7680/adietz@mvifieldservices.com

Questions

1. Locate the storm drain locations at this facility (quantity/location)

2. Drains are free of debris?

Yes

Debris Note:

3. Are there visible signs of oil sheens leading to storm drains?

No

4. Is there evidence of spills of any kind to storm drains?

No

5. Has the tenant had any spills not previously reported to CLT?

No

Describe Unreported Previous Spill(s):

6. Are there hard pipe connections leading to the storm drains?

Yes

7. Are floor drains present inside the building?

Yes



CLT - Semi-annual Stormwater

No.
00015

8. Are any of the below products within 10 feet of a floor drain inside the building or near a grate drain outside the building?

a. Antifreeze

No

b. Batteries or Battery Acid

No

c. Pesticides

No

d. Fertilizers

No

e. Salt or Coal

No

f. Firefighting Foam

No

Does the tenant actively train with AFFF?

No

g. Garbage/Landfills

No

h. Oil Cans or Oil

No

i. Cleaning Agents

No

j. Degreasers

No

k. Sewerage Waste

No

l. Lavatory Chemicals

No

m. Paint/Paint Waste

No

n. De-Icing Fluid

No

9. Listed products (in question 8) should be stored in covered containers in an enclosed area

Yes

Product Storage Note:

10. Are large containers of liquids (over 660 gallons) present at this facility?

Yes

11. Containers over 660 gallons must be either;

Constructed of double-wall materials

12. Is there a secondary AST containment dike (or similar) present outside at this facility?

No

13. Does the dike contain a locking mechanism?

NA

14. Is the mechanism locked?

NA

15. Is there a log (available for review) of water released through the dike containing the date, time and quantity of release?

16. Is there a refuse, scrap, recyclable or other-purposed dumpster in use at this facility?

Yes

Describe:

A 8yrd household dumpster

17. Are vehicles washed outside at the facility?



CLT - Semi-annual Stormwater

No.
00015

Yes

18. Does the tenant have a wash plan available?

Yes

19. Is the vehicle wash water/wastewater collected?

Yes

20. Are detergents biodegradable?

NA

Product Name: (See product label or MSDS)

21. Is there an active oil-water separator in use at this facility?

Yes

What is the cleanout frequency?

Quarterly

22. Does the tenant have manifests available to correspond with OWS service dates?

No

23. The OWS flows to:

Stormwater System

24. Is there evidence of soil erosion or excessive "muddy" water runoff at your facility?

No

Runoff Note:

25. Are there any structural BMPs on site?

Yes

BMP List:

Multiple inlets, multiple curb cuts with rip rap Dissipators, Two dry ponds with sand filters

26. Is there overall evidence of an obvious, non-stormwater discharge to the stormwater drains at this facility?

No

Discharge Note:

Overall site looks good

Other comments or concerns:



CLT - Tenant Inspection

No.
00050

Inspection Details

Facility Name:
Remote Rental Car/ Hertz
Inspector Name:
Rick Talley

Inspection Date:
12/13/2023

Activities listed below are conducted at the airport and have potential to impact storm water.

Industrial Activities

Activity	Current:	Location:	Contracted:	Comments:
Aircraft Deicing	No			
Aircraft Fueling	No			
Aircraft Maintenance	No			
Aircraft Painting/ Stripping	No			
Aircraft Sanitary Service	No			
Aircraft Washing	No			
Cargo Handling	No			
Chemical Storage	No			
Equipment Degreasing/ Washing	No			
Equipment Maintenance	No			
Equipment Storage	No			
Fuel Storage	Yes	Outside	No	Underground Gas tanks.
Fire Equipment Testing/ Flushing	No			
Floor Washdown	No			
Manufacturing	No			
Outdoor Apron Washdown	No			
Pesticide/Herbicide Use	No			
Potable Water Flushing	No			
Runway Deicing	No			
Runway Rubber Removal	No			
Steam Cleaning	No			
Vehicle Fueling	Yes	Inside	No	Rental car fueling
Vehicle Maintenance	Yes	Inside	No	Minor repairs on the rental cars
Vehicle Painting/ Stripping	Yes	Outside	No	
Vehicle Washing	Yes	Inside	No	Self-contained car wash
Water Tank Cleaning/ Washing	No			



CLT - Tenant Inspection

No.
00050

Activity	Current:	Location:	Contracted:	Comments:
Other	No			

Any solid or liquid material used or stored at your facility could have the potential to impact storm water if handled, stored, or used improperly. An inventory of these types of materials is listed below.

Potential Pollutants

Pollutant	Present:	Management: (state storage or management practice)	Comments:
Antifreeze	No		
De-Icing Chemicals	No		
Fuel & Lubricants	No		
Herbicides/Pesticides	No		
Lavatory Waste	No		
Oil and Grease	Yes	Stored in and containment area	
Paint	No		
Detergents or Washwater	No		
Firefighting Agents	No		
Solvent	No		
Used Batteries	No		
Laboratory Chemicals	No		
Perfumes/Dyes	No		
Liquid or Solid Corrosives	No		
Used Vehicle Parts	No		
Parts Cleaners	No		
Other Products	No		
Sediment	No		



CLT - Semi-annual Stormwater

No.
00013

Facility Details

Facility Name

Remote Rental Car/ Sixt

Address or Area

6535 Rackham Dr

Facility Representative

Adam Dietz

Date(s) of Inspection

12/13/2023

Representative Participation?

Yes

Contact Information (phone and/or email)

850-805-7680/ adietz@mvifieldservices.com

Questions

1. Locate the storm drain locations at this facility (quantity/location)

2. Drains are free of debris?

Yes

Debris Note:

3. Are there visible signs of oil sheens leading to storm drains?

No

4. Is there evidence of spills of any kind to storm drains?

No

5. Has the tenant had any spills not previously reported to CLT?

No

Describe Unreported Previous Spill(s):

6. Are there hard pipe connections leading to the storm drains?

Yes

7. Are floor drains present inside the building?

Yes



CLT - Semi-annual Stormwater

No.
00013

8. Are any of the below products within 10 feet of a floor drain inside the building or near a grate drain outside the building?

a. Antifreeze

No

b. Batteries or Battery Acid

No

c. Pesticides

No

d. Fertilizers

No

e. Salt or Coal

No

f. Firefighting Foam

No

Does the tenant actively train with AFFF?

No

g. Garbage/Landfills

No

h. Oil Cans or Oil

No

i. Cleaning Agents

No

j. Degreasers

No

k. Sewerage Waste

No

l. Lavatory Chemicals

No

m. Paint/Paint Waste

No

n. De-Icing Fluid

No

9. Listed products (in question 8) should be stored in covered containers in an enclosed area

Yes

Product Storage Note:

10. Are large containers of liquids (over 660 gallons) present at this facility?

Yes

11. Containers over 660 gallons must be either;

Constructed of double-wall materials

12. Is there a secondary AST containment dike (or similar) present outside at this facility?

No

13. Does the dike contain a locking mechanism?

NA

14. Is the mechanism locked?

NA

15. Is there a log (available for review) of water released through the dike containing the date, time and quantity of release?

NA

16. Is there a refuse, scrap, recyclable or other-purposed dumpster in use at this facility?

Yes

Describe:

One 8ths household dumpster in a covered building

17. Are vehicles washed outside at the facility?



CLT - Semi-annual Stormwater

No.
00013

No

18. Does the tenant have a wash plan available?

Yes

19. Is the vehicle wash water/wastewater collected?

Yes

20. Are detergents biodegradable?

NA

Product Name: (See product label or MSDS)

21. Is there an active oil-water separator in use at this facility?

Yes

What is the cleanout frequency?

Quarterly

22. Does the tenant have manifests available to correspond with OWS service dates?

No

23. The OWS flows to:

Stormwater System

24. Is there evidence of soil erosion or excessive "muddy" water runoff at your facility?

No

Runoff Note:

25. Are there any structural BMPs on site?

Yes

BMP List:

Two dry ponds with sand filters, several curb inlets

26. Is there overall evidence of an obvious, non-stormwater discharge to the stormwater drains at this facility?

No

Discharge Note:

Overall site looks good

Other comments or concerns:



CLT - Tenant Inspection

No.
00048

Inspection Details

Facility Name:
Remote Rental Car/ Sixt
Inspector Name:
Rick Talley

Inspection Date:
12/13/2023

Activities listed below are conducted at the airport and have potential to impact storm water.

Industrial Activities

Activity	Current:	Location:	Contracted:	Comments:
Aircraft Deicing	No			
Aircraft Fueling	No			
Aircraft Maintenance	No			
Aircraft Painting/ Stripping	No			
Aircraft Sanitary Service	No			
Aircraft Washing	No			
Cargo Handling	No			
Chemical Storage	No			
Equipment Degreasing/ Washing	No			
Equipment Maintenance	No			
Equipment Storage	No			
Fuel Storage	Yes	Outside	No	Gas UST
Fire Equipment Testing/ Flushing	No			
Floor Washdown	No			
Manufacturing	No			
Outdoor Apron Washdown	No			
Pesticide/Herbicide Use	No			
Potable Water Flushing	No			
Runway Deicing	No			
Runway Rubber Removal	No			
Steam Cleaning	No			
Vehicle Fueling	Yes	Outside	No	rental car fueling
Vehicle Maintenance	Yes	Inside	No	Minor repairs
Vehicle Painting/ Stripping	Yes	Outside	No	
Vehicle Washing	Yes	Inside	No	Self-contained car wash
Water Tank Cleaning/ Washing	No			



CLT - Tenant Inspection

No.
00048

Activity	Current:	Location:	Contracted:	Comments:
Other	No	Outside Covered	No	

Any solid or liquid material used or stored at your facility could have the potential to impact storm water if handled, stored, or used improperly. An inventory of these types of materials is listed below.

Potential Pollutants

Pollutant	Present:	Management: (state storage or management practice)	Comments:
Antifreeze	No		
De-Icing Chemicals	No		
Fuel & Lubricants	No		
Herbicides/Pesticides	No		
Lavatory Waste	No		
Oil and Grease	Yes	motor oil, stored in a containment area	
Paint	No		
Detergents or Washwater	No		
Firefighting Agents	No		
Solvent	No		
Used Batteries	No		
Laboratory Chemicals	No		
Perfumes/Dyes	No		
Liquid or Solid Corrosives	No		
Used Vehicle Parts	No		
Parts Cleaners	No		
Other Products	No		
Sediment	No		



CLT - Semi-annual Stormwater

No.
00017

Facility Details

Facility Name	Date(s) of Inspection
Remote Rental Car Lot/ Parking Deck	12/13/2023
Address or Area	Representative Participation?
5489 Josh Birmingham Pkwy	Yes
Facility Representative	Contact Information (phone and/or email)
Adam Dietz	860-805-7680/ adietz@mvifieldservices.com

Questions

1. Locate the storm drain locations at this facility (quantity/location)

2. Drains are free of debris?

Yes

Debris Note:

3. Are there visible signs of oil sheens leading to storm drains?

No

4. Is there evidence of spills of any kind to storm drains?

No

5. Has the tenant had any spills not previously reported to CLT?

No

Describe Unreported Previous Spill(s):

6. Are there hard pipe connections leading to the storm drains?

No

7. Are floor drains present inside the building?

Yes



CLT - Semi-annual Stormwater

No.
00017

8. Are any of the below products within 10 feet of a floor drain inside the building or near a grate drain outside the building?

a. Antifreeze

No

b. Batteries or Battery Acid

No

c. Pesticides

No

d. Fertilizers

No

e. Salt or Coal

No

f. Firefighting Foam

No

Does the tenant actively train with AFFF?

No

g. Garbage/Landfills

No

h. Oil Cans or Oil

No

i. Cleaning Agents

No

j. Degreasers

No

k. Sewerage Waste

No

l. Lavatory Chemicals

No

m. Paint/Paint Waste

No

n. De-Icing Fluid

No

9. Listed products (in question 8) should be stored in covered containers in an enclosed area

Yes

Product Storage Note:

10. Are large containers of liquids (over 660 gallons) present at this facility?

Yes

11. Containers over 660 gallons must be either;

Constructed of double-wall materials

12. Is there a secondary AST containment dike (or similar) present outside at this facility?

No

13. Does the dike contain a locking mechanism?

NA

14. Is the mechanism locked?

NA

15. Is there a log (available for review) of water released through the dike containing the date, time and quantity of release?

NA

16. Is there a refuse, scrap, recyclable or other-purposed dumpster in use at this facility?

Yes

Describe:

One 8yrd Household Compactor, and one 8yrd Recycling compactor

17. Are vehicles washed outside at the facility?



CLT - Semi-annual Stormwater

No.
00017

No

18. Does the tenant have a wash plan available?

Yes

19. Is the vehicle wash water/wastewater collected?

Yes

20. Are detergents biodegradable?

NA

Product Name: (See product label or MSDS)

21. Is there an active oil-water separator in use at this facility?

Yes

What is the cleanout frequency?

Quarterly

22. Does the tenant have manifests available to correspond with OWS service dates?

No

23. The OWS flows to:

Sanitary Sewer

24. Is there evidence of soil erosion or excessive "muddy" water runoff at your facility?

No

Runoff Note:

25. Are there any structural BMPs on site?

No

BMP List:

26. Is there overall evidence of an obvious, non-stormwater discharge to the stormwater drains at this facility?

No

Discharge Note:

Overall site looks good

Other comments or concerns:



CLT - Tenant Inspection

No.
00052

Inspection Details

Facility Name:
Remote Renal Car/ Hourly Parking Deck
Inspector Name:
Rick Talley

Inspection Date:
12/13/2023

Activities listed below are conducted at the airport and have potential to impact storm water.

Industrial Activities

Activity	Current:	Location:	Contracted:	Comments:
Aircraft Deicing	No			
Aircraft Fueling	No			
Aircraft Maintenance	No			
Aircraft Painting/ Stripping	No			
Aircraft Sanitary Service	No			
Aircraft Washing	No			
Cargo Handling	No			
Chemical Storage	No			
Equipment Degreasing/ Washing	No			
Equipment Maintenance	No			
Equipment Storage	No			
Fuel Storage	Yes	Outside	No	Two above ground gas tanks in a containment area
Fire Equipment Testing/ Flushing	No			
Floor Washdown	No			
Manufacturing	No			
Outdoor Apron Washdown	No			
Pesticide/Herbicide Use	No			
Potable Water Flushing	No			
Runway Deicing	No			
Runway Rubber Removal	No			
Steam Cleaning	No			
Vehicle Fueling	Yes	Inside	No	Rental car fueling
Vehicle Maintenance	Yes	Inside	No	Minor car repairs
Vehicle Painting/ Stripping	Yes	Outside	No	
Vehicle Washing	Yes	Inside	No	Self-contained car wash
Water Tank Cleaning/ Washing	No			



CLT - Tenant Inspection

No.
00052

Activity	Current:	Location:	Contracted:	Comments:
Other	No			

Any solid or liquid material used or stored at your facility could have the potential to impact storm water if handled, stored, or used improperly. An inventory of these types of materials is listed below.

Potential Pollutants

Pollutant	Present:	Management: (state storage or management practice)	Comments:
Antifreeze	No		
De-Icing Chemicals	No		
Fuel & Lubricants	No		
Herbicides/Pesticides	No		
Lavatory Waste	No		
Oil and Grease	Yes	Motor oil in a containment area	
Paint	No		
Detergents or Washwater	No		
Firefighting Agents	No		
Solvent	No		
Used Batteries	No		
Laboratory Chemicals	No		
Perfumes/Dyes	No		
Liquid or Solid Corrosives	No		
Used Vehicle Parts	No		
Parts Cleaners	No		
Other Products	No		
Sediment	No		



Facility Details

Facility Name

Spirit / UNIFI

Address or Area

Bldg 100

Facility Representative

Jennifer Casallas

Date(s) of Inspection

10-30-23

Representative Participation?

Yes

Contact Information (phone and/or email)

jennifercasallas@unifiservice.com

Questions

1. Locate the storm drain locations at this facility (quantity/location)

2. Drains are free of debris?

Yes

Debris Note:

No available storm drains

3. Are there visible signs of oil sheens leading to storm drains?

No

4. Is there evidence of spills of any kind to storm drains?

No

5. Has the tenant had any spills not previously reported to CLT?

No

Describe Unreported Previous Spill(s):

6. Are there hard pipe connections leading to the storm drains?

No

7. Are floor drains present inside the building?

No



CLT - Semi-annual Stormwater

No.
00003

8. Are any of the below products within 10 feet of a floor drain inside the building or near a grate drain outside the building?

a. Antifreeze

No

b. Batteries or Battery Acid

No

c. Pesticides

No

d. Fertilizers

No

e. Salt or Coal

No

f. Firefighting Foam

No

Does the tenant actively train with AFFF?

No

g. Garbage/Landfills

No

h. Oil Cans or Oil

No

i. Cleaning Agents

No

j. Degreasers

No

k. Sewerage Waste

No

l. Lavatory Chemicals

No

m. Paint/Paint Waste

No

n. De-Icing Fluid

No

9. Listed products (in question 8) should be stored in covered containers in an enclosed area

Yes

Product Storage Note:

Only off the shelf gp cleaners on-hand.

10. Are large containers of liquids (over 660 gallons) present at this facility?

No

11. Containers over 660 gallons must be either;

12. Is there a secondary AST containment dike (or similar) present outside at this facility?

No

13. Does the dike contain a locking mechanism?

NA

14. Is the mechanism locked?

NA

15. Is there a log (available for review) of water released through the dike containing the date, time and quantity of release?

NA

16. Is there a refuse, scrap, recyclable or other-purposed dumpster in use at this facility?

No

Describe:

All trash receptacles in tenant area are serviced by airport.

17. Are vehicles washed outside at the facility?



CLT - Semi-annual Stormwater

No.
00003

No

18. Does the tenant have a wash plan available?

NA

19. Is the vehicle wash water/wastewater collected?

NA

20. Are detergents biodegradable?

NA

Product Name: (See product label or MSDS)

21. Is there an active oil-water separator in use at this facility?

No

22. Does the tenant have manifests available to correspond with OWS service dates?

No

23. The OWS flows to:

24. Is there evidence of soil erosion or excessive "muddy" water runoff at your facility?

No

Runoff Note:

25. Are there any structural BMPs on site?

No

BMP List:

26. Is there overall evidence of an obvious, non-stormwater discharge to the stormwater drains at this facility?

No

Discharge Note:

Other comments or concerns:

Tenant area is limited to passenger waiting, ramps, and areas immediately adjacent to ramps.



CLT - Tenant Inspection

No.
00003

Inspection Details

Facility Name:

Spirit UNIFI

Inspection Date:

10/30/2023

Inspector Name:

Chris Alexander

Activities listed below are conducted at the airport and have potential to impact storm water.

Industrial Activities

Activity	Current:	Location:	Contracted:	Comments:
Aircraft Deicing	No			
Aircraft Fueling	Yes	Outside	Yes	
Aircraft Maintenance	No			
Aircraft Painting/ Stripping	No			
Aircraft Sanitary Service	Yes	Outside	No	
Aircraft Washing	No			
Cargo Handling	No			
Chemical Storage	No			
Equipment Degreasing/ Washing	No			
Equipment Maintenance	No			
Equipment Storage	No			
Fuel Storage	No			
Fire Equipment Testing/ Flushing	No			
Floor Washdown	No			
Manufacturing	No			
Outdoor Apron Washdown	No			
Pesticide/Herbicide Use	No			
Potable Water Flushing	No			
Runway Deicing	No			
Runway Rubber Removal	No			
Steam Cleaning	No			
Vehicle Fueling	Yes	Outside	Yes	
Vehicle Maintenance	No			
Vehicle Painting/ Stripping	No			
Vehicle Washing	No			
Water Tank Cleaning/ Washing	No			
Other	No			



CLT - Tenant Inspection

Any solid or liquid material used or stored at your facility could have the potential to impact storm water if handled, stored, or used improperly. An inventory of these types of materials is listed below.

Potential Pollutants

Pollutant	Present:	Management: (state storage or management practice)	Comments:
Antifreeze	No		
De-Icing Chemicals	No		
Fuel & Lubricants	No		Fueling is performed by third party contractor via mobile fueling truck.
Herbicides/Pesticides	No		
Lavatory Waste	No	Lavatory waste is routed to sanitary system.	
Oil and Grease	No		
Paint	No		
Detergents or Washwater	No		
Firefighting Agents	No		
Solvent	No		
Used Batteries	No		
Laboratory Chemicals	No		
Perfumes/Dyes	No		
Liquid or Solid Corrosives	No		
Used Vehicle Parts	No		
Parts Cleaners	No		
Other Products	No		
Sediment	No		



Facility Details

Facility Name	Date(s) of Inspection
STS Line Maintenance	12/20/2023
Address or Area	Representative Participation?
4818-B Express Drive	Yes
Facility Representative	Contact Information (phone and/or email)
Demetrius Lang	704-999-1958/ Demetrius.lang@stslm.com

Questions

1. Locate the storm drain locations at this facility (quantity/location)

2. Drains are free of debris?

Yes

Debris Note:

3. Are there visible signs of oil sheens leading to storm drains?

No

4. Is there evidence of spills of any kind to storm drains?

No

5. Has the tenant had any spills not previously reported to CLT?

No

Describe Unreported Previous Spill(s):

6. Are there hard pipe connections leading to the storm drains?

No

7. Are floor drains present inside the building?

No



CLT - Semi-annual Stormwater

No.
00033

8. Are any of the below products within 10 feet of a floor drain inside the building or near a grate drain outside the building?

a. Antifreeze

No

b. Batteries or Battery Acid

No

c. Pesticides

No

d. Fertilizers

No

e. Salt or Coal

No

f. Firefighting Foam

No

Does the tenant actively train with AFFF?

No

g. Garbage/Landfills

No

h. Oil Cans or Oil

No

i. Cleaning Agents

No

j. Degreasers

No

k. Sewerage Waste

No

l. Lavatory Chemicals

No

m. Paint/Paint Waste

No

n. De-Icing Fluid

No

9. Listed products (in question 8) should be stored in covered containers in an enclosed area

Yes

Product Storage Note:

10. Are large containers of liquids (over 660 gallons) present at this facility?

No

11. Containers over 660 gallons must be either;

12. Is there a secondary AST containment dike (or similar) present outside at this facility?

No

13. Does the dike contain a locking mechanism?

NA

14. Is the mechanism locked?

15. Is there a log (available for review) of water released through the dike containing the date, time and quantity of release?

NA

16. Is there a refuse, scrap, recyclable or other-purposed dumpster in use at this facility?

No

Describe:

17. Are vehicles washed outside at the facility?



CLT - Semi-annual Stormwater

No.
00033

Yes

18. Does the tenant have a wash plan available?

Yes

19. Is the vehicle wash water/wastewater collected?

No

20. Are detergents biodegradable?

Yes

Product Name: (See product label or MSDS)

Simply green

21. Is there an active oil-water separator in use at this facility?

No

22. Does the tenant have manifests available to correspond with OWS service dates?

No

23. The OWS flows to:

Unknown

24. Is there evidence of soil erosion or excessive "muddy" water runoff at your facility?

No

Runoff Note:

25. Are there any structural BMPs on site?

No

BMP List:

26. Is there overall evidence of an obvious, non-stormwater discharge to the stormwater drains at this facility?

No

Discharge Note:

Other comments or concerns:

There's one catch basin on site, Overall site looks good



CLT - Tenant Inspection

No.
00066

Inspection Details

Facility Name:
STS Line Maintenance
Inspector Name:
Rick Talley

Inspection Date:
12/20/2023

Activities listed below are conducted at the airport and have potential to impact storm water.

Industrial Activities

Activity	Current:	Location:	Contracted:	Comments:
Aircraft Deicing	No			
Aircraft Fueling	No			
Aircraft Maintenance	Yes	Outside	No	
Aircraft Painting/ Stripping	No			
Aircraft Sanitary Service	No			
Aircraft Washing	No			
Cargo Handling	No			
Chemical Storage	Yes	Inside	No	
Equipment Degreasing/ Washing	No			
Equipment Maintenance	No			
Equipment Storage	No			
Fuel Storage	No			
Fire Equipment Testing/ Flushing	No			
Floor Washdown	No			
Manufacturing	No			
Outdoor Apron Washdown	No			
Pesticide/Herbicide Use	No			
Potable Water Flushing	No			
Runway Deicing	No			
Runway Rubber Removal	No			
Steam Cleaning	No			
Vehicle Fueling	No			
Vehicle Maintenance	Yes	Inside	No	
Vehicle Painting/ Stripping	No			
Vehicle Washing	Yes	Outside	No	
Water Tank Cleaning/ Washing	No			
Other	No			



CLT - Tenant Inspection

No.
00066

Any solid or liquid material used or stored at your facility could have the potential to impact storm water if handled, stored, or used improperly. An inventory of these types of materials is listed below.

Potential Pollutants

Pollutant	Present:	Management: (state storage or management practice)	Comments:
Antifreeze	No		
De-Icing Chemicals	No		
Fuel & Lubricants	Yes	In containment	
Herbicides/Pesticides	No		
Lavatory Waste	No		
Oil and Grease	Yes	In containment	
Paint	Yes	Off the shelf products	
Detergents or Washwater	Yes		Simple Green
Firefighting Agents	No		
Solvent	No		
Used Batteries	No		
Laboratory Chemicals	No		
Perfumes/Dyes	No		
Liquid or Solid Corrosives	No		
Used Vehicle Parts	No		
Parts Cleaners	No		
Other Products	No		
Sediment	No		



CLT - Semi-annual Stormwater

No.
00023

Facility Details

Facility Name	Date(s) of Inspection
Sunshine Cleaners	12/18/2023
Address or Area	Representative Participation?
4732-H West Blvd.	Yes
Facility Representative	Contact Information (phone and/or email)
Cy Angelos	954-772-0884/ cangelos@sunclean.com

Questions

1. Locate the storm drain locations at this facility (quantity/location)

2. Drains are free of debris?

Yes

Debris Note:

3. Are there visible signs of oil sheens leading to storm drains?

No

4. Is there evidence of spills of any kind to storm drains?

No

5. Has the tenant had any spills not previously reported to CLT?

No

Describe Unreported Previous Spill(s):

6. Are there hard pipe connections leading to the storm drains?

No

7. Are floor drains present inside the building?

No



CLT - Semi-annual Stormwater

No.
00023

8. Are any of the below products within 10 feet of a floor drain inside the building or near a grate drain outside the building?

a. Antifreeze

No

b. Batteries or Battery Acid

No

c. Pesticides

No

d. Fertilizers

No

e. Salt or Coal

No

f. Firefighting Foam

No

Does the tenant actively train with AFFF?

No

g. Garbage/Landfills

No

h. Oil Cans or Oil

No

i. Cleaning Agents

No

j. Degreasers

No

k. Sewerage Waste

No

l. Lavatory Chemicals

No

m. Paint/Paint Waste

No

n. De-Icing Fluid

No

9. Listed products (in question 8) should be stored in covered containers in an enclosed area

Yes

Product Storage Note:

10. Are large containers of liquids (over 660 gallons) present at this facility?

No

11. Containers over 660 gallons must be either;

12. Is there a secondary AST containment dike (or similar) present outside at this facility?

No

13. Does the dike contain a locking mechanism?

NA

14. Is the mechanism locked?

NA

15. Is there a log (available for review) of water released through the dike containing the date, time and quantity of release?

NA

16. Is there a refuse, scrap, recyclable or other-purposed dumpster in use at this facility?

Yes

Describe:

One shared 8yrd dumpster household

17. Are vehicles washed outside at the facility?



CLT - Semi-annual Stormwater

No.
00023

No

18. Does the tenant have a wash plan available?

NA

19. Is the vehicle wash water/wastewater collected?

NA

20. Are detergents biodegradable?

NA

Product Name: (See product label or MSDS)

21. Is there an active oil-water separator in use at this facility?

No

22. Does the tenant have manifests available to correspond with OWS service dates?

No

23. The OWS flows to:

Unknown

24. Is there evidence of soil erosion or excessive "muddy" water runoff at your facility?

No

Runoff Note:

25. Are there any structural BMPs on site?

No

BMP List:

26. Is there overall evidence of an obvious, non-stormwater discharge to the stormwater drains at this facility?

No

Discharge Note:

Other comments or concerns:

There's Two Inlets in the rear parking area, Cy wasn't on site but one of his employees was there and he was very helpful.



CLT - Tenant Inspection

No.
00056

Inspection Details

Facility Name:
Sunshine Cleaners
Inspector Name:
Rick Talley

Inspection Date:
12/18/2023

Activities listed below are conducted at the airport and have potential to impact storm water.

Industrial Activities

Activity	Current:	Location:	Contracted:	Comments:
Aircraft Deicing	No			
Aircraft Fueling	No			
Aircraft Maintenance	No			
Aircraft Painting/ Stripping	No			
Aircraft Sanitary Service	No			
Aircraft Washing	No			
Cargo Handling	No			
Chemical Storage	No			
Equipment Degreasing/ Washing	No			
Equipment Maintenance	No			
Equipment Storage	No			
Fuel Storage	No			
Fire Equipment Testing/ Flushing	No			
Floor Washdown	No			
Manufacturing	No			
Outdoor Apron Washdown	No			
Pesticide/Herbicide Use	No			
Potable Water Flushing	No			
Runway Deicing	No			
Runway Rubber Removal	No			
Steam Cleaning	No			
Vehicle Fueling	No			
Vehicle Maintenance	No			
Vehicle Painting/ Stripping	No			
Vehicle Washing	No			
Water Tank Cleaning/ Washing	No			
Other	No			



CLT - Tenant Inspection

Any solid or liquid material used or stored at your facility could have the potential to impact storm water if handled, stored, or used improperly. An inventory of these types of materials is listed below.

Potential Pollutants

Pollutant	Present:	Management: (state storage or management practice)	Comments:
Antifreeze	No		
De-Icing Chemicals	No		
Fuel & Lubricants	No		
Herbicides/Pesticides	No		
Lavatory Waste	No		
Oil and Grease	No		
Paint	No		
Detergents or Washwater	No		
Firefighting Agents	No		
Solvent	No		
Used Batteries	No		
Laboratory Chemicals	No		
Perfumes/Dyes	No		
Liquid or Solid Corrosives	No		
Used Vehicle Parts	No		
Parts Cleaners	No		
Other Products	No		
Sediment	No		



CLT - Semi-annual Stormwater

No.
00005

Facility Details

Facility Name

UPS

Address or Area

4404 Yorkmont Rd

Facility Representative

Danny Ndingwan

Date(s) of Inspection

10-31-23

Representative Participation?

Yes

Contact Information (phone and/or email)

Dndingwan@ups.com

Questions

1. Locate the storm drain locations at this facility (quantity/location)

2. Drains are free of debris?

Yes

Debris Note:

Standing water in system likely due to OWS design.

3. Are there visible signs of oil sheens leading to storm drains?

No

4. Is there evidence of spills of any kind to storm drains?

No

5. Has the tenant had any spills not previously reported to CLT?

No

Describe Unreported Previous Spill(s):

6. Are there hard pipe connections leading to the storm drains?

No

7. Are floor drains present inside the building?

Yes



CLT - Semi-annual Stormwater

No.
00005

8. Are any of the below products within 10 feet of a floor drain inside the building or near a grate drain outside the building?

a. Antifreeze

No

b. Batteries or Battery Acid

No

c. Pesticides

No

d. Fertilizers

No

e. Salt or Coal

No

f. Firefighting Foam

No

Does the tenant actively train with AFFF?

No

g. Garbage/Landfills

No

h. Oil Cans or Oil

No

i. Cleaning Agents

No

j. Degreasers

No

k. Sewerage Waste

No

l. Lavatory Chemicals

No

m. Paint/Paint Waste

No

n. De-Icing Fluid

No

9. Listed products (in question 8) should be stored in covered containers in an enclosed area

Yes

Product Storage Note:

10. Are large containers of liquids (over 660 gallons) present at this facility?

No

11. Containers over 660 gallons must be either;

12. Is there a secondary AST containment dike (or similar) present outside at this facility?

No

13. Does the dike contain a locking mechanism?

NA

14. Is the mechanism locked?

NA

15. Is there a log (available for review) of water released through the dike containing the date, time and quantity of release?

NA

16. Is there a refuse, scrap, recyclable or other-purposed dumpster in use at this facility?

Yes

Describe:

Lidded dumpsters for cardboard and general refuse.

17. Are vehicles washed outside at the facility?



CLT - Semi-annual Stormwater

No.
00005

No

18. Does the tenant have a wash plan available?

NA

19. Is the vehicle wash water/wastewater collected?

NA

20. Are detergents biodegradable?

NA

Product Name: (See product label or MSDS)

21. Is there an active oil-water separator in use at this facility?

Yes

What is the cleanout frequency?

Unknown

22. Does the tenant have manifests available to correspond with OWS service dates?

No

23. The OWS flows to:

Unknown

24. Is there evidence of soil erosion or excessive "muddy" water runoff at your facility?

No

Runoff Note:

25. Are there any structural BMPs on site?

No

BMP List:

26. Is there overall evidence of an obvious, non-stormwater discharge to the stormwater drains at this facility?

No

Discharge Note:

Other comments or concerns:

OWS is built into floor drain inside. Unsure of size or layout.



CLT - Tenant Inspection

No.
00005

Inspection Details

Facility Name:

UPS

Inspection Date:

10/31/2023

Inspector Name:

Chris Alexander

Activities listed below are conducted at the airport and have potential to impact storm water.

Industrial Activities

Activity	Current:	Location:	Contracted:	Comments:
Aircraft Deicing	No			
Aircraft Fueling	Yes	Outside	Yes	Menzies mobile fueler.
Aircraft Maintenance	Yes	Both	No	
Aircraft Painting/ Stripping	No			
Aircraft Sanitary Service	Yes	Outside	Yes	
Aircraft Washing	No			
Cargo Handling	Yes	Both	No	
Chemical Storage	Yes	Inside	No	All products are off the shelf and <5-gal in size.
Equipment Degreasing/ Washing	No			
Equipment Maintenance	Yes	Both	No	
Equipment Storage	Yes	Both	No	
Fuel Storage	No			
Fire Equipment Testing/ Flushing	No			
Floor Washdown	No			
Manufacturing	No			
Outdoor Apron Washdown	No			
Pesticide/Herbicide Use	Yes	Both	Yes	Contracted pest company.
Potable Water Flushing	No			
Runway Deicing	No			
Runway Rubber Removal	No			
Steam Cleaning	No			
Vehicle Fueling	No			
Vehicle Maintenance	Yes	Both	No	
Vehicle Painting/ Stripping	No			
Vehicle Washing	No			
Water Tank Cleaning/ Washing	No			



CLT - Tenant Inspection

No.
00005

Activity	Current:	Location:	Contracted:	Comments:
Other	No			

Any solid or liquid material used or stored at your facility could have the potential to impact storm water if handled, stored, or used improperly. An inventory of these types of materials is listed below.

Potential Pollutants

Pollutant	Present:	Management: (state storage or management practice)	Comments:
Antifreeze	No		
De-Icing Chemicals	No		
Fuel & Lubricants	Yes	Used oil is stored in drums on secondary containment.	
Herbicides/Pesticides	No		
Lavatory Waste	No	Lavatory maintenance is conducted and waste removed by third party contractor.	
Oil and Grease	Yes	Stored in appropriate containers inside secondary containment lockers.	
Paint	No		
Detergents or Washwater	No		
Firefighting Agents	No		
Solvent	Yes	Incidental off the shelf type, aerosol lubricant/penetrant stored at n secondary containment lockers.	
Used Batteries	Yes	Small cell batteries are collected for recycling and stored in vendor supplied collection box. Large cell batteries are not retained and are turned in for recycling soon after removal.	
Laboratory Chemicals	No		
Perfumes/Dyes	No		
Liquid or Solid Corrosives	No		
Used Vehicle Parts	No		
Parts Cleaners	No		
Other Products	No		
Sediment	No		



Facility Details

Facility Name

Wilson Air Center - Autobell

Address or Area

5111 C Morris Field Drive Bldg 312

Facility Representative

Todd Rivard

Date(s) of Inspection

11/3/23

Representative Participation?

Yes

Contact Information (phone and/or email)

Trivard@wilsonair.com

Questions

1. Locate the storm drain locations at this facility (quantity/location)

2. Drains are free of debris?

Yes

Debris Note:

3. Are there visible signs of oil sheens leading to storm drains?

No

4. Is there evidence of spills of any kind to storm drains?

No

5. Has the tenant had any spills not previously reported to CLT?

No

Describe Unreported Previous Spill(s):

6. Are there hard pipe connections leading to the storm drains?

No

7. Are floor drains present inside the building?

Yes



CLT - Semi-annual Stormwater

No.
00057

8. Are any of the below products within 10 feet of a floor drain inside the building or near a grate drain outside the building?

a. Antifreeze

No

b. Batteries or Battery Acid

No

c. Pesticides

No

d. Fertilizers

No

e. Salt or Coal

No

f. Firefighting Foam

No

Does the tenant actively train with AFFF?

No

g. Garbage/Landfills

No

h. Oil Cans or Oil

No

i. Cleaning Agents

No

j. Degreasers

No

k. Sewerage Waste

No

l. Lavatory Chemicals

No

m. Paint/Paint Waste

No

n. De-Icing Fluid

No

9. Listed products (in question 8) should be stored in covered containers in an enclosed area

Yes

Product Storage Note:

10. Are large containers of liquids (over 660 gallons) present at this facility?

No

11. Containers over 660 gallons must be either;

12. Is there a secondary AST containment dike (or similar) present outside at this facility?

No

13. Does the dike contain a locking mechanism?

NA

14. Is the mechanism locked?

NA

15. Is there a log (available for review) of water released through the dike containing the date, time and quantity of release?

NA

16. Is there a refuse, scrap, recyclable or other-purposed dumpster in use at this facility?

No

Describe:

17. Are vehicles washed outside at the facility?



CLT - Semi-annual Stormwater

No.
00057

No

18. Does the tenant have a wash plan available?

NA

19. Is the vehicle wash water/wastewater collected?

NA

20. Are detergents biodegradable?

NA

Product Name: (See product label or MSDS)

21. Is there an active oil-water separator in use at this facility?

Yes

What is the cleanout frequency?

Unknown

22. Does the tenant have manifests available to correspond with OWS service dates?

No

23. The OWS flows to:

Stormwater System

24. Is there evidence of soil erosion or excessive "muddy" water runoff at your facility?

No

Runoff Note:

25. Are there any structural BMPs on site?

No

BMP List:

26. Is there overall evidence of an obvious, non-stormwater discharge to the stormwater drains at this facility?

No

Discharge Note:

Other comments or concerns:



CLT - Tenant Inspection

No.
00031

Inspection Details

Facility Name:

WAC - Autobell

Inspection Date:

11/3/2023

Inspector Name:

Chris Alexander

Activities listed below are conducted at the airport and have potential to impact storm water.

Industrial Activities

Activity	Current:	Location:	Contracted:	Comments:
Aircraft Deicing	No			
Aircraft Fueling	No			
Aircraft Maintenance	No			
Aircraft Painting/ Stripping	No			
Aircraft Sanitary Service	No			
Aircraft Washing	No			
Cargo Handling	No			
Chemical Storage	No			
Equipment Degreasing/ Washing	No			
Equipment Maintenance	No			
Equipment Storage	No			
Fuel Storage	No			
Fire Equipment Testing/ Flushing	No			
Floor Washdown	No			
Manufacturing	No			
Outdoor Apron Washdown	No			
Pesticide/Herbicide Use	No			
Potable Water Flushing	No			
Runway Deicing	No			
Runway Rubber Removal	No			
Steam Cleaning	No			
Vehicle Fueling	No			
Vehicle Maintenance	No			
Vehicle Painting/ Stripping	No			
Vehicle Washing	No			
Water Tank Cleaning/ Washing	No			
Other	No			



CLT - Tenant Inspection

Any solid or liquid material used or stored at your facility could have the potential to impact storm water if handled, stored, or used improperly. An inventory of these types of materials is listed below.

Potential Pollutants

Pollutant	Present:	Management: (state storage or management practice)	Comments:
Antifreeze	No		
De-Icing Chemicals	No		
Fuel & Lubricants	No		
Herbicides/Pesticides	No		
Lavatory Waste	No		
Oil and Grease	No		
Paint	No		
Detergents or Washwater	No		
Firefighting Agents	No		
Solvent	No		
Used Batteries	No		
Laboratory Chemicals	No		
Perfumes/Dyes	No		
Liquid or Solid Corrosives	No		
Used Vehicle Parts	No		
Parts Cleaners	No		
Other Products	No		
Sediment	No		



CLT - Semi-annual Stormwater

No.
00072

Facility Details

Facility Name	Date(s) of Inspection
Bank of America (Wilson Air Center)	11/3/23
Address or Area	Representative Participation?
5416 Airport Drive Bldg 319	Yes
Facility Representative	Contact Information (phone and/or email)
Todd Rivard	Trivard@wilsonair.com

Questions

1. Locate the storm drain locations at this facility (quantity/location)

2. Drains are free of debris?

Yes

Debris Note:

3. Are there visible signs of oil sheens leading to storm drains?

No

4. Is there evidence of spills of any kind to storm drains?

No

5. Has the tenant had any spills not previously reported to CLT?

No

Describe Unreported Previous Spill(s):

6. Are there hard pipe connections leading to the storm drains?

No

7. Are floor drains present inside the building?

Yes



CLT - Semi-annual Stormwater

No.
00072

8. Are any of the below products within 10 feet of a floor drain inside the building or near a grate drain outside the building?

a. Antifreeze

No

b. Batteries or Battery Acid

No

c. Pesticides

No

d. Fertilizers

No

e. Salt or Coal

No

f. Firefighting Foam

Yes

Does the tenant actively train with AFFF?

No

g. Garbage/Landfills

No

h. Oil Cans or Oil

No

i. Cleaning Agents

No

j. Degreasers

No

k. Sewerage Waste

No

l. Lavatory Chemicals

No

m. Paint/Paint Waste

No

n. De-Icing Fluid

No

9. Listed products (in question 8) should be stored in covered containers in an enclosed area

Product Storage Note:

10. Are large containers of liquids (over 660 gallons) present at this facility?

Yes

11. Containers over 660 gallons must be either;

Constructed of double-wall materials

12. Is there a secondary AST containment dike (or similar) present outside at this facility?

No

13. Does the dike contain a locking mechanism?

NA

14. Is the mechanism locked?

NA

15. Is there a log (available for review) of water released through the dike containing the date, time and quantity of release?

NA

16. Is there a refuse, scrap, recyclable or other-purposed dumpster in use at this facility?

Yes

Describe:

Lidded refuse

17. Are vehicles washed outside at the facility?



CLT - Semi-annual Stormwater

No.
00072

Yes

18. Does the tenant have a wash plan available?

NA

19. Is the vehicle wash water/wastewater collected?

Yes

20. Are detergents biodegradable?

NA

Product Name: (See product label or MSDS)

21. Is there an active oil-water separator in use at this facility?

Yes

What is the cleanout frequency?

As needed

22. Does the tenant have manifests available to correspond with OWS service dates?

No

23. The OWS flows to:

Unknown

24. Is there evidence of soil erosion or excessive "muddy" water runoff at your facility?

No

Runoff Note:

25. Are there any structural BMPs on site?

No

BMP List:

26. Is there overall evidence of an obvious, non-stormwater discharge to the stormwater drains at this facility?

No

Discharge Note:

Other comments or concerns:



CLT - Tenant Inspection

No.
00041

Inspection Details

Facility Name:
WAC - BOA Hangar
Inspector Name:
Chris Alexander

Inspection Date:
11/3/2023

Activities listed below are conducted at the airport and have potential to impact storm water.

Industrial Activities

Activity	Current:	Location:	Contracted:	Comments:
Aircraft Deicing	No			
Aircraft Fueling	No			
Aircraft Maintenance	No			
Aircraft Painting/ Stripping	No			
Aircraft Sanitary Service	No			
Aircraft Washing	No			
Cargo Handling	No			
Chemical Storage	No			
Equipment Degreasing/ Washing	No			
Equipment Maintenance	No			
Equipment Storage	Yes	Inside	No	
Fuel Storage	No			
Fire Equipment Testing/ Flushing	No			
Floor Washdown	No			
Manufacturing	No			
Outdoor Apron Washdown	No			
Pesticide/Herbicide Use	No			
Potable Water Flushing	No			
Runway Deicing	No			
Runway Rubber Removal	No			
Steam Cleaning	No			
Vehicle Fueling	No			
Vehicle Maintenance	No			
Vehicle Painting/ Stripping	No			
Vehicle Washing	No			
Water Tank Cleaning/ Washing	No			
Other	No			



CLT - Tenant Inspection

No.
00041

Activity	Current:	Location:	Contracted:	Comments:
				Fire fighting system with foam.

Any solid or liquid material used or stored at your facility could have the potential to impact storm water if handled, stored, or used improperly. An inventory of these types of materials is listed below.

Potential Pollutants

Pollutant	Present:	Management: (state storage or management practice)	Comments:
Antifreeze	No		
De-Icing Chemicals	No		
Fuel & Lubricants	Yes	Off-the-shelf products in flammable cabinet. Standby generator	
Herbicides/Pesticides	No		
Lavatory Waste	No		
Oil and Grease	Yes	SAA	
Paint	No		
Detergents or Washwater	No		
Firefighting Agents	Yes	Foam concentrate in totes	
Solvent	Yes	Off-the-shelf type products in flammable cabinet	
Used Batteries	No		
Laboratory Chemicals	No		
Perfumes/Dyes	No		
Liquid or Solid Corrosives	No		
Used Vehicle Parts	No		
Parts Cleaners	No		
Other Products	No		
Sediment	No		



Facility Details

Facility Name

Wilson Air Center - Belk

Address or Area

5111-C Morris Field Drive Bldg 312

Facility Representative

Todd Rivard

Date(s) of Inspection

11/3/23

Representative Participation?

Yes

Contact Information (phone and/or email)

Trivard@wilsonair.com

Questions

1. Locate the storm drain locations at this facility (quantity/location)

2. Drains are free of debris?

Yes

Debris Note:

3. Are there visible signs of oil sheens leading to storm drains?

No

4. Is there evidence of spills of any kind to storm drains?

No

5. Has the tenant had any spills not previously reported to CLT?

No

Describe Unreported Previous Spill(s):

6. Are there hard pipe connections leading to the storm drains?

No

7. Are floor drains present inside the building?

Yes



CLT - Semi-annual Stormwater

No.
00056

8. Are any of the below products within 10 feet of a floor drain inside the building or near a grate drain outside the building?

a. Antifreeze

No

b. Batteries or Battery Acid

No

c. Pesticides

No

d. Fertilizers

No

e. Salt or Coal

No

f. Firefighting Foam

No

Does the tenant actively train with AFFF?

No

g. Garbage/Landfills

No

h. Oil Cans or Oil

No

i. Cleaning Agents

No

j. Degreasers

No

k. Sewerage Waste

No

l. Lavatory Chemicals

No

m. Paint/Paint Waste

No

n. De-Icing Fluid

No

9. Listed products (in question 8) should be stored in covered containers in an enclosed area

Yes

Product Storage Note:

4 totes of deicing fluid stored inside

10. Are large containers of liquids (over 660 gallons) present at this facility?

No

11. Containers over 660 gallons must be either;

12. Is there a secondary AST containment dike (or similar) present outside at this facility?

No

13. Does the dike contain a locking mechanism?

NA

14. Is the mechanism locked?

NA

15. Is there a log (available for review) of water released through the dike containing the date, time and quantity of release?

NA

16. Is there a refuse, scrap, recyclable or other-purposed dumpster in use at this facility?

No

Describe:

17. Are vehicles washed outside at the facility?



CLT - Semi-annual Stormwater

No.
00056

No

18. Does the tenant have a wash plan available?

NA

19. Is the vehicle wash water/wastewater collected?

NA

20. Are detergents biodegradable?

NA

Product Name: (See product label or MSDS)

21. Is there an active oil-water separator in use at this facility?

Yes

What is the cleanout frequency?

Unknown

22. Does the tenant have manifests available to correspond with OWS service dates?

No

23. The OWS flows to:

Stormwater System

24. Is there evidence of soil erosion or excessive "muddy" water runoff at your facility?

No

Runoff Note:

25. Are there any structural BMPs on site?

No

BMP List:

26. Is there overall evidence of an obvious, non-stormwater discharge to the stormwater drains at this facility?

No

Discharge Note:

Other comments or concerns:



CLT - Tenant Inspection

No.
00032

Inspection Details

Facility Name:

WAC - Belk

Inspection Date:

11/3/2023

Inspector Name:

Chris Alexander

Activities listed below are conducted at the airport and have potential to impact storm water.

Industrial Activities

Activity	Current:	Location:	Contracted:	Comments:
Aircraft Deicing	No			
Aircraft Fueling	No			
Aircraft Maintenance	No			
Aircraft Painting/ Stripping	No			
Aircraft Sanitary Service	No			
Aircraft Washing	No			
Cargo Handling	No			
Chemical Storage	Yes	Inside	No	4 totes of deicing fluid
Equipment Degreasing/ Washing	No			
Equipment Maintenance	No			
Equipment Storage	No			
Fuel Storage	No			
Fire Equipment Testing/ Flushing	No			
Floor Washdown	No			
Manufacturing	No			
Outdoor Apron Washdown	No			
Pesticide/Herbicide Use	No			
Potable Water Flushing	No			
Runway Deicing	No			
Runway Rubber Removal	No			
Steam Cleaning	No			
Vehicle Fueling	No			
Vehicle Maintenance	No			
Vehicle Painting/ Stripping	No			
Vehicle Washing	No			
Water Tank Cleaning/ Washing	No			
Other	No			



CLT - Tenant Inspection

Any solid or liquid material used or stored at your facility could have the potential to impact storm water if handled, stored, or used improperly. An inventory of these types of materials is listed below.

Potential Pollutants

Pollutant	Present:	Management: (state storage or management practice)	Comments:
Antifreeze	No		
De-Icing Chemicals	Yes	4 totes of deicing fluid	
Fuel & Lubricants	No		
Herbicides/Pesticides	No		
Lavatory Waste	No		
Oil and Grease	No		
Paint	No		
Detergents or Washwater	No		
Firefighting Agents	No		
Solvent	No		
Used Batteries	No		
Laboratory Chemicals	No		
Perfumes/Dyes	No		
Liquid or Solid Corrosives	No		
Used Vehicle Parts	No		
Parts Cleaners	No		
Other Products	No		
Sediment	No		



CLT - Semi-annual Stormwater

No.
00075

Facility Details

Facility Name

Wilson Air Center - GSE

Address or Area

5400 Airport Drive Bldg 318-A

Facility Representative

Todd Rivard

Date(s) of Inspection

11/3/23

Representative Participation?

Yes

Contact Information (phone and/or email)

Trivard@wilsonair.com

Questions

1. Locate the storm drain locations at this facility (quantity/location)

2. Drains are free of debris?

Yes

Debris Note:

3. Are there visible signs of oil sheens leading to storm drains?

No

4. Is there evidence of spills of any kind to storm drains?

No

5. Has the tenant had any spills not previously reported to CLT?

No

Describe Unreported Previous Spill(s):

6. Are there hard pipe connections leading to the storm drains?

No

7. Are floor drains present inside the building?

No



CLT - Semi-annual Stormwater

No.
00075

8. Are any of the below products within 10 feet of a floor drain inside the building or near a grate drain outside the building?

a. Antifreeze

No

b. Batteries or Battery Acid

No

c. Pesticides

No

d. Fertilizers

No

e. Salt or Coal

No

f. Firefighting Foam

No

Does the tenant actively train with AFFF?

No

g. Garbage/Landfills

No

h. Oil Cans or Oil

No

i. Cleaning Agents

No

j. Degreasers

No

k. Sewerage Waste

No

l. Lavatory Chemicals

No

m. Paint/Paint Waste

No

n. De-Icing Fluid

No

9. Listed products (in question 8) should be stored in covered containers in an enclosed area

Yes

Product Storage Note:

10. Are large containers of liquids (over 660 gallons) present at this facility?

No

11. Containers over 660 gallons must be either;

12. Is there a secondary AST containment dike (or similar) present outside at this facility?

No

13. Does the dike contain a locking mechanism?

NA

14. Is the mechanism locked?

NA

15. Is there a log (available for review) of water released through the dike containing the date, time and quantity of release?

NA

16. Is there a refuse, scrap, recyclable or other-purposed dumpster in use at this facility?

Yes

Describe:

Lidded refuse

17. Are vehicles washed outside at the facility?



CLT - Semi-annual Stormwater

No.
00075

No

18. Does the tenant have a wash plan available?

NA

19. Is the vehicle wash water/wastewater collected?

NA

20. Are detergents biodegradable?

NA

Product Name: (See product label or MSDS)

21. Is there an active oil-water separator in use at this facility?

Yes

What is the cleanout frequency?

As needed

22. Does the tenant have manifests available to correspond with OWS service dates?

No

23. The OWS flows to:

Unknown

24. Is there evidence of soil erosion or excessive "muddy" water runoff at your facility?

No

Runoff Note:

25. Are there any structural BMPs on site?

No

BMP List:

26. Is there overall evidence of an obvious, non-stormwater discharge to the stormwater drains at this facility?

No

Discharge Note:

Other comments or concerns:



CLT - Tenant Inspection

No.
00038

Inspection Details

Facility Name:
WAC - CBRE

Inspection Date:
11/3/2023

Inspector Name:
Chris Alexander

Activities listed below are conducted at the airport and have potential to impact storm water.

Industrial Activities

Activity	Current:	Location:	Contracted:	Comments:
Aircraft Deicing	No			
Aircraft Fueling	No			
Aircraft Maintenance	Yes	Inside	No	
Aircraft Painting/ Stripping	No			
Aircraft Sanitary Service	No			
Aircraft Washing	No			
Cargo Handling	No			
Chemical Storage	No			
Equipment Degreasing/ Washing	No			
Equipment Maintenance	Yes	Inside	No	
Equipment Storage	Yes	Inside	No	Tool chests, battery charger, etc
Fuel Storage	Yes	Outside	No	
Fire Equipment Testing/ Flushing	No			
Floor Washdown	No			
Manufacturing	No			
Outdoor Apron Washdown	No			
Pesticide/Herbicide Use	No			
Potable Water Flushing	No			
Runway Deicing	No			
Runway Rubber Removal	No			
Steam Cleaning	No			
Vehicle Fueling	No			
Vehicle Maintenance	No			
Vehicle Painting/ Stripping	No			
Vehicle Washing	No			
Water Tank Cleaning/ Washing	No			



CLT - Tenant Inspection

No.
00038

Activity	Current:	Location:	Contracted:	Comments:
Other	No			

Any solid or liquid material used or stored at your facility could have the potential to impact storm water if handled, stored, or used improperly. An inventory of these types of materials is listed below.

Potential Pollutants

Pollutant	Present:	Management: (state storage or management practice)	Comments:
Antifreeze	No		
De-Icing Chemicals	No		
Fuel & Lubricants	Yes	Off-the-shelf type products stored in flammable cabinet	
Herbicides/Pesticides	No		
Lavatory Waste	No		
Oil and Grease	Yes	SAA	
Paint	Yes	Spray cans	
Detergents or Washwater	No		
Firefighting Agents	No		
Solvent	Yes	Off-the-shelf type products stored in flammable cabinet	
Used Batteries	No		
Laboratory Chemicals	No		
Perfumes/Dyes	No		
Liquid or Solid Corrosives	No		
Used Vehicle Parts	Yes	Only kept on-site until they can be turned in	
Parts Cleaners	Yes	Small bench-top type	
Other Products	No		
Sediment	No		



Facility Details

Facility Name

Wilson Air Center - Charlotte Pipe

Address or Area

5305 Morris Field Dr Bldg 307

Facility Representative

Todd Rivard

Date(s) of Inspection

11/3/23

Representative Participation?

Yes

Contact Information (phone and/or email)

Trivard@wilsonair.com

Questions

1. Locate the storm drain locations at this facility (quantity/location)

2. Drains are free of debris?

Yes

Debris Note:

3. Are there visible signs of oil sheens leading to storm drains?

No

4. Is there evidence of spills of any kind to storm drains?

No

5. Has the tenant had any spills not previously reported to CLT?

No

Describe Unreported Previous Spill(s):

6. Are there hard pipe connections leading to the storm drains?

No

7. Are floor drains present inside the building?

No



CLT - Semi-annual Stormwater

No.
00067

8. Are any of the below products within 10 feet of a floor drain inside the building or near a grate drain outside the building?

a. Antifreeze

No

b. Batteries or Battery Acid

No

c. Pesticides

No

d. Fertilizers

No

e. Salt or Coal

No

f. Firefighting Foam

No

Does the tenant actively train with AFFF?

No

g. Garbage/Landfills

No

h. Oil Cans or Oil

No

i. Cleaning Agents

j. Degreasers

No

k. Sewerage Waste

No

l. Lavatory Chemicals

No

m. Paint/Paint Waste

No

n. De-Icing Fluid

No

9. Listed products (in question 8) should be stored in covered containers in an enclosed area

Yes

Product Storage Note:

5 deicing totes store inside

10. Are large containers of liquids (over 660 gallons) present at this facility?

No

11. Containers over 660 gallons must be either;

12. Is there a secondary AST containment dike (or similar) present outside at this facility?

No

13. Does the dike contain a locking mechanism?

NA

14. Is the mechanism locked?

NA

15. Is there a log (available for review) of water released through the dike containing the date, time and quantity of release?

NA

16. Is there a refuse, scrap, recyclable or other-purposed dumpster in use at this facility?

Yes

Describe:

Lidded refuse

17. Are vehicles washed outside at the facility?



CLT - Semi-annual Stormwater

No.
00067

No

18. Does the tenant have a wash plan available?

NA

19. Is the vehicle wash water/wastewater collected?

NA

20. Are detergents biodegradable?

NA

Product Name: (See product label or MSDS)

21. Is there an active oil-water separator in use at this facility?

Yes

What is the cleanout frequency?

Unknown

22. Does the tenant have manifests available to correspond with OWS service dates?

No

23. The OWS flows to:

Unknown

24. Is there evidence of soil erosion or excessive "muddy" water runoff at your facility?

No

Runoff Note:

25. Are there any structural BMPs on site?

No

BMP List:

26. Is there overall evidence of an obvious, non-stormwater discharge to the stormwater drains at this facility?

No

Discharge Note:

Other comments or concerns:



CLT - Tenant Inspection

No.
00026

Inspection Details

Facility Name:
WAC - CLT Pipe
Inspector Name:
Chris Alexander

Inspection Date:
11/3/2023

Activities listed below are conducted at the airport and have potential to impact storm water.

Industrial Activities

Activity	Current:	Location:	Contracted:	Comments:
Aircraft Deicing	No			
Aircraft Fueling	No			
Aircraft Maintenance	No			
Aircraft Painting/ Stripping	No			
Aircraft Sanitary Service	No			
Aircraft Washing	No			
Cargo Handling	No			
Chemical Storage	Yes	Inside	No	5 totes of deicing fluid
Equipment Degreasing/ Washing	No			
Equipment Maintenance	No			
Equipment Storage	No			
Fuel Storage	No			
Fire Equipment Testing/ Flushing	No			
Floor Washdown	No			
Manufacturing	No			
Outdoor Apron Washdown	No			
Pesticide/Herbicide Use	No			
Potable Water Flushing	No			
Runway Deicing	No			
Runway Rubber Removal	No			
Steam Cleaning	No			
Vehicle Fueling	No			
Vehicle Maintenance	No			
Vehicle Painting/ Stripping	No			
Vehicle Washing	No			
Water Tank Cleaning/ Washing	No			
Other	No			



CLT - Tenant Inspection

No.
00026

Any solid or liquid material used or stored at your facility could have the potential to impact storm water if handled, stored, or used improperly. An inventory of these types of materials is listed below.

Potential Pollutants

Pollutant	Present:	Management: (state storage or management practice)	Comments:
Antifreeze	No		
De-Icing Chemicals	Yes	5 Totes	
Fuel & Lubricants	No		
Herbicides/Pesticides	Yes		
Lavatory Waste	No		
Oil and Grease	No		
Paint	Yes		
Detergents or Washwater	No		
Firefighting Agents	No		
Solvent	No		
Used Batteries	No		
Laboratory Chemicals	No		
Perfumes/Dyes	No		
Liquid or Solid Corrosives	No		
Used Vehicle Parts	No		
Parts Cleaners	No		
Other Products	No		
Sediment	No		



Facility Details

Facility Name

Wilson Air Center - CMC Atrium

Address or Area

5309 Morris Field Drive

Facility Representative

Todd Rivard

Date(s) of Inspection

11/3/23

Representative Participation?

Yes

Contact Information (phone and/or email)

Trivard@wilsonair.com

Questions

1. Locate the storm drain locations at this facility (quantity/location)

2. Drains are free of debris?

Yes

Debris Note:

3. Are there visible signs of oil sheens leading to storm drains?

No

4. Is there evidence of spills of any kind to storm drains?

No

5. Has the tenant had any spills not previously reported to CLT?

No

Describe Unreported Previous Spill(s):

6. Are there hard pipe connections leading to the storm drains?

No

7. Are floor drains present inside the building?

Yes



CLT - Semi-annual Stormwater

No.
00060

8. Are any of the below products within 10 feet of a floor drain inside the building or near a grate drain outside the building?

a. Antifreeze

No

b. Batteries or Battery Acid

No

c. Pesticides

No

d. Fertilizers

No

e. Salt or Coal

No

f. Firefighting Foam

No

Does the tenant actively train with AFFF?

No

g. Garbage/Landfills

No

h. Oil Cans or Oil

No

i. Cleaning Agents

No

j. Degreasers

No

k. Sewerage Waste

No

l. Lavatory Chemicals

No

m. Paint/Paint Waste

No

n. De-Icing Fluid

No

9. Listed products (in question 8) should be stored in covered containers in an enclosed area

Product Storage Note:

10. Are large containers of liquids (over 660 gallons) present at this facility?

No

11. Containers over 660 gallons must be either;

12. Is there a secondary AST containment dike (or similar) present outside at this facility?

No

13. Does the dike contain a locking mechanism?

NA

14. Is the mechanism locked?

NA

15. Is there a log (available for review) of water released through the dike containing the date, time and quantity of release?

NA

16. Is there a refuse, scrap, recyclable or other-purposed dumpster in use at this facility?

Yes

Describe:

Lidded Refuse

17. Are vehicles washed outside at the facility?



CLT - Semi-annual Stormwater

No.
00060

No

18. Does the tenant have a wash plan available?

NA

19. Is the vehicle wash water/wastewater collected?

NA

20. Are detergents biodegradable?

NA

Product Name: (See product label or MSDS)

21. Is there an active oil-water separator in use at this facility?

Yes

What is the cleanout frequency?

Unknown

22. Does the tenant have manifests available to correspond with OWS service dates?

No

23. The OWS flows to:

Unknown

24. Is there evidence of soil erosion or excessive "muddy" water runoff at your facility?

No

Runoff Note:

25. Are there any structural BMPs on site?

No

BMP List:

26. Is there overall evidence of an obvious, non-stormwater discharge to the stormwater drains at this facility?

No

Discharge Note:

Other comments or concerns:



CLT - Tenant Inspection

No.
00028

Inspection Details

Facility Name:
WAC - CMC Atrium
Inspector Name:
Chris Alexander

Inspection Date:
11/3/2023

Activities listed below are conducted at the airport and have potential to impact storm water.

Industrial Activities

Activity	Current:	Location:	Contracted:	Comments:
Aircraft Deicing	No			
Aircraft Fueling	No			
Aircraft Maintenance	Yes	Inside		Helicopter maintenance
Aircraft Painting/ Stripping	No			
Aircraft Sanitary Service	No			
Aircraft Washing	No			
Cargo Handling	No			
Chemical Storage	No			
Equipment Degreasing/ Washing	No			
Equipment Maintenance	No			
Equipment Storage	No			
Fuel Storage	No			
Fire Equipment Testing/ Flushing	No			
Floor Washdown	No			
Manufacturing	No			
Outdoor Apron Washdown	No			
Pesticide/Herbicide Use	No			
Potable Water Flushing	No			
Runway Deicing	No			
Runway Rubber Removal	No			
Steam Cleaning	No			
Vehicle Fueling	No			
Vehicle Maintenance	No			
Vehicle Painting/ Stripping	No			
Vehicle Washing	No			
Water Tank Cleaning/ Washing	No			
Other	No			



CLT - Tenant Inspection

Any solid or liquid material used or stored at your facility could have the potential to impact storm water if handled, stored, or used improperly. An inventory of these types of materials is listed below.

Potential Pollutants

Pollutant	Present:	Management: (state storage or management practice)	Comments:
Antifreeze	No		
De-Icing Chemicals	No		
Fuel & Lubricants	No		
Herbicides/Pesticides	No		
Lavatory Waste	No		
Oil and Grease	No		
Paint	No		
Detergents or Washwater	No		
Firefighting Agents	No		
Solvent	No		
Used Batteries	No		
Laboratory Chemicals	No		
Perfumes/Dyes	No		
Liquid or Solid Corrosives	No		
Used Vehicle Parts	No		
Parts Cleaners	No		
Other Products	No		
Sediment	No		



Facility Details

Facility Name

Wilson Air Center - Coca Cola

Address or Area

4690 First Flight Drive, Bldg 324

Facility Representative

Todd Rivard

Date(s) of Inspection

11/3/23

Representative Participation?

Yes

Contact Information (phone and/or email)

Trivard@wilsonair.com

Questions

1. Locate the storm drain locations at this facility (quantity/location)

2. Drains are free of debris?

Yes

Debris Note:

3. Are there visible signs of oil sheens leading to storm drains?

No

4. Is there evidence of spills of any kind to storm drains?

No

5. Has the tenant had any spills not previously reported to CLT?

No

Describe Unreported Previous Spill(s):

6. Are there hard pipe connections leading to the storm drains?

No

7. Are floor drains present inside the building?

Yes



CLT - Semi-annual Stormwater

No.
00070

8. Are any of the below products within 10 feet of a floor drain inside the building or near a grate drain outside the building?

a. Antifreeze

No

b. Batteries or Battery Acid

No

c. Pesticides

No

d. Fertilizers

No

e. Salt or Coal

No

f. Firefighting Foam

No

Does the tenant actively train with AFFF?

No

g. Garbage/Landfills

No

h. Oil Cans or Oil

No

i. Cleaning Agents

No

j. Degreasers

No

k. Sewerage Waste

No

l. Lavatory Chemicals

No

m. Paint/Paint Waste

No

n. De-Icing Fluid

No

9. Listed products (in question 8) should be stored in covered containers in an enclosed area

Yes

Product Storage Note:

Standby Generator

10. Are large containers of liquids (over 660 gallons) present at this facility?

No

11. Containers over 660 gallons must be either;

12. Is there a secondary AST containment dike (or similar) present outside at this facility?

No

13. Does the dike contain a locking mechanism?

NA

14. Is the mechanism locked?

NA

15. Is there a log (available for review) of water released through the dike containing the date, time and quantity of release?

NA

16. Is there a refuse, scrap, recyclable or other-purposed dumpster in use at this facility?

No

Describe:

17. Are vehicles washed outside at the facility?



CLT - Semi-annual Stormwater

No.
00070

No

18. Does the tenant have a wash plan available?

NA

19. Is the vehicle wash water/wastewater collected?

NA

20. Are detergents biodegradable?

NA

Product Name: (See product label or MSDS)

21. Is there an active oil-water separator in use at this facility?

No

22. Does the tenant have manifests available to correspond with OWS service dates?

23. The OWS flows to:

Unknown

24. Is there evidence of soil erosion or excessive "muddy" water runoff at your facility?

No

Runoff Note:

25. Are there any structural BMPs on site?

No

BMP List:

26. Is there overall evidence of an obvious, non-stormwater discharge to the stormwater drains at this facility?

No

Discharge Note:

Other comments or concerns:

Tenant unaware of OWS info



CLT - Tenant Inspection

No.
00043

Inspection Details

Facility Name:
WAC - Coca-Cola
Inspector Name:
Chris Alexander

Inspection Date:
11/3/2023

Activities listed below are conducted at the airport and have potential to impact storm water.

Industrial Activities

Activity	Current:	Location:	Contracted:	Comments:
Aircraft Deicing	No			
Aircraft Fueling	No			
Aircraft Maintenance	No			
Aircraft Painting/ Stripping	No			
Aircraft Sanitary Service	No			
Aircraft Washing	No			
Cargo Handling	No			
Chemical Storage	No			
Equipment Degreasing/ Washing	No			
Equipment Maintenance	No			
Equipment Storage	No			
Fuel Storage	No			
Fire Equipment Testing/ Flushing	No			
Floor Washdown	No			
Manufacturing	No			
Outdoor Apron Washdown	No			
Pesticide/Herbicide Use	No			
Potable Water Flushing	No			
Runway Deicing	No			
Runway Rubber Removal	No			
Steam Cleaning	No			
Vehicle Fueling	No			
Vehicle Maintenance	No			
Vehicle Painting/ Stripping	No			
Vehicle Washing	No			
Water Tank Cleaning/ Washing	No			
Other	No			Old fueling pit



CLT - Tenant Inspection

No.
00043

Activity	Current:	Location:	Contracted:	Comments:
				abandoned

Any solid or liquid material used or stored at your facility could have the potential to impact storm water if handled, stored, or used improperly. An inventory of these types of materials is listed below.

Potential Pollutants

Pollutant	Present:	Management: (state storage or management practice)	Comments:
Antifreeze	No		
De-Icing Chemicals	No		
Fuel & Lubricants	Yes	Standby Generator	
Herbicides/Pesticides	No		
Lavatory Waste	No		
Oil and Grease	No		
Paint	No		
Detergents or Washwater	No		
Firefighting Agents	No		
Solvent	No		
Used Batteries	No		
Laboratory Chemicals	No		
Perfumes/Dyes	No		
Liquid or Solid Corrosives	No		
Used Vehicle Parts	No		
Parts Cleaners	No		
Other Products	No		
Sediment	No		



Facility Details

Facility Name

Wilson Air Center - Davinci

Address or Area

5207 Morris Field Drive Bldg 327

Facility Representative

Todd Rivard

Date(s) of Inspection

11/3/23

Representative Participation?

Yes

Contact Information (phone and/or email)

Trivard@wilsonair.com

Questions

1. Locate the storm drain locations at this facility (quantity/location)

2. Drains are free of debris?

Yes

Debris Note:

3. Are there visible signs of oil sheens leading to storm drains?

No

4. Is there evidence of spills of any kind to storm drains?

No

5. Has the tenant had any spills not previously reported to CLT?

No

Describe Unreported Previous Spill(s):

6. Are there hard pipe connections leading to the storm drains?

No

7. Are floor drains present inside the building?

Yes



CLT - Semi-annual Stormwater

No.
00066

8. Are any of the below products within 10 feet of a floor drain inside the building or near a grate drain outside the building?

a. Antifreeze

No

b. Batteries or Battery Acid

No

c. Pesticides

No

d. Fertilizers

No

e. Salt or Coal

No

f. Firefighting Foam

No

Does the tenant actively train with AFFF?

No

g. Garbage/Landfills

No

h. Oil Cans or Oil

No

i. Cleaning Agents

No

j. Degreasers

No

k. Sewerage Waste

No

l. Lavatory Chemicals

No

m. Paint/Paint Waste

No

n. De-Icing Fluid

No

9. Listed products (in question 8) should be stored in covered containers in an enclosed area

Yes

Product Storage Note:

10. Are large containers of liquids (over 660 gallons) present at this facility?

No

11. Containers over 660 gallons must be either;

12. Is there a secondary AST containment dike (or similar) present outside at this facility?

No

13. Does the dike contain a locking mechanism?

NA

14. Is the mechanism locked?

NA

15. Is there a log (available for review) of water released through the dike containing the date, time and quantity of release?

NA

16. Is there a refuse, scrap, recyclable or other-purposed dumpster in use at this facility?

No

Describe:

Lidded refuse

17. Are vehicles washed outside at the facility?



CLT - Semi-annual Stormwater

No.
00066

No

18. Does the tenant have a wash plan available?

NA

19. Is the vehicle wash water/wastewater collected?

NA

20. Are detergents biodegradable?

NA

Product Name: (See product label or MSDS)

21. Is there an active oil-water separator in use at this facility?

Yes

What is the cleanout frequency?

Unknown

22. Does the tenant have manifests available to correspond with OWS service dates?

No

23. The OWS flows to:

Unknown

24. Is there evidence of soil erosion or excessive "muddy" water runoff at your facility?

No

Runoff Note:

25. Are there any structural BMPs on site?

No

BMP List:

26. Is there overall evidence of an obvious, non-stormwater discharge to the stormwater drains at this facility?

No

Discharge Note:

Other comments or concerns:



CLT - Tenant Inspection

No.
00027

Inspection Details

Facility Name:

WAC - Davinci

Inspection Date:

11/3/2023

Inspector Name:

Chris Alexander

Activities listed below are conducted at the airport and have potential to impact storm water.

Industrial Activities

Activity	Current:	Location:	Contracted:	Comments:
Aircraft Deicing	No			
Aircraft Fueling	No			
Aircraft Maintenance	No			
Aircraft Painting/ Stripping	No			
Aircraft Sanitary Service	No			
Aircraft Washing	No			
Cargo Handling	No			
Chemical Storage	No			
Equipment Degreasing/ Washing	No			
Equipment Maintenance	No			
Equipment Storage	No			
Fuel Storage	No			
Fire Equipment Testing/ Flushing	No			
Floor Washdown	No			
Manufacturing	No			
Outdoor Apron Washdown	No			
Pesticide/Herbicide Use	No			
Potable Water Flushing	No			
Runway Deicing	No			
Runway Rubber Removal	No			
Steam Cleaning	No			
Vehicle Fueling	No			
Vehicle Maintenance	No			
Vehicle Painting/ Stripping	No			
Vehicle Washing	No			
Water Tank Cleaning/ Washing	No			
Other	No			



CLT - Tenant Inspection

Any solid or liquid material used or stored at your facility could have the potential to impact storm water if handled, stored, or used improperly. An inventory of these types of materials is listed below.

Potential Pollutants

Pollutant	Present:	Management: (state storage or management practice)	Comments:
Antifreeze	No		
De-Icing Chemicals	No		
Fuel & Lubricants	No		
Herbicides/Pesticides	No		
Lavatory Waste	No		
Oil and Grease	No		
Paint	No		
Detergents or Washwater	No		
Firefighting Agents	No		
Solvent	No		
Used Batteries	No		
Laboratory Chemicals	No		
Perfumes/Dyes	No		
Liquid or Solid Corrosives	No		
Used Vehicle Parts	No		
Parts Cleaners	No		
Other Products	No		
Sediment	No		



Facility Details

Facility Name

Wilson Air Center - Group 1

Address or Area

5410-A Airport Dr, Bldg 323

Facility Representative

Todd Rivard

Date(s) of Inspection

11/3/23

Representative Participation?

Yes

Contact Information (phone and/or email)

Trivard@wilsonair.com

Questions

1. Locate the storm drain locations at this facility (quantity/location)

2. Drains are free of debris?

Yes

Debris Note:

3. Are there visible signs of oil sheens leading to storm drains?

No

4. Is there evidence of spills of any kind to storm drains?

No

5. Has the tenant had any spills not previously reported to CLT?

No

Describe Unreported Previous Spill(s):

6. Are there hard pipe connections leading to the storm drains?

No

7. Are floor drains present inside the building?

No



CLT - Semi-annual Stormwater

No.
00073

8. Are any of the below products within 10 feet of a floor drain inside the building or near a grate drain outside the building?

a. Antifreeze

No

b. Batteries or Battery Acid

No

c. Pesticides

No

d. Fertilizers

No

e. Salt or Coal

No

f. Firefighting Foam

No

Does the tenant actively train with AFFF?

No

g. Garbage/Landfills

No

h. Oil Cans or Oil

No

i. Cleaning Agents

No

j. Degreasers

No

k. Sewerage Waste

No

l. Lavatory Chemicals

No

m. Paint/Paint Waste

No

n. De-Icing Fluid

No

9. Listed products (in question 8) should be stored in covered containers in an enclosed area

No

Product Storage Note:

10. Are large containers of liquids (over 660 gallons) present at this facility?

No

11. Containers over 660 gallons must be either;

12. Is there a secondary AST containment dike (or similar) present outside at this facility?

No

13. Does the dike contain a locking mechanism?

NA

14. Is the mechanism locked?

NA

15. Is there a log (available for review) of water released through the dike containing the date, time and quantity of release?

NA

16. Is there a refuse, scrap, recyclable or other-purposed dumpster in use at this facility?

Describe:

17. Are vehicles washed outside at the facility?



CLT - Semi-annual Stormwater

No.
00073

No

18. Does the tenant have a wash plan available?

NA

19. Is the vehicle wash water/wastewater collected?

NA

20. Are detergents biodegradable?

NA

Product Name: (See product label or MSDS)

21. Is there an active oil-water separator in use at this facility?

No

22. Does the tenant have manifests available to correspond with OWS service dates?

No

23. The OWS flows to:

24. Is there evidence of soil erosion or excessive "muddy" water runoff at your facility?

No

Runoff Note:

25. Are there any structural BMPs on site?

No

BMP List:

26. Is there overall evidence of an obvious, non-stormwater discharge to the stormwater drains at this facility?

No

Discharge Note:

Other comments or concerns:

Overflow storage for Davinci



CLT - Tenant Inspection

No.
00040

Inspection Details

Facility Name:
WAC - Group 1
Inspector Name:
Chris Alexander

Inspection Date:
11/3/2023

Activities listed below are conducted at the airport and have potential to impact storm water.

Industrial Activities

Activity	Current:	Location:	Contracted:	Comments:
Aircraft Deicing	No			
Aircraft Fueling	No			
Aircraft Maintenance	No			
Aircraft Painting/ Stripping	No			
Aircraft Sanitary Service	No			
Aircraft Washing	No			
Cargo Handling	No			
Chemical Storage	No			
Equipment Degreasing/ Washing	No			
Equipment Maintenance	No			
Equipment Storage	No			
Fuel Storage	No			
Fire Equipment Testing/ Flushing	No			
Floor Washdown	No			
Manufacturing	No			
Outdoor Apron Washdown	No			
Pesticide/Herbicide Use	No			
Potable Water Flushing	No			
Runway Deicing	No			
Runway Rubber Removal	No			
Steam Cleaning	No			
Vehicle Fueling	No			
Vehicle Maintenance	No			
Vehicle Painting/ Stripping	No			
Vehicle Washing	No			
Water Tank Cleaning/ Washing	No			
Other	No			



CLT - Tenant Inspection

Activity	Current:	Location:	Contracted:	Comments:

Any solid or liquid material used or stored at your facility could have the potential to impact storm water if handled, stored, or used improperly. An inventory of these types of materials is listed below.

Potential Pollutants

Pollutant	Present:	Management: (state storage or management practice)	Comments:
Antifreeze	No		
De-Icing Chemicals	No		
Fuel & Lubricants	No		
Herbicides/Pesticides	No		
Lavatory Waste	No		
Oil and Grease	No		
Paint	No		
Detergents or Washwater	No		
Firefighting Agents	No		
Solvent	No		
Used Batteries	No		
Laboratory Chemicals	No		
Perfumes/Dyes	No		
Liquid or Solid Corrosives	No		
Used Vehicle Parts	No		
Parts Cleaners	No		
Other Products	No		
Sediment	No		



CLT - Semi-annual Stormwater

No.
00071

Facility Details

Facility Name

Wilson Air Center - Group 2

Address or Area

5412 Airport Dr, Bldg 325

Facility Representative

Todd Rivard

Date(s) of Inspection

11/3/23

Representative Participation?

Yes

Contact Information (phone and/or email)

Trivard@wilsonair.com

Questions

1. Locate the storm drain locations at this facility (quantity/location)

2. Drains are free of debris?

Yes

Debris Note:

3. Are there visible signs of oil sheens leading to storm drains?

No

4. Is there evidence of spills of any kind to storm drains?

No

5. Has the tenant had any spills not previously reported to CLT?

No

Describe Unreported Previous Spill(s):

6. Are there hard pipe connections leading to the storm drains?

No

7. Are floor drains present inside the building?

No



CLT - Semi-annual Stormwater

No.
00071

8. Are any of the below products within 10 feet of a floor drain inside the building or near a grate drain outside the building?

a. Antifreeze

No

b. Batteries or Battery Acid

No

c. Pesticides

No

d. Fertilizers

No

e. Salt or Coal

No

f. Firefighting Foam

No

Does the tenant actively train with AFFF?

No

g. Garbage/Landfills

No

h. Oil Cans or Oil

No

i. Cleaning Agents

No

j. Degreasers

No

k. Sewerage Waste

No

l. Lavatory Chemicals

No

m. Paint/Paint Waste

No

n. De-Icing Fluid

No

9. Listed products (in question 8) should be stored in covered containers in an enclosed area

Product Storage Note:

10. Are large containers of liquids (over 660 gallons) present at this facility?

No

11. Containers over 660 gallons must be either;

12. Is there a secondary AST containment dike (or similar) present outside at this facility?

No

13. Does the dike contain a locking mechanism?

NA

14. Is the mechanism locked?

NA

15. Is there a log (available for review) of water released through the dike containing the date, time and quantity of release?

NA

16. Is there a refuse, scrap, recyclable or other-purposed dumpster in use at this facility?

No

Describe:

17. Are vehicles washed outside at the facility?



CLT - Semi-annual Stormwater

No.
00071

No

18. Does the tenant have a wash plan available?

NA

19. Is the vehicle wash water/wastewater collected?

NA

20. Are detergents biodegradable?

NA

Product Name: (See product label or MSDS)

21. Is there an active oil-water separator in use at this facility?

No

22. Does the tenant have manifests available to correspond with OWS service dates?

No

23. The OWS flows to:

24. Is there evidence of soil erosion or excessive "muddy" water runoff at your facility?

No

Runoff Note:

25. Are there any structural BMPs on site?

No

BMP List:

26. Is there overall evidence of an obvious, non-stormwater discharge to the stormwater drains at this facility?

No

Discharge Note:

Other comments or concerns:



CLT - Tenant Inspection

No.
00042

Inspection Details

Facility Name:
WAC - Group 2
Inspector Name:
Chris Alexander

Inspection Date:
11/3/2023

Activities listed below are conducted at the airport and have potential to impact storm water.

Industrial Activities

Activity	Current:	Location:	Contracted:	Comments:
Aircraft Deicing	No			
Aircraft Fueling	No			
Aircraft Maintenance	No			
Aircraft Painting/ Stripping	No			
Aircraft Sanitary Service	No			
Aircraft Washing	No			
Cargo Handling	No			
Chemical Storage	No			
Equipment Degreasing/ Washing	No			
Equipment Maintenance	No			
Equipment Storage	No			
Fuel Storage	No			
Fire Equipment Testing/ Flushing	No			
Floor Washdown	No			
Manufacturing	No			
Outdoor Apron Washdown	No			
Pesticide/Herbicide Use	No			
Potable Water Flushing	No			
Runway Deicing	No			
Runway Rubber Removal	No			
Steam Cleaning	No			
Vehicle Fueling	No			
Vehicle Maintenance	No			
Vehicle Painting/ Stripping	No			
Vehicle Washing	No			
Water Tank Cleaning/ Washing	No			
Other	No			



CLT - Tenant Inspection

Any solid or liquid material used or stored at your facility could have the potential to impact storm water if handled, stored, or used improperly. An inventory of these types of materials is listed below.

Potential Pollutants

Pollutant	Present:	Management: (state storage or management practice)	Comments:
Antifreeze	No		
De-Icing Chemicals	No		
Fuel & Lubricants	No		
Herbicides/Pesticides	No		
Lavatory Waste	No		
Oil and Grease	No		
Paint	No		
Detergents or Washwater	No		
Firefighting Agents	No		
Solvent	No		
Used Batteries	No		
Laboratory Chemicals	No		
Perfumes/Dyes	No		
Liquid or Solid Corrosives	No		
Used Vehicle Parts	No		
Parts Cleaners	No		
Other Products	No		
Sediment	No		



Facility Details

Facility Name

Wilson Air Center - Hangar 11

Address or Area

5330 Airport Drive Bldg 315

Facility Representative

Todd Rivard

Date(s) of Inspection

11/3/23

Representative Participation?

Yes

Contact Information (phone and/or email)

Trivard@wilsonair.com

Questions

1. Locate the storm drain locations at this facility (quantity/location)

2. Drains are free of debris?

Yes

Debris Note:

3. Are there visible signs of oil sheens leading to storm drains?

No

4. Is there evidence of spills of any kind to storm drains?

No

5. Has the tenant had any spills not previously reported to CLT?

No

Describe Unreported Previous Spill(s):

6. Are there hard pipe connections leading to the storm drains?

No

7. Are floor drains present inside the building?

Yes



CLT - Semi-annual Stormwater

No.
00054

8. Are any of the below products within 10 feet of a floor drain inside the building or near a grate drain outside the building?

a. Antifreeze

No

b. Batteries or Battery Acid

No

c. Pesticides

No

d. Fertilizers

No

e. Salt or Coal

No

f. Firefighting Foam

No

Does the tenant actively train with AFFF?

No

g. Garbage/Landfills

No

h. Oil Cans or Oil

No

i. Cleaning Agents

No

j. Degreasers

No

k. Sewerage Waste

No

l. Lavatory Chemicals

No

m. Paint/Paint Waste

No

n. De-Icing Fluid

No

9. Listed products (in question 8) should be stored in covered containers in an enclosed area

Yes

Product Storage Note:

No product storage noted at facility

10. Are large containers of liquids (over 660 gallons) present at this facility?

No

11. Containers over 660 gallons must be either;

12. Is there a secondary AST containment dike (or similar) present outside at this facility?

No

13. Does the dike contain a locking mechanism?

NA

14. Is the mechanism locked?

NA

15. Is there a log (available for review) of water released through the dike containing the date, time and quantity of release?

NA

16. Is there a refuse, scrap, recyclable or other-purposed dumpster in use at this facility?

No

Describe:

17. Are vehicles washed outside at the facility?



CLT - Semi-annual Stormwater

No.
00054

No

18. Does the tenant have a wash plan available?

NA

19. Is the vehicle wash water/wastewater collected?

NA

20. Are detergents biodegradable?

NA

Product Name: (See product label or MSDS)

21. Is there an active oil-water separator in use at this facility?

Yes

What is the cleanout frequency?

Unknown

22. Does the tenant have manifests available to correspond with OWS service dates?

No

23. The OWS flows to:

Unknown

24. Is there evidence of soil erosion or excessive "muddy" water runoff at your facility?

No

Runoff Note:

25. Are there any structural BMPs on site?

No

BMP List:

26. Is there overall evidence of an obvious, non-stormwater discharge to the stormwater drains at this facility?

No

Discharge Note:

Other comments or concerns:



CLT - Tenant Inspection

No.
00035

Inspection Details

Facility Name:
WAC - Hangar 11
Inspector Name:
Chris Alexander

Inspection Date:
11/3/2023

Activities listed below are conducted at the airport and have potential to impact storm water.

Industrial Activities

Activity	Current:	Location:	Contracted:	Comments:
Aircraft Deicing	No			
Aircraft Fueling	No			
Aircraft Maintenance	No			
Aircraft Painting/ Stripping	No			
Aircraft Sanitary Service	No			
Aircraft Washing	No			
Cargo Handling	No			
Chemical Storage	No			
Equipment Degreasing/ Washing	No			
Equipment Maintenance	No			
Equipment Storage	No			
Fuel Storage	No			
Fire Equipment Testing/ Flushing	No			
Floor Washdown	No			
Manufacturing	No			
Outdoor Apron Washdown	No			
Pesticide/Herbicide Use	No			
Potable Water Flushing	No			
Runway Deicing	No			
Runway Rubber Removal	No			
Steam Cleaning	No			
Vehicle Fueling	No			
Vehicle Maintenance	No			
Vehicle Painting/ Stripping	No			
Vehicle Washing	No			
Water Tank Cleaning/ Washing	No			
Other	No			



CLT - Tenant Inspection

No.
00035

Any solid or liquid material used or stored at your facility could have the potential to impact storm water if handled, stored, or used improperly. An inventory of these types of materials is listed below.

Potential Pollutants

Pollutant	Present:	Management: (state storage or management practice)	Comments:
Antifreeze	No		
De-Icing Chemicals	No		
Fuel & Lubricants	No		
Herbicides/Pesticides	No		
Lavatory Waste	No		
Oil and Grease	No		
Paint	No		
Detergents or Washwater	No		
Firefighting Agents	No		
Solvent	No		
Used Batteries	No		
Laboratory Chemicals	No		
Perfumes/Dyes	No		
Liquid or Solid Corrosives	No		
Used Vehicle Parts	No		
Parts Cleaners	No		
Other Products	No		
Sediment	No		



Facility Details

Facility Name

Wilson Air Center - Hangar 12/13

Address or Area

Bldg 314

Facility Representative

Todd Rivard

Date(s) of Inspection

11/3/23

Representative Participation?

Yes

Contact Information (phone and/or email)

Trivard@wilsonair.com

Questions

1. Locate the storm drain locations at this facility (quantity/location)

2. Drains are free of debris?

Yes

Debris Note:

3. Are there visible signs of oil sheens leading to storm drains?

No

4. Is there evidence of spills of any kind to storm drains?

No

5. Has the tenant had any spills not previously reported to CLT?

No

Describe Unreported Previous Spill(s):

6. Are there hard pipe connections leading to the storm drains?

No

7. Are floor drains present inside the building?

No



CLT - Semi-annual Stormwater

No.
00055

8. Are any of the below products within 10 feet of a floor drain inside the building or near a grate drain outside the building?

a. Antifreeze

No

b. Batteries or Battery Acid

No

c. Pesticides

No

d. Fertilizers

No

e. Salt or Coal

No

f. Firefighting Foam

No

Does the tenant actively train with AFFF?

No

g. Garbage/Landfills

No

h. Oil Cans or Oil

No

i. Cleaning Agents

No

j. Degreasers

No

k. Sewerage Waste

No

l. Lavatory Chemicals

No

m. Paint/Paint Waste

No

n. De-Icing Fluid

No

9. Listed products (in question 8) should be stored in covered containers in an enclosed area

Yes

Product Storage Note:

None noted

10. Are large containers of liquids (over 660 gallons) present at this facility?

No

11. Containers over 660 gallons must be either;

12. Is there a secondary AST containment dike (or similar) present outside at this facility?

No

13. Does the dike contain a locking mechanism?

NA

14. Is the mechanism locked?

NA

15. Is there a log (available for review) of water released through the dike containing the date, time and quantity of release?

NA

16. Is there a refuse, scrap, recyclable or other-purposed dumpster in use at this facility?

No

Describe:

17. Are vehicles washed outside at the facility?



CLT - Semi-annual Stormwater

No.
00055

No

18. Does the tenant have a wash plan available?

NA

19. Is the vehicle wash water/wastewater collected?

NA

20. Are detergents biodegradable?

NA

Product Name: (See product label or MSDS)

21. Is there an active oil-water separator in use at this facility?

Yes

What is the cleanout frequency?

Unknown

22. Does the tenant have manifests available to correspond with OWS service dates?

23. The OWS flows to:

Unknown

24. Is there evidence of soil erosion or excessive "muddy" water runoff at your facility?

No

Runoff Note:

25. Are there any structural BMPs on site?

No

BMP List:

26. Is there overall evidence of an obvious, non-stormwater discharge to the stormwater drains at this facility?

No

Discharge Note:

Other comments or concerns:



CLT - Tenant Inspection

No.
00034

Inspection Details

Facility Name:
WAC - Hangar 12/13
Inspector Name:
Chris Alexander

Inspection Date:
11/3/2023

Activities listed below are conducted at the airport and have potential to impact storm water.

Industrial Activities

Activity	Current:	Location:	Contracted:	Comments:
Aircraft Deicing	No			
Aircraft Fueling	No			
Aircraft Maintenance	No			
Aircraft Painting/ Stripping	No			
Aircraft Sanitary Service	No			
Aircraft Washing	No			
Cargo Handling	No			
Chemical Storage	No			
Equipment Degreasing/ Washing	No			
Equipment Maintenance	No			
Equipment Storage	No			
Fuel Storage	No			
Fire Equipment Testing/ Flushing	No			
Floor Washdown	No			
Manufacturing	No			
Outdoor Apron Washdown	No			
Pesticide/Herbicide Use	No			
Potable Water Flushing	No			
Runway Deicing	No			
Runway Rubber Removal	No			
Steam Cleaning	No			
Vehicle Fueling	No			
Vehicle Maintenance	No			
Vehicle Painting/ Stripping	No			
Vehicle Washing	No			
Water Tank Cleaning/ Washing	No			
Other	No			



CLT - Tenant Inspection

No.
00034

Any solid or liquid material used or stored at your facility could have the potential to impact storm water if handled, stored, or used improperly. An inventory of these types of materials is listed below.

Potential Pollutants

Pollutant	Present:	Management: (state storage or management practice)	Comments:
Antifreeze	No		
De-Icing Chemicals	No		
Fuel & Lubricants	No		
Herbicides/Pesticides	No		
Lavatory Waste	No		
Oil and Grease	No		
Paint	No		
Detergents or Washwater	No		
Firefighting Agents	No		
Solvent	No		
Used Batteries	No		
Laboratory Chemicals	No		
Perfumes/Dyes	No		
Liquid or Solid Corrosives	No		
Used Vehicle Parts	No		
Parts Cleaners	No		
Other Products	No		
Sediment	No		



Facility Details

Facility Name

Wilson Air Center - Lowe's

Address or Area

Building 339

Facility Representative

Todd Rivard

Date(s) of Inspection

11/3/23

Representative Participation?

Yes

Contact Information (phone and/or email)

Trivard@wilsonair.com

Questions

1. Locate the storm drain locations at this facility (quantity/location)

2. Drains are free of debris?

Yes

Debris Note:

3. Are there visible signs of oil sheens leading to storm drains?

No

4. Is there evidence of spills of any kind to storm drains?

No

5. Has the tenant had any spills not previously reported to CLT?

Describe Unreported Previous Spill(s):

Not known

6. Are there hard pipe connections leading to the storm drains?

No

7. Are floor drains present inside the building?

Yes



CLT - Semi-annual Stormwater

No.
00052

8. Are any of the below products within 10 feet of a floor drain inside the building or near a grate drain outside the building?

a. Antifreeze

No

b. Batteries or Battery Acid

No

c. Pesticides

No

d. Fertilizers

No

e. Salt or Coal

No

f. Firefighting Foam

No

Does the tenant actively train with AFFF?

No

g. Garbage/Landfills

No

h. Oil Cans or Oil

No

i. Cleaning Agents

No

j. Degreasers

No

k. Sewerage Waste

No

l. Lavatory Chemicals

No

m. Paint/Paint Waste

No

n. De-Icing Fluid

No

9. Listed products (in question 8) should be stored in covered containers in an enclosed area

Product Storage Note:

10. Are large containers of liquids (over 660 gallons) present at this facility?

No

11. Containers over 660 gallons must be either;

12. Is there a secondary AST containment dike (or similar) present outside at this facility?

No

13. Does the dike contain a locking mechanism?

NA

14. Is the mechanism locked?

NA

15. Is there a log (available for review) of water released through the dike containing the date, time and quantity of release?

NA

16. Is there a refuse, scrap, recyclable or other-purposed dumpster in use at this facility?

Yes

Describe:

Lidded refuse

17. Are vehicles washed outside at the facility?



CLT - Semi-annual Stormwater

No.
00052

No

18. Does the tenant have a wash plan available?

NA

19. Is the vehicle wash water/wastewater collected?

NA

20. Are detergents biodegradable?

NA

Product Name: (See product label or MSDS)

21. Is there an active oil-water separator in use at this facility?

Yes

What is the cleanout frequency?

-

22. Does the tenant have manifests available to correspond with OWS service dates?

23. The OWS flows to:

Sanitary Sewer

24. Is there evidence of soil erosion or excessive "muddy" water runoff at your facility?

No

Runoff Note:

25. Are there any structural BMPs on site?

No

BMP List:

26. Is there overall evidence of an obvious, non-stormwater discharge to the stormwater drains at this facility?

No

Discharge Note:

Other comments or concerns:



CLT - Tenant Inspection

No.
00037

Inspection Details

Facility Name:

WAC - Lowes

Inspection Date:

11/3/2023

Inspector Name:

Chris Alexander

Activities listed below are conducted at the airport and have potential to impact storm water.

Industrial Activities

Activity	Current:	Location:	Contracted:	Comments:
Aircraft Deicing	No			
Aircraft Fueling	No			
Aircraft Maintenance	Yes	Inside	No	Minor Maintenance Only
Aircraft Painting/ Stripping	No			
Aircraft Sanitary Service	Yes	Inside	Yes	Contracted
Aircraft Washing	No			
Cargo Handling	No			
Chemical Storage	Yes	Inside	No	AFFF Concentrate
Equipment Degreasing/ Washing	No			
Equipment Maintenance	No			
Equipment Storage	No			
Fuel Storage	Yes	Inside	No	For fire fighting system pump
Fire Equipment Testing/ Flushing	No			
Floor Washdown	No			
Manufacturing	No			
Outdoor Apron Washdown	No			
Pesticide/Herbicide Use	No			
Potable Water Flushing	No			
Runway Deicing	No			
Runway Rubber Removal	No			
Steam Cleaning	No			
Vehicle Fueling	No			
Vehicle Maintenance	No			
Vehicle Painting/ Stripping	No			
Vehicle Washing	No			
Water Tank Cleaning/ Washing	No			



CLT - Tenant Inspection

No.
00037

Activity	Current:	Location:	Contracted:	Comments:
Other	No			

Any solid or liquid material used or stored at your facility could have the potential to impact storm water if handled, stored, or used improperly. An inventory of these types of materials is listed below.

Potential Pollutants

Pollutant	Present:	Management: (state storage or management practice)	Comments:
Antifreeze	No		
De-Icing Chemicals	No		
Fuel & Lubricants	Yes	1 fuel tank, double walled	Fuel for 2 diesel pumps in AFFF system
Herbicides/Pesticides	No		
Lavatory Waste	No		
Oil and Grease	Yes	Small containers in fireproof lockers	
Paint	No		
Detergents or Washwater	No		
Firefighting Agents	Yes	Foam concentrate in tank less than tote (300 gallons)	
Solvent	Yes	in fireproof cabinet	Off-the-shelf products, not bulk storage
Used Batteries	No		
Laboratory Chemicals	No		
Perfumes/Dyes	No		
Liquid or Solid Corrosives	No		
Used Vehicle Parts	No		
Parts Cleaners	No		
Other Products	No		
Sediment	No		



Facility Details

Facility Name

Wilson Air Center - National Gypsum

Address or Area

5111 Morris Field Drive Bldg 317

Facility Representative

Todd Rivard

Date(s) of Inspection

Representative Participation?

Yes

Contact Information (phone and/or email)

Trivard@wilsonair.com

Questions

1. Locate the storm drain locations at this facility (quantity/location)

2. Drains are free of debris?

Yes

Debris Note:

3. Are there visible signs of oil sheens leading to storm drains?

No

4. Is there evidence of spills of any kind to storm drains?

No

5. Has the tenant had any spills not previously reported to CLT?

No

Describe Unreported Previous Spill(s):

6. Are there hard pipe connections leading to the storm drains?

No

7. Are floor drains present inside the building?

Yes



CLT - Semi-annual Stormwater

No.
00053

8. Are any of the below products within 10 feet of a floor drain inside the building or near a grate drain outside the building?

a. Antifreeze

No

b. Batteries or Battery Acid

No

c. Pesticides

No

d. Fertilizers

No

e. Salt or Coal

No

f. Firefighting Foam

No

Does the tenant actively train with AFFF?

No

g. Garbage/Landfills

No

h. Oil Cans or Oil

No

i. Cleaning Agents

No

j. Degreasers

No

k. Sewerage Waste

No

l. Lavatory Chemicals

No

m. Paint/Paint Waste

No

n. De-Icing Fluid

No

9. Listed products (in question 8) should be stored in covered containers in an enclosed area

Yes

Product Storage Note:

10. Are large containers of liquids (over 660 gallons) present at this facility?

No

11. Containers over 660 gallons must be either;

12. Is there a secondary AST containment dike (or similar) present outside at this facility?

No

13. Does the dike contain a locking mechanism?

NA

14. Is the mechanism locked?

NA

15. Is there a log (available for review) of water released through the dike containing the date, time and quantity of release?

NA

16. Is there a refuse, scrap, recyclable or other-purposed dumpster in use at this facility?

No

Describe:

17. Are vehicles washed outside at the facility?



CLT - Semi-annual Stormwater

No.
00053

No

18. Does the tenant have a wash plan available?

NA

19. Is the vehicle wash water/wastewater collected?

NA

20. Are detergents biodegradable?

NA

Product Name: (See product label or MSDS)

21. Is there an active oil-water separator in use at this facility?

22. Does the tenant have manifests available to correspond with OWS service dates?

Yes

23. The OWS flows to:

Unknown

24. Is there evidence of soil erosion or excessive "muddy" water runoff at your facility?

No

Runoff Note:

25. Are there any structural BMPs on site?

No

BMP List:

26. Is there overall evidence of an obvious, non-stormwater discharge to the stormwater drains at this facility?

No

Discharge Note:

Other comments or concerns:



CLT - Tenant Inspection

No.
00036

Inspection Details

Facility Name:
WAC - National Gypsum
Inspector Name:
Chris Alexander

Inspection Date:
11/3/2023

Activities listed below are conducted at the airport and have potential to impact storm water.

Industrial Activities

Activity	Current:	Location:	Contracted:	Comments:
Aircraft Deicing	No			
Aircraft Fueling	No			
Aircraft Maintenance	No			
Aircraft Painting/ Stripping	No			
Aircraft Sanitary Service	No			
Aircraft Washing	No			
Cargo Handling	No			
Chemical Storage	No			
Equipment Degreasing/ Washing	No			
Equipment Maintenance	No			
Equipment Storage	No			
Fuel Storage	No			
Fire Equipment Testing/ Flushing	No			
Floor Washdown	No			
Manufacturing	No			
Outdoor Apron Washdown	No			
Pesticide/Herbicide Use	No			
Potable Water Flushing	No			
Runway Deicing	No			
Runway Rubber Removal	No			
Steam Cleaning	No			
Vehicle Fueling	No			
Vehicle Maintenance	No			
Vehicle Painting/ Stripping	No			
Vehicle Washing	No			
Water Tank Cleaning/ Washing	No			
Other	No			



CLT - Tenant Inspection

No.
00036

Any solid or liquid material used or stored at your facility could have the potential to impact storm water if handled, stored, or used improperly. An inventory of these types of materials is listed below.

Potential Pollutants

Pollutant	Present:	Management: (state storage or management practice)	Comments:
Antifreeze	No		
De-Icing Chemicals	No		
Fuel & Lubricants	No		
Herbicides/Pesticides	No		
Lavatory Waste	No		
Oil and Grease	No		
Paint	No		
Detergents or Washwater	No		
Firefighting Agents	No		
Solvent	No		
Used Batteries	No		
Laboratory Chemicals	No		
Perfumes/Dyes	No		
Liquid or Solid Corrosives	No		
Used Vehicle Parts	No		
Parts Cleaners	No		
Other Products	No		
Sediment	No		



Facility Details

Facility Name

Wilson Air Center - Sonic Aviation

Address or Area

5398 Airport Drive Bldg 316

Facility Representative

Todd Rivard

Date(s) of Inspection

11/3/23

Representative Participation?

Yes

Contact Information (phone and/or email)

Trivard@wilsonair.com

Questions

1. Locate the storm drain locations at this facility (quantity/location)

2. Drains are free of debris?

Yes

Debris Note:

3. Are there visible signs of oil sheens leading to storm drains?

No

4. Is there evidence of spills of any kind to storm drains?

No

5. Has the tenant had any spills not previously reported to CLT?

No

Describe Unreported Previous Spill(s):

6. Are there hard pipe connections leading to the storm drains?

No

7. Are floor drains present inside the building?

No



CLT - Semi-annual Stormwater

No.
00059

8. Are any of the below products within 10 feet of a floor drain inside the building or near a grate drain outside the building?

a. Antifreeze

No

b. Batteries or Battery Acid

No

c. Pesticides

No

d. Fertilizers

No

e. Salt or Coal

No

f. Firefighting Foam

No

Does the tenant actively train with AFFF?

No

g. Garbage/Landfills

No

h. Oil Cans or Oil

No

i. Cleaning Agents

No

j. Degreasers

No

k. Sewerage Waste

No

l. Lavatory Chemicals

No

m. Paint/Paint Waste

No

n. De-Icing Fluid

No

9. Listed products (in question 8) should be stored in covered containers in an enclosed area

Product Storage Note:

10. Are large containers of liquids (over 660 gallons) present at this facility?

No

11. Containers over 660 gallons must be either;

12. Is there a secondary AST containment dike (or similar) present outside at this facility?

No

13. Does the dike contain a locking mechanism?

NA

14. Is the mechanism locked?

NA

15. Is there a log (available for review) of water released through the dike containing the date, time and quantity of release?

NA

16. Is there a refuse, scrap, recyclable or other-purposed dumpster in use at this facility?

Yes

Describe:

Lidded refuse

17. Are vehicles washed outside at the facility?



CLT - Semi-annual Stormwater

No.
00059

No

18. Does the tenant have a wash plan available?

NA

19. Is the vehicle wash water/wastewater collected?

NA

20. Are detergents biodegradable?

NA

Product Name: (See product label or MSDS)

21. Is there an active oil-water separator in use at this facility?

Yes

What is the cleanout frequency?

Unknown

22. Does the tenant have manifests available to correspond with OWS service dates?

No

23. The OWS flows to:

Unknown

24. Is there evidence of soil erosion or excessive "muddy" water runoff at your facility?

No

Runoff Note:

25. Are there any structural BMPs on site?

No

BMP List:

26. Is there overall evidence of an obvious, non-stormwater discharge to the stormwater drains at this facility?

No

Discharge Note:

Other comments or concerns:



CLT - Tenant Inspection

No.
00029

Inspection Details

Facility Name:

WAC - Sonic

Inspection Date:

11/3/2023

Inspector Name:

Chris Alexander

Activities listed below are conducted at the airport and have potential to impact storm water.

Industrial Activities

Activity	Current:	Location:	Contracted:	Comments:
Aircraft Deicing	No			
Aircraft Fueling	No			
Aircraft Maintenance	No			
Aircraft Painting/ Stripping	No			
Aircraft Sanitary Service	No			
Aircraft Washing	No			
Cargo Handling	No			
Chemical Storage	No			
Equipment Degreasing/ Washing	No			
Equipment Maintenance	No			
Equipment Storage	No			
Fuel Storage	No			
Fire Equipment Testing/ Flushing	No			
Floor Washdown	No			
Manufacturing	No			
Outdoor Apron Washdown	No			
Pesticide/Herbicide Use	No			
Potable Water Flushing	No			
Runway Deicing	No			
Runway Rubber Removal	No			
Steam Cleaning	No			
Vehicle Fueling	No			
Vehicle Maintenance	No			
Vehicle Painting/ Stripping	No			
Vehicle Washing	No			
Water Tank Cleaning/ Washing	No			
Other	No			



CLT - Tenant Inspection

Any solid or liquid material used or stored at your facility could have the potential to impact storm water if handled, stored, or used improperly. An inventory of these types of materials is listed below.

Potential Pollutants

Pollutant	Present:	Management: (state storage or management practice)	Comments:
Antifreeze	No		
De-Icing Chemicals	No		
Fuel & Lubricants	No		
Herbicides/Pesticides	No		
Lavatory Waste	No		
Oil and Grease	No		
Paint	No		
Detergents or Washwater	No		
Firefighting Agents	No		
Solvent	No		
Used Batteries	No		
Laboratory Chemicals	No		
Perfumes/Dyes	No		
Liquid or Solid Corrosives	No		
Used Vehicle Parts	No		
Parts Cleaners	No		
Other Products	No		
Sediment	No		



Facility Details

Facility Name

Wilson Air Center - T Hangar

Address or Area

5111 Airport Drive Bldg 310

Facility Representative

Todd Rivard

Date(s) of Inspection

11/3/23

Representative Participation?

Yes

Contact Information (phone and/or email)

Trivard@wilsonair.com

Questions

1. Locate the storm drain locations at this facility (quantity/location)

2. Drains are free of debris?

Yes

Debris Note:

3. Are there visible signs of oil sheens leading to storm drains?

No

4. Is there evidence of spills of any kind to storm drains?

No

5. Has the tenant had any spills not previously reported to CLT?

No

Describe Unreported Previous Spill(s):

6. Are there hard pipe connections leading to the storm drains?

No

7. Are floor drains present inside the building?

Yes



CLT - Semi-annual Stormwater

No.
00058

8. Are any of the below products within 10 feet of a floor drain inside the building or near a grate drain outside the building?

a. Antifreeze

No

b. Batteries or Battery Acid

No

c. Pesticides

No

d. Fertilizers

No

e. Salt or Coal

No

f. Firefighting Foam

No

Does the tenant actively train with AFFF?

No

g. Garbage/Landfills

No

h. Oil Cans or Oil

No

i. Cleaning Agents

No

j. Degreasers

No

k. Sewerage Waste

No

l. Lavatory Chemicals

No

m. Paint/Paint Waste

No

n. De-Icing Fluid

No

9. Listed products (in question 8) should be stored in covered containers in an enclosed area

Yes

Product Storage Note:

N/A

10. Are large containers of liquids (over 660 gallons) present at this facility?

No

11. Containers over 660 gallons must be either;

12. Is there a secondary AST containment dike (or similar) present outside at this facility?

No

13. Does the dike contain a locking mechanism?

NA

14. Is the mechanism locked?

NA

15. Is there a log (available for review) of water released through the dike containing the date, time and quantity of release?

NA

16. Is there a refuse, scrap, recyclable or other-purposed dumpster in use at this facility?

No

Describe:

17. Are vehicles washed outside at the facility?



CLT - Semi-annual Stormwater

No.
00058

No

18. Does the tenant have a wash plan available?

NA

19. Is the vehicle wash water/wastewater collected?

NA

20. Are detergents biodegradable?

NA

Product Name: (See product label or MSDS)

21. Is there an active oil-water separator in use at this facility?

Yes

What is the cleanout frequency?

Unknown

22. Does the tenant have manifests available to correspond with OWS service dates?

No

23. The OWS flows to:

Unknown

24. Is there evidence of soil erosion or excessive "muddy" water runoff at your facility?

Runoff Note:

25. Are there any structural BMPs on site?

No

BMP List:

26. Is there overall evidence of an obvious, non-stormwater discharge to the stormwater drains at this facility?

No

Discharge Note:

Other comments or concerns:



CLT - Tenant Inspection

No.
00030

Inspection Details

Facility Name:
WAC T-Hangar
Inspector Name:
Chris Alexander

Inspection Date:
11/3/2023

Activities listed below are conducted at the airport and have potential to impact storm water.

Industrial Activities

Activity	Current:	Location:	Contracted:	Comments:
Aircraft Deicing	No			
Aircraft Fueling	No			
Aircraft Maintenance	Yes	Inside	No	Minor maintenance
Aircraft Painting/ Stripping	No			
Aircraft Sanitary Service	No			
Aircraft Washing	No			
Cargo Handling	No			
Chemical Storage	No			
Equipment Degreasing/ Washing	No			
Equipment Maintenance	No			
Equipment Storage	Yes	Inside	No	Aircraft, Automobile, and Motorcycle storage inside T-Hangar
Fuel Storage	No			
Fire Equipment Testing/ Flushing	No			
Floor Washdown	No			
Manufacturing	No			
Outdoor Apron Washdown	No			
Pesticide/Herbicide Use	No			
Potable Water Flushing	No			
Runway Deicing	No			
Runway Rubber Removal	No			
Steam Cleaning	No			
Vehicle Fueling	No			
Vehicle Maintenance	Yes	Inside	No	
Vehicle Painting/ Stripping	No			
Vehicle Washing	No			
Water Tank Cleaning/ Washing	No			



CLT - Tenant Inspection

No.
00030

Activity	Current:	Location:	Contracted:	Comments:
Other	No			

Any solid or liquid material used or stored at your facility could have the potential to impact storm water if handled, stored, or used improperly. An inventory of these types of materials is listed below.

Potential Pollutants

Pollutant	Present:	Management: (state storage or management practice)	Comments:
Antifreeze	Yes	In vehicles in storage	
De-Icing Chemicals	No		
Fuel & Lubricants	Yes	SAA & off-the-shelf products	
Herbicides/Pesticides	No		
Lavatory Waste	No		
Oil and Grease	Yes	SAA & off-the-shelf products	
Paint	Yes	Small spray cans	
Detergents or Washwater	No		
Firefighting Agents	No		
Solvent	Yes	Off-the-shelf products on shelves and inside flammable cabinet	
Used Batteries	No		
Laboratory Chemicals	No		
Perfumes/Dyes	No		
Liquid or Solid Corrosives	No		
Used Vehicle Parts	No		
Parts Cleaners	No		
Other Products	No		
Sediment	No		



Facility Details

Facility Name

Wilson Air Center - Truist

Address or Area

5434 Airport Drive

Facility Representative

Todd Rivard

Date(s) of Inspection

11/3/23

Representative Participation?

Yes

Contact Information (phone and/or email)

Trivard@wilsonair.com

Questions

1. Locate the storm drain locations at this facility (quantity/location)

2. Drains are free of debris?

Yes

Debris Note:

3. Are there visible signs of oil sheens leading to storm drains?

No

4. Is there evidence of spills of any kind to storm drains?

No

5. Has the tenant had any spills not previously reported to CLT?

No

Describe Unreported Previous Spill(s):

6. Are there hard pipe connections leading to the storm drains?

No

7. Are floor drains present inside the building?

Yes



CLT - Semi-annual Stormwater

No.
00074

8. Are any of the below products within 10 feet of a floor drain inside the building or near a grate drain outside the building?

a. Antifreeze

No

b. Batteries or Battery Acid

No

c. Pesticides

No

d. Fertilizers

No

e. Salt or Coal

No

f. Firefighting Foam

No

Does the tenant actively train with AFFF?

Yes

g. Garbage/Landfills

No

h. Oil Cans or Oil

No

i. Cleaning Agents

No

j. Degreasers

No

k. Sewerage Waste

No

l. Lavatory Chemicals

No

m. Paint/Paint Waste

No

n. De-Icing Fluid

No

9. Listed products (in question 8) should be stored in covered containers in an enclosed area

Yes

Product Storage Note:

10. Are large containers of liquids (over 660 gallons) present at this facility?

No

11. Containers over 660 gallons must be either;

12. Is there a secondary AST containment dike (or similar) present outside at this facility?

No

13. Does the dike contain a locking mechanism?

NA

14. Is the mechanism locked?

NA

15. Is there a log (available for review) of water released through the dike containing the date, time and quantity of release?

NA

16. Is there a refuse, scrap, recyclable or other-purposed dumpster in use at this facility?

Yes

Describe:

Lidded dumpster

17. Are vehicles washed outside at the facility?



CLT - Semi-annual Stormwater

No.
00074

No

18. Does the tenant have a wash plan available?

NA

19. Is the vehicle wash water/wastewater collected?

NA

20. Are detergents biodegradable?

NA

Product Name: (See product label or MSDS)

21. Is there an active oil-water separator in use at this facility?

Yes

What is the cleanout frequency?

Unknown

22. Does the tenant have manifests available to correspond with OWS service dates?

No

23. The OWS flows to:

Sanitary Sewer

24. Is there evidence of soil erosion or excessive "muddy" water runoff at your facility?

No

Runoff Note:

25. Are there any structural BMPs on site?

No

BMP List:

26. Is there overall evidence of an obvious, non-stormwater discharge to the stormwater drains at this facility?

No

Discharge Note:

Other comments or concerns:

Generator with 140 gal tank



CLT - Tenant Inspection

No.
00039

Inspection Details

Facility Name:

WAC - Truist

Inspection Date:

11/3/2023

Inspector Name:

Chris Alexander

Activities listed below are conducted at the airport and have potential to impact storm water.

Industrial Activities

Activity	Current:	Location:	Contracted:	Comments:
Aircraft Deicing	No			
Aircraft Fueling	No			
Aircraft Maintenance	Yes	Inside	No	Minor maintenance - changing batteries in smoke detectors, etc.
Aircraft Painting/ Stripping	No			
Aircraft Sanitary Service	No			
Aircraft Washing	No			
Cargo Handling	No			
Chemical Storage	No			
Equipment Degreasing/ Washing	No			
Equipment Maintenance	No			
Equipment Storage	No			
Fuel Storage	No			
Fire Equipment Testing/ Flushing	No			
Floor Washdown	No			
Manufacturing	No			
Outdoor Apron Washdown	No			
Pesticide/Herbicide Use	No			
Potable Water Flushing	No			
Runway Deicing	No			
Runway Rubber Removal	No			
Steam Cleaning	No			
Vehicle Fueling	No			
Vehicle Maintenance	No			
Vehicle Painting/ Stripping	No			
Vehicle Washing	No			
Water Tank Cleaning/ Washing	No			



CLT - Tenant Inspection

No.
00039

Activity	Current:	Location:	Contracted:	Comments:
Other	Yes	Both	No	Foam fire-fighting system with motorized pumps.

Any solid or liquid material used or stored at your facility could have the potential to impact storm water if handled, stored, or used improperly. An inventory of these types of materials is listed below.

Potential Pollutants

Pollutant	Present:	Management: (state storage or management practice)	Comments:
Antifreeze	No		
De-Icing Chemicals	No		
Fuel & Lubricants	Yes	Off-the-shelf type products in flammable cabinet	
Herbicides/Pesticides	No		
Lavatory Waste	No		
Oil and Grease	Yes	SAA	
Paint	No		
Detergents or Washwater	No		
Firefighting Agents	Yes	Foam concentrate in tanks,	
Solvent	No		
Used Batteries	No		
Laboratory Chemicals	No		
Perfumes/Dyes	No		
Liquid or Solid Corrosives	No		
Used Vehicle Parts	No		
Parts Cleaners	No		
Other Products	No		
Sediment	No		



Facility Details

Facility Name

Wilson Fuel Farm

Address or Area

5422 Airport Drive

Facility Representative

Todd Rivard

Date(s) of Inspection

11/3/23

Representative Participation?

Yes

Contact Information (phone and/or email)

Trivard@wilsonair.com

Questions

1. Locate the storm drain locations at this facility (quantity/location)

2. Drains are free of debris?

Yes

Debris Note:

3. Are there visible signs of oil sheens leading to storm drains?

No

4. Is there evidence of spills of any kind to storm drains?

No

5. Has the tenant had any spills not previously reported to CLT?

No

Describe Unreported Previous Spill(s):

6. Are there hard pipe connections leading to the storm drains?

No

7. Are floor drains present inside the building?

Yes



CLT - Semi-annual Stormwater

No.
00069

8. Are any of the below products within 10 feet of a floor drain inside the building or near a grate drain outside the building?

a. Antifreeze

No

b. Batteries or Battery Acid

No

c. Pesticides

No

d. Fertilizers

No

e. Salt or Coal

No

f. Firefighting Foam

No

Does the tenant actively train with AFFF?

No

g. Garbage/Landfills

No

h. Oil Cans or Oil

No

i. Cleaning Agents

No

j. Degreasers

No

k. Sewerage Waste

No

l. Lavatory Chemicals

No

m. Paint/Paint Waste

No

n. De-Icing Fluid

No

9. Listed products (in question 8) should be stored in covered containers in an enclosed area

Yes

Product Storage Note:

20k ASTs (6)

10. Are large containers of liquids (over 660 gallons) present at this facility?

Yes

11. Containers over 660 gallons must be either;

Stored within a secondary containment structure

12. Is there a secondary AST containment dike (or similar) present outside at this facility?

Yes

13. Does the dike contain a locking mechanism?

Yes

14. Is the mechanism locked?

Yes

15. Is there a log (available for review) of water released through the dike containing the date, time and quantity of release?

Yes

16. Is there a refuse, scrap, recyclable or other-purposed dumpster in use at this facility?

No

Describe:

17. Are vehicles washed outside at the facility?



CLT - Semi-annual Stormwater

No.
00069

No

18. Does the tenant have a wash plan available?

NA

19. Is the vehicle wash water/wastewater collected?

NA

20. Are detergents biodegradable?

NA

Product Name: (See product label or MSDS)

21. Is there an active oil-water separator in use at this facility?

Yes

What is the cleanout frequency?

Semi-annually

22. Does the tenant have manifests available to correspond with OWS service dates?

Yes

23. The OWS flows to:

Stormwater System

24. Is there evidence of soil erosion or excessive "muddy" water runoff at your facility?

No

Runoff Note:

25. Are there any structural BMPs on site?

No

BMP List:

26. Is there overall evidence of an obvious, non-stormwater discharge to the stormwater drains at this facility?

No

Discharge Note:

Other comments or concerns:



CLT - Tenant Inspection

No.
00044

Inspection Details

Facility Name:
WAC - Fuel Farm
Inspector Name:
Chris Alexander

Inspection Date:
11/3/2023

Activities listed below are conducted at the airport and have potential to impact storm water.

Industrial Activities

Activity	Current:	Location:	Contracted:	Comments:
Aircraft Deicing	No			
Aircraft Fueling	No			
Aircraft Maintenance	No			
Aircraft Painting/ Stripping	No			
Aircraft Sanitary Service	No			
Aircraft Washing	No			
Cargo Handling	No			
Chemical Storage	No			
Equipment Degreasing/ Washing	No			
Equipment Maintenance	No			
Equipment Storage	No			
Fuel Storage	Yes	Outside	No	Fuel Farm
Fire Equipment Testing/ Flushing	No			
Floor Washdown	No			
Manufacturing	No			
Outdoor Apron Washdown	No			
Pesticide/Herbicide Use	No			
Potable Water Flushing	No			
Runway Deicing	No			
Runway Rubber Removal	No			
Steam Cleaning	No			
Vehicle Fueling	No			
Vehicle Maintenance	No			
Vehicle Painting/ Stripping	No			
Vehicle Washing	No			
Water Tank Cleaning/ Washing	No			
Other	No			



CLT - Tenant Inspection

Any solid or liquid material used or stored at your facility could have the potential to impact storm water if handled, stored, or used improperly. An inventory of these types of materials is listed below.

Potential Pollutants

Pollutant	Present:	Management: (state storage or management practice)	Comments:
Antifreeze	No		
De-Icing Chemicals	No		
Fuel & Lubricants	Yes	one 20,000-gal Avgas tank, five 20,000-gal Jet fuel A tanks in secondary containment with OWS.	
Herbicides/Pesticides	No		
Lavatory Waste	No		
Oil and Grease	No		
Paint	No		
Detergents or Washwater	No		
Firefighting Agents	No		
Solvent	No		
Used Batteries	No		
Laboratory Chemicals	No		
Perfumes/Dyes	No		
Liquid or Solid Corrosives	No		
Used Vehicle Parts	No		
Parts Cleaners	No		
Other Products	No		
Sediment	No		



Facility Details

Facility Name

Wilson Air Center - North Fuel Farm

Address or Area

4680 First Flight Drive, Bldg 337

Facility Representative

Todd Rivard

Date(s) of Inspection

11/3/23

Representative Participation?

Yes

Contact Information (phone and/or email)

Trivard@wilsonair.com

Questions

1. Locate the storm drain locations at this facility (quantity/location)

2. Drains are free of debris?

Yes

Debris Note:

3. Are there visible signs of oil sheens leading to storm drains?

No

4. Is there evidence of spills of any kind to storm drains?

No

5. Has the tenant had any spills not previously reported to CLT?

No

Describe Unreported Previous Spill(s):

6. Are there hard pipe connections leading to the storm drains?

No

7. Are floor drains present inside the building?

No



CLT - Semi-annual Stormwater

No.
00068

8. Are any of the below products within 10 feet of a floor drain inside the building or near a grate drain outside the building?

a. Antifreeze

No

b. Batteries or Battery Acid

No

c. Pesticides

No

d. Fertilizers

No

e. Salt or Coal

No

f. Firefighting Foam

No

Does the tenant actively train with AFFF?

No

g. Garbage/Landfills

No

h. Oil Cans or Oil

No

i. Cleaning Agents

No

j. Degreasers

No

k. Sewerage Waste

No

l. Lavatory Chemicals

No

m. Paint/Paint Waste

No

n. De-Icing Fluid

No

9. Listed products (in question 8) should be stored in covered containers in an enclosed area

Product Storage Note:

12K ASTs (4)

10. Are large containers of liquids (over 660 gallons) present at this facility?

Yes

11. Containers over 660 gallons must be either;

Constructed of double-wall materials

12. Is there a secondary AST containment dike (or similar) present outside at this facility?

Yes

13. Does the dike contain a locking mechanism?

Yes

14. Is the mechanism locked?

Yes

15. Is there a log (available for review) of water released through the dike containing the date, time and quantity of release?

Yes

16. Is there a refuse, scrap, recyclable or other-purposed dumpster in use at this facility?

No

Describe:

17. Are vehicles washed outside at the facility?



CLT - Semi-annual Stormwater

No.
00068

No

18. Does the tenant have a wash plan available?

NA

19. Is the vehicle wash water/wastewater collected?

NA

20. Are detergents biodegradable?

NA

Product Name: (See product label or MSDS)

21. Is there an active oil-water separator in use at this facility?

Yes

What is the cleanout frequency?

Unknown

22. Does the tenant have manifests available to correspond with OWS service dates?

No

23. The OWS flows to:

Stormwater System

24. Is there evidence of soil erosion or excessive "muddy" water runoff at your facility?

Runoff Note:

25. Are there any structural BMPs on site?

No

BMP List:

26. Is there overall evidence of an obvious, non-stormwater discharge to the stormwater drains at this facility?

No

Discharge Note:

Other comments or concerns:

Remediation shed from release



CLT - Tenant Inspection

No.
00045

Inspection Details

Facility Name:
WAC - North Fuel Farm (Former BOA FF)
Inspector Name:
Chris Alexander

Inspection Date:
11/3/2023

Activities listed below are conducted at the airport and have potential to impact storm water.

Industrial Activities

Activity	Current:	Location:	Contracted:	Comments:
Aircraft Deicing	No			
Aircraft Fueling	No			
Aircraft Maintenance	No			
Aircraft Painting/ Stripping	No			
Aircraft Sanitary Service	No			
Aircraft Washing	Yes			
Cargo Handling	No			
Chemical Storage	No			
Equipment Degreasing/ Washing	No			
Equipment Maintenance	No			
Equipment Storage	No			
Fuel Storage	Yes	Outside	No	
Fire Equipment Testing/ Flushing	No			
Floor Washdown	No			
Manufacturing	No			
Outdoor Apron Washdown	No			
Pesticide/Herbicide Use	No			
Potable Water Flushing	No			
Runway Deicing	No			
Runway Rubber Removal	No			
Steam Cleaning	No			
Vehicle Fueling	No			
Vehicle Maintenance	No			
Vehicle Painting/ Stripping	No			
Vehicle Washing	No			
Water Tank Cleaning/ Washing	No			
Other	No			



CLT - Tenant Inspection

No.
00045

Any solid or liquid material used or stored at your facility could have the potential to impact storm water if handled, stored, or used improperly. An inventory of these types of materials is listed below.

Potential Pollutants

Pollutant	Present:	Management: (state storage or management practice)	Comments:
Antifreeze	No		
De-Icing Chemicals	No		
Fuel & Lubricants	Yes	Four 12,000-gallon ASTs	
Herbicides/Pesticides	No		
Lavatory Waste	No		
Oil and Grease	No		
Paint	No		
Detergents or Washwater	No		
Firefighting Agents	No		
Solvent	No		
Used Batteries	No		
Laboratory Chemicals	No		
Perfumes/Dyes	No		
Liquid or Solid Corrosives	No		
Used Vehicle Parts	No		
Parts Cleaners	No		
Other Products	No		
Sediment	No		

Appendix E

Blank Forms

Semi-Annual Tenant Inspection Form

Semi-Annual Stormwater Inspection

Facility Name _____ Address or Area _____

Facility Representative _____ Date(s) of Inspection _____

Contact information (phone and/or email) _____

1. Locate the storm drain locations at this facility (*quantity/location*)

2. Are drains free of debris? YES NO

3. Are there visible signs of oil sheens leading to storm drains? YES NO

4. Is there evidence of spills of any kind to storm drains? YES NO

5. Has the tenant had any spills not previously reported to CLT? YES NO

(describe) _____

6. Are there hard pipe connections leading to the storm drains? YES NO

7. Are floor drains present inside the building? YES NO

8. Are any of the below products within 10 feet of a floor drain inside the building or near a grate drain outside the building?

- | | | |
|------------------------------|-----|----|
| a. Antifreeze | Yes | No |
| b. Batteries or battery acid | Yes | No |
| c. Pesticides | Yes | No |
| d. Fertilizers | Yes | No |
| e. Salt or Coal | Yes | No |
| f. Garbage/Landfills | Yes | No |
| g. Oil Cans or Oil | Yes | No |
| h. Cleaning agents | Yes | No |
| i. Degreasers | Yes | No |
| j. Sewage waste | Yes | No |
| k. Lavatory chemicals | Yes | No |
| l. Paint/Paint waste | Yes | No |
| m. De-Icing Fluid | Yes | No |

9. Are the items listed above stored in covered containers and/or in an enclosed area?

YES NO

Comments: _____

10. Is firefighting foam (AFFF) currently stored on site? YES NO
11. Is there active training with, or periodic releases of, AFFF? YES NO
If yes, how often? _____
12. Are large containers of liquids (over 660 gallons) present at this facility? YES NO
13. Containers over 660 gallons must be either:
- Constructed of double-wall materials OR
 - Stored within a secondary containment structure
14. Is there a secondary containment dike (or similar) present outside at this facility? _____ (if not, please answer 15, 16 and 17 with "NA")
15. Does the dike contain a locking mechanism? YES NO NA
16. Is the mechanism locked? YES NO NA
17. Is there a log (available for review) of water released through the dike containing the date, time, condition, and quantity of release? YES NO NA
18. Is there a refuse, scrap, recyclable, or other-purposed dumpster in use at this facility?
YES NO (describe) _____
19. Are vehicles washed outside at the facility? YES NO
(if not, then please answer 20, 21 and 22 with "NA")
20. Does the tenant have a wash plan available? YES NO NA
21. Is the vehicle wash water/wastewater collected? YES NO NA
22. Are detergents biodegradable? YES NO NA
Product name: _____ **See product label or MSDS**
23. Is there an active oil-water separator (OWS) in use at this facility? YES NO
(if not, then answer 24 and 25 with "NA")
If yes, what is the service/cleanout frequency? _____
24. Does the tenant have manifests available to correspond with OWS service dates?
YES NO NA
25. Does the OWS flow to a sanitary sewer, the stormwater system, or is it unknown? **Circle one**

26. Is there evidence of soil erosion or excessive "muddy" water runoff at your facility?
YES NO

Describe _____

27. Are there any structural BMPs on site (detention ponds, sand filters, etc.)?
YES NO

List and describe: _____

28. Is there overall evidence of an obvious non-stormwater discharge to the stormwater drains at this facility? YES NO

Describe _____

Other comments or concerns:

Please Remember the Following

- Virtually ANY LIQUID products OTHER THAN WATER should be stored away from storm drains and should be stored in containers that do not leak. Lids or caps should be on and tight.
- Storm drains should only receive rainfall and snowmelt – nothing else, with few exceptions.
- Detergents used outdoors must be biodegradable.
- Nothing is to be poured or piped – either intentionally or accidentally – into a storm drain at your facility.
- Please don't park leaking vehicles or repair vehicles over storm drains.
- Storm drains are a separate utility from the sanitary sewer. Water that goes into the storm drain flows unimpeded directly into a creek or stream.
- Report spills to Airport Operations (359-4012) or an Environmental staff member (see below) immediately so that proper response, assessment, and cleanup can be initiated.

The Inspection performed at your facility by Airport staff is REQUIRED as part of the Airport's NPDES or "Stormwater Permit". A copy of the Airport's Permit NC0083887 can be obtained by calling or emailing one of the contacts below:

Jimmy D. Jordan, P.G.
Airport Environmental Manager
980-288-3793 / jimmy.jordan@cltairport.com

Joshua G. Eller
Environmental Compliance Coordinator
704-793-7706 / joshua.eller@cltairport.com

M. Colin Walker, REHS
Environmental Compliance Specialist
980-240-3859 / michael.walker@cltairport.com

Spill Reporting Form

Reportable Spill Information Form
Charlotte/Douglas International Airport

Spill Date and Time _____

Type of Material Spilled (for example, No. 2 Fuel Oil) _____

Estimated Quantity Spilled _____

Estimated Quantity Entering Navigable Waters (not plant drainage)

Source of Spill _____

Description of Affected Area (for example, spill covered dirt area 80 feet long by 20 feet wide)

Cause of Spill _____

Injuries or Damages _____

Corrective Actions Taken _____

Evacuation Needed? _____

Names of Other Parties Contacted _____

List of Significant Spills and Leaks

Storm Water Release Form

**Policy/Procedure for Control of Liquid Discharges
From Secondary Containment Structures**

PURPOSE: To control liquid discharges from secondary containment structures on Airport Property.

AUDIENCE: CLT Tenants, CLT Employees

OWNER: CLT Environmental Affairs

POLICY & PROCEDURE:

Any and all secondary containment dikes (or concrete curb containments) that have a manually activated drain valve should have a locking mechanism and should remain in the closed position. These valves must remain closed until the collected runoff can be observed.

Procedure

Liquids collected within the containment area should be assessed for the presence of oil, petroleum, heavy oil sheen, and or other non-permitted discharges. If visual observation and best judgment concludes that the collected runoff is significantly free of petroleum, heavy oil sheen, and /or other non-permitted discharges, then the collected water may be released. If the collected water or liquid does not appear free of petroleum, or has the presence of a heavy oil sheen or other deleterious substance, then the valve shall not be opened and proper pumping and disposal shall be arranged and paid for by the user of the structure. The Airport's Environmental Affairs Manager shall be notified if the observed liquid appears to be contaminated water, non-precipitant, or other liquid substance.

Records must be kept for each containment discharge release. The written record should be kept on location. The record shall, at a minimum, retain the following information:

- Date of observation
- Prior Rainfall information
- Name of Person on site making the observation
- Information on the quality or appearance and approximate volume of the collected liquid
- Disposition of the collected liquid

If the user of the structure is in doubt about any of these requirements, the the Airport's Environmental Affairs Manager should be contacted by calling 704-359-4916.

END OF POLICY AND PROCEDURE STATEMENT

ACTION AND PARTICIPANTS:

Control Liquid Discharge from Secondary containment structures – All CLT users of secondary containment structures

- *Monitor, document, observe and manage the use of secondary liquid containment structures at CLT.*

Aviation Director Approval Date:
Effective Date:

Stormwater Discharge Outfall (SDO) Qualitative Monitoring Report



Stormwater Discharge Outfall (SDO) Qualitative Monitoring Report

For guidance on filling out this form, please visit <https://deq.nc.gov/about/divisions/energy-mineral-land-resources/energy-mineral-land-permits/stormwater-permits/npdes-industrial-sw#tab-4>

Permit No.: N/C/ or Certificate of Coverage No.: N/C/G/

Facility Name: _____

County: _____ Phone No. _____

Inspector: _____

Date of Inspection: _____

Time of Inspection: _____

Total Event Precipitation (inches): _____

All permits require qualitative monitoring to be performed during a “measurable storm event.”

A “**measurable storm event**” is a storm event that results in **an actual discharge** from the permitted site outfall. The previous measurable storm event must have been at least 72 hours prior. The 72-hour storm interval does not apply if the permittee is able to document that a shorter interval is representative for local storm events during the sampling period, and the permittee obtains approval from the local DEMLR Regional Office.

By this signature, I certify that this report is accurate and complete to the best of my knowledge:

(Signature of Permittee or Designee)

1. Outfall Description:

Outfall No. _____ Structure (pipe, ditch, etc.): _____

Receiving Stream: _____

Describe the industrial activities that occur within the outfall drainage area: _____

2. **Color:** Describe the color of the discharge using basic colors (red, brown, blue, etc.) and tint (light, medium, dark) as descriptors: _____

3. **Odor:** Describe any distinct odors that the discharge may have (i.e., smells strongly of oil, weak chlorine odor, etc.): _____

4. **Clarity:** Choose the number which best describes the clarity of the discharge, where 1 is clear and 5 is very cloudy:

1 2 3 4 5

5. **Floating Solids:** Choose the number which best describes the amount of floating solids in the stormwater discharge, where 1 is no solids and 5 is the surface covered with floating solids:

1 2 3 4 5

6. **Suspended Solids:** Choose the number which best describes the amount of suspended solids in the stormwater discharge, where 1 is no solids and 5 is extremely muddy:

1 2 3 4 5

7. Is there any **foam** in the stormwater discharge? Yes No. _____

8. Is there an **oil sheen** in the stormwater discharge? Yes No. _____

9. Is there evidence of **erosion or deposition** at the outfall? Yes No. _____

10. **Other Obvious Indicators of Stormwater Pollution:**

List and describe _____

Note: Low clarity, high solids, and/or the presence of foam, oil sheen, or erosion/deposition may be indicative of pollutant exposure. These conditions warrant further investigation.

24-Hour Notification of a Discharge Form

For Non-UST Releases of Petroleum in NC

This form should be completed and submitted to the UST Section's regional office following a known or suspected release of petroleum from a source other than an underground storage tank. This form is required to be submitted within 24 hours of discovery of a known or suspected petroleum release

(DWM USE ONLY)
 Incident # _____ Priority Rank (H,I,L,U) _____
 Received (time/date) _____
 Received by _____ Region _____
 Reported by (circle one): Phone, Fax or Report

Suspected Contamination? (Y/N) ____
 Confirmed GW Contamination? (Y/N) ____
 Confirmed Soil Contamination?(Y/N) ____
 Samples taken?(Y/N) ____ Free product? (Y/N) ____
 If Yes(free product), state greatest thickness: ____ feet

Release discovered (time/date): _____

INCIDENT DESCRIPTION

Incident Name:

Address (street number/name):

County:

City/Town:

Zip Code:

Regional Office (circle one): Asheville, Mooresville, Fayetteville, Raleigh, Washington, Wilmington, Winston-Salem

Latitude (decimal degrees):

Longitude (decimal degrees) :

Obtained by:

Describe suspected or confirmed release (nature of release, time/date of release, quantity of release, amount of free product):

- GPS
- Electronic topographic map
- GIS Address matching
- Other
- Unknown

Describe initial response/abatement (time/date release stopped, cleanup begun/completed, quantity of product soil removed, confirmation sampling):

Describe impacted receptors:

Describe location:

HOW RELEASE WAS DISCOVERED (Release Code)
 (Check one)

- Observation of Release at Occurrence
- Visual or Olfactory Evidence
- Soil Contamination
- Groundwater Contamination
- Water Supply Well Contamination
- Surface Water Contamination
- Other (specify) _____

SOURCE OF CONTAMINATION

Source of Release

(Check one to indicate primary source)

- AST (tank)
- AST Piping/ Dispenser
- AST Delivery Problem
- OTR Vehicle Tank
- OTR Bulk Transport Tank
- RR Bulk Transport Tank
- Transformer
- Unknown
- Other _____

Definitions presented on reverse

Cause of Release

(Check one to indicate primary cause)

- Spill (Accidental)
- Spill (Intentional)
- Corrosion
- Physical or Mechanical Damage
- Equipment Failure
- AST Overfill
- AST Installation Problem
- Unknown
- Other _____

Definitions presented on reverse

Type of Release

(Check one)

- Petroleum
- Both Petroleum & Non-Petroleum

Location
 (Check one)

- Facility
- Residence
- Highway/Road
- Railway
- Other

Product Type Released

(Check one to indicate primary petroleum product type released)

- Gasoline/ Diesel/ Kerosene
- Diesel/Veg. Oil Blend
- E11 – E20
- Vegetable Oil 100%
- E21 – E84
- Heating Oil
- E85 – E99
- Waste Oil
- Ethanol 100%
- Mineral Oil-no PCBs
- Mineral Oil-PCBs
- Other Petroleum Products _____

Ownership

1. Municipal 2. Military 3. Unknown 4. Private 5. Federal 6. County 7. State

Operation Type

1. Public Service 2. Agricultural 3. Residential 4. Education/Relig. 5. Industrial 6. Commercial 7. Mining

Guidance presented on reverse

Training Documentation Form

Employee SWPPP Training Documentation Form

Charlotte/Douglas International Airport

Date of Session: _____ Time of Session: _____

Location of Session: Charlotte, NC

Instructor: _____

Subject: _____

Attendees:

Name	Company	Role
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

Discussion Topic and Purpose of Training Session: _____

(Attach Additional Sheets if Necessary)

Suggestions on Follow-up Sessions:

Session Instructor

Date

***NOTE: FILE THIS COMPLETED FORM IN THE SWPPP.**

NPDES Discharge Sampling Log Form

**STORMWATER DISCHARGE OUTFALL (SDO)
MONITORING REPORT**

Permit Number NC0083887

SAMPLES COLLECTED DURING CALENDAR YEAR: _____
(This monitoring report shall be received by the Division no later than 30 days from the date the facility receives the sampling results from the laboratory.)

FACILITY NAME *Charlotte Douglas International Airport*
PERSON COLLECTING SAMPLE(S):
CERTIFIED LABORATORY(S):

COUNTY Mecklenburg
PHONE NO. () _____

SIGNATURE OF PERMITTEE OR DESIGNEE IS
ON PAGE 2.

Part A: Specific Monitoring Requirements- Representative Outfalls- Quarterly Monitoring

Outfall No.	Date Sample Collected	46529	00530	00610	38260	00630	00310	00340	00600	45501	00400	00665	0076
		Total Rainfall	TSS	NH ₃	MBAS	NO ₂ NO ₃	BOD	COD	Total N	TPH	pH	Total P	Turbidity
		inches	mg/L	mg/L	mg/L	mg/L	mg/L	std. units	mg/L	mg/L	std. units	NTU	NTU
002													
003													
004													
F													
H													
K													
Other	—	—	—	—	—	—	—	—	—	—	—	—	—
Benchmarks	—	—	100	7.2	0.5	10	30	120	30	15	6-9	2	50

Notes:

STORM EVENT CHARACTERISTICS:

Date _____
Total Event Precipitation (inches): _____
Event Duration (hours): _____ (only if applicable – see permit.)

(if more than one storm event was sampled)

Dates _____
Total Event Precipitation (inches): _____
Event Duration (hours): _____ (only if applicable – see permit.)

Mail Original and one copy to:
Division of Water Quality
Attn: Central Files
1617 Mail Service Center
Raleigh, North Carolina 27699-1617

"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 fines and imprisonment for knowing violations."

(Signature of Permittee)

(Date)

Non-Storm Water Discharge Assessment and Certification

NON-STORM WATER DISCHARGE ASSESSMENT AND CERTIFICATION
 Charlotte/Douglas International Airport

Completed by: Title:			Date:		
Date of Test or Evaluation	Outfall Directly Observed During the Test (identify as indicated on the site map)	Method Used to Test or Evaluate Discharge	Describe Results from Test for the Presence of Non-storm Water Discharge	Identify Potential Significant Sources	Name of Person Who Conducted the Test or Evaluation
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.					
A. Name & Official Title (type or print)			B. Area Code and Telephone No.		
C. Signature			D. Date Signed		

De-icing Fluid Usage

De-Icing Fluid Usage 20XX-XX Winter Season

This form should be used to report De-Icing Fluid Usage for 20XX-XX Winter Season

This form should be completed and returned **Monthly** or as requested by the Airport

Your Company _____

Contact Person _____ Phone # _____
(person whom is providing this information)

Circle ALL Appropriate Responses

CARRIER IDENTIFICATION	All Commercial Carriers (e.g. AA, Delta, etc.) General Aviation (e.g. Wilson Air) Cargo (e.g. FedEx, UPS, etc.) Non tenant/Others
-------------------------------	---

Deicing Fluid Usage - Please report the number of Gallons used **BEFORE** Dilution

Month	Propylene Glycol - Select a Type	
	Type 1	Type 4
October-XX		
November-XX		
December-XX		
January-XX		
Febuary-XX		
March-XX		
April-XX		
Additional months include here:		

PLEASE NOTE ETHYLENE GLYCOL (Type 1,4) IS NOT APPROVED FOR USE AT CLT

This form should be completed and returned **Monthly** or as requested by the Airport

EMAIL this form to: Jimmy D. Jordan, P.G.
jdjordan@charlotteairport.com
 Phone 980-288-3793

Comments on this form, or other De-Icing Information?

Appendix F

Deicing Plan



Airport De-icing Plan

2023-2024

**Charlotte Douglas International Airport
PO Box 19066
Charlotte, NC 28219**

Updated 10/31/2023

**Charlotte Douglas International Airport
Aircraft Deicing Plan
October 2023**

Charlotte Douglas International Airport (CLT), FAA Air Traffic Control Tower (ATCT), and air carriers at CLT have conducted planning meetings in the development of the attached procedures, which address changes in Federal Aviation Regulations Section 121.629 on aircraft deicing. CLT does not have suitable secondary deicing locations at the end of runways. Therefore, the focus of planning and these procedures is to identify deicing locations, taxi routings of aircraft and dispatching of aircraft when departure allocations are in effect in a method which will not cause delays from point of deicing to the runway end. The procedures contained in this plan augment the individual air carriers and the airport's snow and ice control plan.

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Aircraft Deicing and Ground Control of Aircraft

Purpose

To establish locations for aircraft deicing, and identify taxi routings of aircraft to departure ends of runways in an effort to expedite departures within deiced/anti-iced holdover times. Will also identify aircraft arrival and departure restrictions during runway closures and establish method of allocating departure slots to air carriers.

The Aircraft Deicing and Ground Control procedure is initiated whenever air carrier(s) notify Airport Operations Center 704-359-4012 that deicing operations are required.

Overview

Ten de-icing configurations have been established. All air-carriers and operators will utilize the centralized deicing contractor for deicing services. The primary location for all deicing will be on RWY 5/23, South Cargo, and Northwest Ramp.

All movement of ground equipment and personnel on FAA controlled movement areas of the airport to and from deice and inspection locations will require escort vehicles from Airport Operations equipped with FAA ground control radio frequencies. Escorts are requested by telephone or radio to the Airport Operations Center.

Departure Allocations

Most configurations require restricted arrival and departure rates during de-icing operations. Each carrier will be allocated a percentage of departure slots available each hour based on the percentage of scheduled aircraft departures the air carrier has at CLT on the current month, with at least a minimum of one slot per hour.

Specific Requirements

Aviation Department:

Upon receipt of a weather forecast which may require deicing operations, the Airport Operations Manager will set up a meeting or conference call with the FAA ATCT, the deicing companies, and the air carriers. This meeting will be to discuss the severity of the anticipated weather and its effects on arrival and departure rates.

Airport Operations staff will be positioned in the Ramp Tower during deicing operations. Their responsibilities are:

- Coordinate runway closures and snow removal operations with air carriers to help maximize runway usage and capacity.
- Monitor queue assignments for efficiency and ensure requests for de-icing are prioritized in the order received.
- Monitor field condition reports and advise the Snow Operations Boss, Snow Desk and other tenants as needed.
- Communicate in a timely manner to air carriers and FAA ATCT the approximate time periods that various configurations will be in effect.
- Coordinate with IDS escort requirements for ground vehicles in movement areas
- Airport Operations Liaison in Ramp tower can be reached at 704-359-4332.

Airport Operations Center:

Airport Operations Center will be responsible for initiating this plan and communicating with the FAA ATCT the closures of runways and taxiways and the approximate time periods that various configurations will be in effect.

- Issue NOTAMS as appropriate
- Record actions taken by airport staff in snow/ice removal operations
- Assist airport staff in managing and coordinating snow/ice removal operations
- Monitor weather conditions and pad throughput time, providing updates via WebEx in a timely manner
- Close/open portions of the movement area
- Track field condition reports
- Receive and disseminate accumulation/icing conditions for public access areas
- Snow Desk in Operations will be 704-359-4333 (only active during full deicing events)

Air Carrier Operation:

All air carriers requiring deicing or defrosting shall contact outbound ramp frequency for sequencing or contact the Ramp Tower Duty Manager at 704-359-1275 to coordinate a departure slot when restrictions are in effect.

IDS can be reached by phone or at the following frequencies.

Wilson Air (FBO) will conduct general aviation deicing only located on their apron.

De-Icing/De-Frosting Radio Frequencies

Integrated Deicing Service (IDS)	129.075- 5/23 West 129.775- 5/23 Center 128.875- 5/23 East 130.175- NW Hardstand 130.100- South Cargo Ramp	704-359-1123, 24, 25, 26
Wilson Air	129.4	704-359-0440

Ramp Tower:

Ramp Tower personnel will coordinate the following functions with the Director of Operations, FAA ATCT and all other carriers:

- Determine departure flow rate in 15 minute increments.
- Establish a deicing que.
- Evaluate and revise departure slots as conditions dictate.
- Clear taxiing aircraft to departure spots according to normal procedures.
- Send an American representative to the FAA ATC Tower.

FAA Air Traffic Control Tower (ATCT):

Upon being notified by the Airport Operations Center that CLT's deicing plan has been put into effect, the ATCT duty supervisor will coordinate the following functions with ATCT Ground Control, Ramp Tower, Airport Operations Manager and all other air carriers:

- Ensure that taxi routing by air carriers is followed according to configurations in effect at any given time. Maintain clearance at intersections where aircraft are lined up awaiting deicing.
- Alert Airport Operations Center of forecasted arrival and departure rates for configuration being used. Determine departure rate in 15-minute increments and advise Ramp Tower. Update this forecast for changing conditions each 30 minute time period (on the hour and half-hour).

- Clear escorted deicing equipment and personnel through movement areas as required to and from deicing and inspection locations identified in various configurations.

Reporting Requirements

The use of Aircraft de-icing fluid (ADF) continues to be tracked and reported at CLT to comply with the provisions of the Airports Storm Water Discharge permit. For those passenger and cargo air carriers which maintain a contractual agreement with a subcontracted entity to provide Aircraft deicing services to their fleet, the responsibility to track, maintain, and report usage data lies with that contractor (i.e., IDS). Where so such agreement exists, then the responsibility to report glycol usage data lies with the airline or other assigned contractor. Currently, no de-icing fluids (virgin, dilute or otherwise) are approved for use at CLT other than various types of propylene glycol. Request for Deviation from the use of this product should be directed to the CLT Environmental Affairs Manager. A sample of the form that should be used to report monthly ADF usage is in the Resources section of this document.

Marshalling Plan

IDS will provide marshalling to approach the stop marks at each deicing pad. The IDS Lead will communicate with the pilot through the assigned frequencies listed in this plan. The Aircraft Design Group capabilities of each pad are listed in **Deicing Configurations**, and provided to IDS.

Defrosting Operations

Defrosting will be allowed on RWY 5/23(when closed), NW Hardstand and on the South Cargo ramp deicing pads. The following is a description of the defrosting operations:

- Any departures prior to 0600 will be sent to South Cargo.
- For departures after 0600, IDS will setup pads on South Cargo and on the NW Hardstand. Remote parking spots T20-T24 must be vacated prior to using the NW Hardstand. If/when conditions and traffic warrant, the West pad of RWY 5/23 can be used.
 - West traffic to NW Hardstand
 - East Traffic to South Cargo

- South Cargo will be utilized for charter flights, IROPS, etc and may not be available for defrosting operations. In this case, all defrosting operations will relocate to RWY 5/23 or the NW Hardstand.
- Operations Coordinators will escort IDS trucks into position on the NW Hardstand or RWY 5/23.
- Ramp Control will set up Aerobahn in the de-icing format.
- Ramp Control in coordination with IDS will assign Eastbound traffic to spots 23 or 24 south. Only 4 aircraft at a time can be sent down to South Cargo.
- Ramp Control will assign Westbound traffic to the NW Hardstand using spot 5S.
- IDS will assign pad location on the NW Hardstand once aircraft establishes contact.
- Ramp Control will remind all aircraft that are going to Runway 5/23 or South Cargo for deice to notify the FAA at the spot.
- Ramp Control will need to indicate which aircraft is requesting to be de-frosted with Aerobahn including all OA carriers.

The FAA ATCT will work with the air carriers and airport to favor a North Operation during defrosting operations.

Deicing Configurations

The following is a description of the deicing configurations and estimated arrival/departure restrictions per hour.

The suggested routes for taxiing aircraft are shown in the Resources section. The FAA tower will determine the most efficient taxiing routes for aircraft. The Airport will pre-coordinate of remote aircraft parking in the West Hardstand. Runway 5/23 will be NOTAM closed except for Taxi during all options. Remote parking spots T20-T24 must be vacated prior to using the NW Hardstand.

The NW Hardstand and South Cargo Pads can support Airplane Design Group III (wingspan between 79-117') and below aircraft. Runway 5/23 Pads (West and Center) will support up to Airplane Design Group V (wingspan between 171-213').

Once all NW Hardstand Pads are in use, ramp control will send the remaining Departures to spot 5S until a Pad is assigned.

Prepare Deicing Operation (Option 1)

- In this option Runways 5/23 will be closed by Airport Operations to allow IDS to move staff and equipment into place prior to commencing deicing. No restrictions will be placed on arriving or departing aircraft in this option.

North Configuration - All Parallels Open (Option 2)

- Deicing on runway 5/23, NW Hardstand, and South Cargo Ramp.

South Configuration - All Parallels Open (Option 3)

- Deicing on runway 5/23, NW Hardstand, and South Cargo Ramp.

North Configuration - 36L Closed (Option 4)

- Deicing on runway 5/23, NW Hardstand, and South Cargo Ramp.
- Departures on 36C and 36R.

North Configuration - Single Runway Operation 36C (Option 5)

- All arrivals and departures 36C.
- Deicing on runway 5/23 and NW Hardstand. South Cargo will be used as required.

North Configuration - Single Runway Operation 36R (Option 6)

- All arrivals and departures 36R.

- Deicing on runway 5/23 and South Cargo Ramp. NW Hardstand will be used as required.

South Configuration – 18R Closed (Option 7)

- Deicing on runway 5/23, NW Hardstand, and South Cargo Ramp.
- Departures on 18C and 18L.

South Configuration – Single Runway Operation 18L (Option 8)

- Deicing on runway 5/23. NW Hardstand and South Cargo Ramps will be used as required.

South Configuration – Single Runway Operation 18C (Option 9)

- Deicing on runway 5/23 and NW Hardstand. South Cargo Ramp will be used as required.

South Configuration – Single Runway Operation 18R (Option 10)

- Primary option for SMGCS conditions in a southbound operation.
- Deicing on runway 5/23 and NW Hardstand. South Cargo Ramp will be used as required.

Resources

Airline Frequencies and Contact Numbers

Integrated Deicing Services (IDS)	129.075- 5/23 West 129.775- 5/23 Center 128.875- 5/23 East 130.175- NW Hardstand 130.100-South Cargo Ramp	704-359-1123, 24, 25, 26
-----------------------------------	---	--------------------------

Deicing Contractors and Contracted Airlines

Deicing Contractor	Contracted Airline
Integrated Deicing Services (IDS)	All Carriers
Wilson Air Center	General Aviation

Deicing Fluid Storage

Location	Type	Capacity
Glycol Refill Station	I	90,000 gal
Cargo Ramp	I	21,000 gal
Glycol Refill Station	IV	60,000 gal

Deicing Fluid Usage Report

De-icing Fluid Usage 2023-24 Winter Season

<p>This form should be used to report De-Icing Fluid Usage for 2023-24 Winter Season</p> <p>This form should be completed and returned Monthly or as requested by the Airport</p>		
<p>Your Company _____</p>		
<p>Contact Person _____</p> <p><small>(person whom is providing this information)</small></p>		<p>Phone # _____</p>
<p>Circle ALL Appropriate Responses</p>		
<p>CARRIER IDENTIFICATION</p>	<p>All Commercial Carriers (e.g. AA, Delta, etc.)</p> <p>General Aviation (e.g. Wilson Air)</p> <p>Cargo (e.g. FedEx, UPS, etc.)</p> <p>Non tenant/Others</p>	
<p>Deicing Fluid Usage - Please report the number of Gallons used BEFORE Dilution</p>		
<p>Month</p>	<p>Propylene Glycol - Select a Type</p>	
	<p>Type 1</p>	<p>Type 4</p>
<p>October-23</p>		
<p>November-23</p>		
<p>December-23</p>		
<p>January-24</p>		
<p>February-24</p>		
<p>March-24</p>		
<p>April-24</p>		
<p><small>Additional months include here:</small></p>		
<p>PLEASE NOTE ETHYLENE GLYCOL (Type 1,4) IS <u>NOT</u> APPROVED FOR USE AT CLT</p>		
<p>This form should be completed and returned Monthly or as requested by the Airport</p>		
<p>EMAIL this form to: Jimmy D. Jordan, P.G.</p> <p style="margin-left: 40px;">jdjordan@charlotteairport.com</p> <p style="margin-left: 40px;">Phone 980-288-3793</p>		
<p>Comments on this form, or other De-Icing Information?</p>		

Glossary

Anti-icing.

A procedure used to provide protection against the formation of frost or ice and accumulation of snow or slush on clean surfaces of the aircraft for a limited period of time (holdover time (HOT)). Anti-icing fluids are normally applied unheated on clean aircraft surfaces, but may be applied heated, and include:

(1) SAE Type I fluid.

(2) Concentrates or mixtures of water and SAE Type I fluid.

(3) Concentrates or mixtures of water and SAE Type II fluid.

(4) Concentrates of SAE Type III fluid.

(5) Concentrates or mixtures of water and SAE Type IV fluid.

Deicing.

A procedure used to remove frost, ice, slush, or snow from the aircraft in order to provide clean surfaces.

The procedure can be accomplished using fluids, IR energy, mechanical means, or by heating the aircraft. Deicing fluid is usually applied heated to assure maximum deicing efficiency.

Frozen Contaminants.

As used in this AC, frozen contaminants include light freezing rain, freezing rain, freezing drizzle, frost, ice, ice pellets, snow, snow grains, and slush.

Holdover Time (HOT).

The estimated time that deicing/anti-icing fluid will prevent the formation of frost or ice and the accumulation of snow on the critical surfaces of an aircraft. HOT begins when the final application of deicing/anti-icing fluid commences and expires when the deicing/anti-icing fluid loses its effectiveness.

Pretakeoff Check.

A check of the aircraft's wings or representative aircraft surfaces for frozen contaminants. This check is conducted within the aircraft's HOT and **may** be made by observing representative surfaces from the flight deck, cabin, or outside the aircraft, depending on the type of aircraft and operator's FAA-approved program.

Pretakeoff Contamination Check.

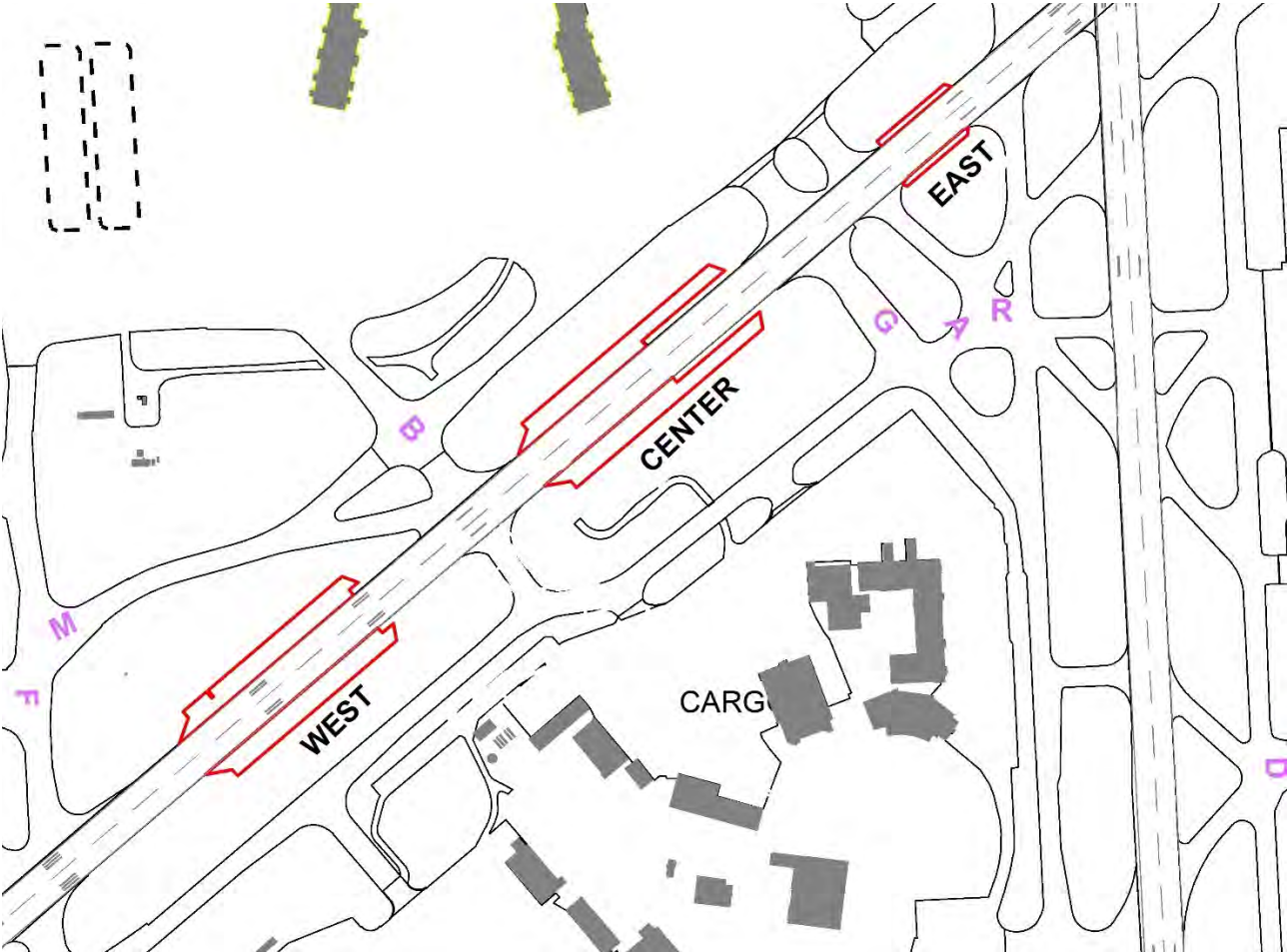
A check (conducted after the aircraft's HOT has been exceeded) to ensure the aircraft's wings, control surfaces, and other critical surfaces, as defined in the certificate holder's program, are free of all frozen

contaminants. This check must be completed within 5 minutes before beginning takeoff and from outside the aircraft, unless the certificate holder's FAA-approved program specifies otherwise.

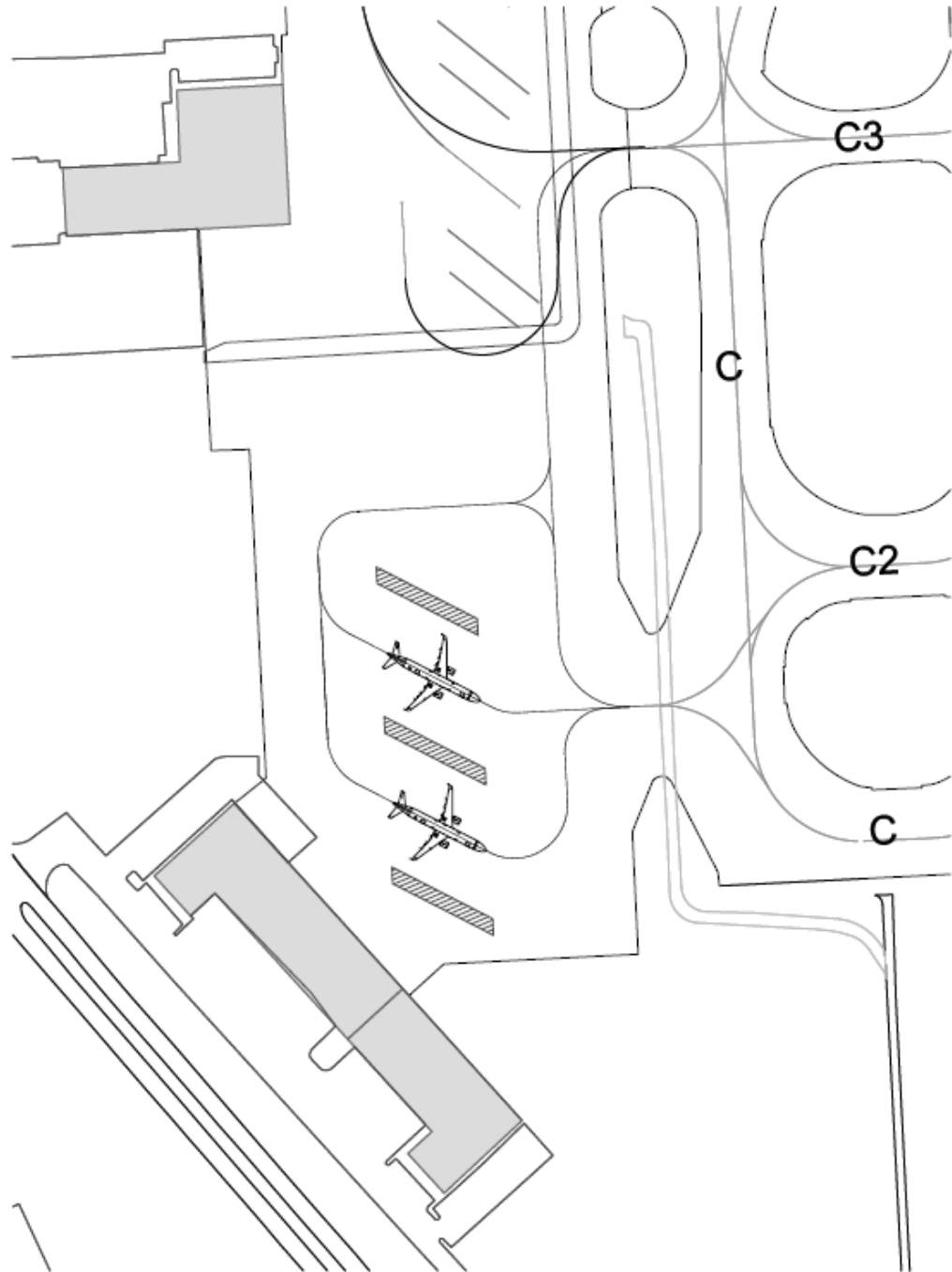
Post-Deicing Check.

A check, after deicing application, to ensure that all aircraft critical surfaces are free of frozen contaminants.

Deicing/Defrosting Pads Runway 5-23



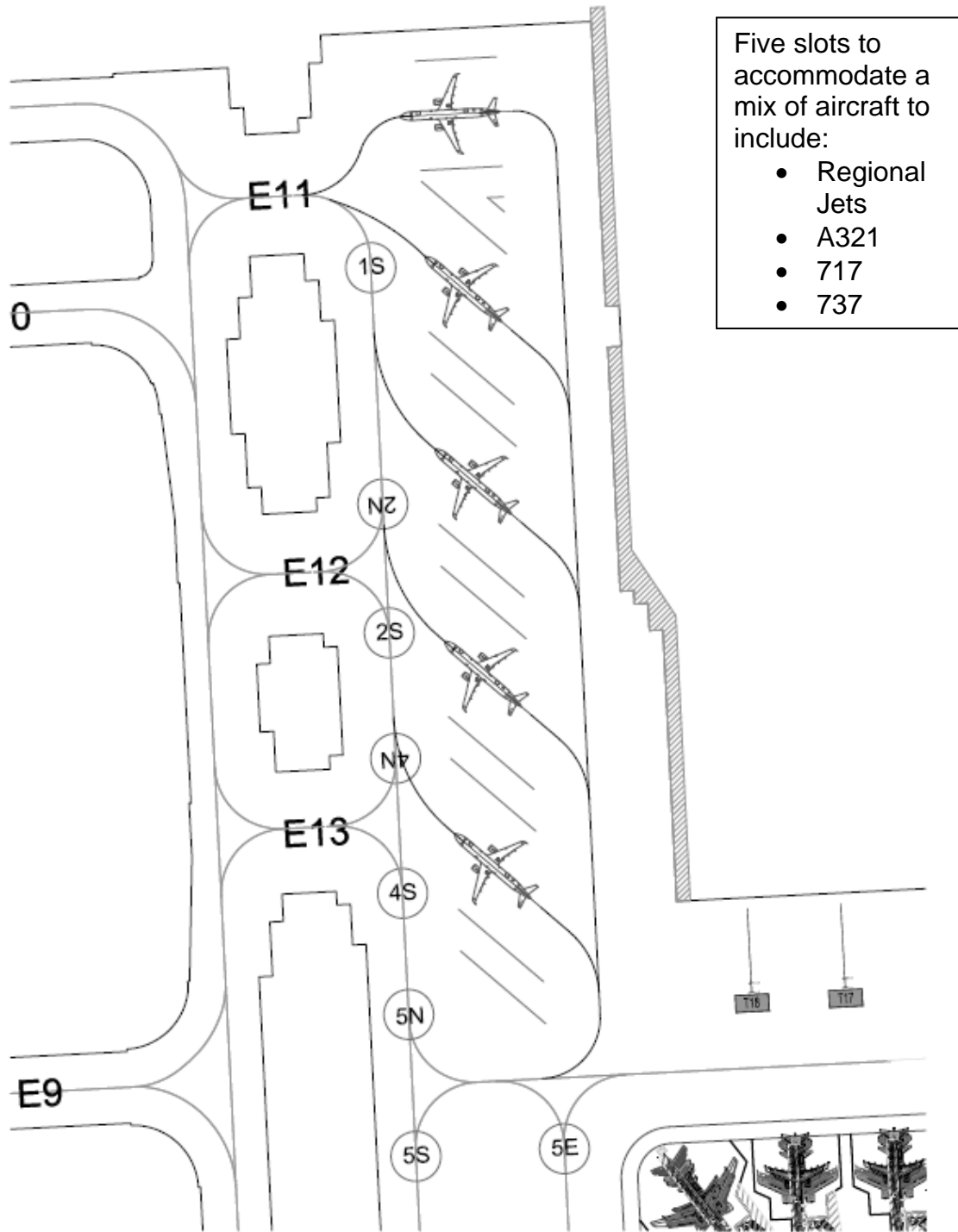
Deicing/Defrosting Pads South Cargo Ramp



Two slots to accommodate a mix of aircraft to include:

- Regional Jets
- A321
- 717
- 737

Deicing Pads NW Hardstand



IDS Truck Staffing Alert Levels

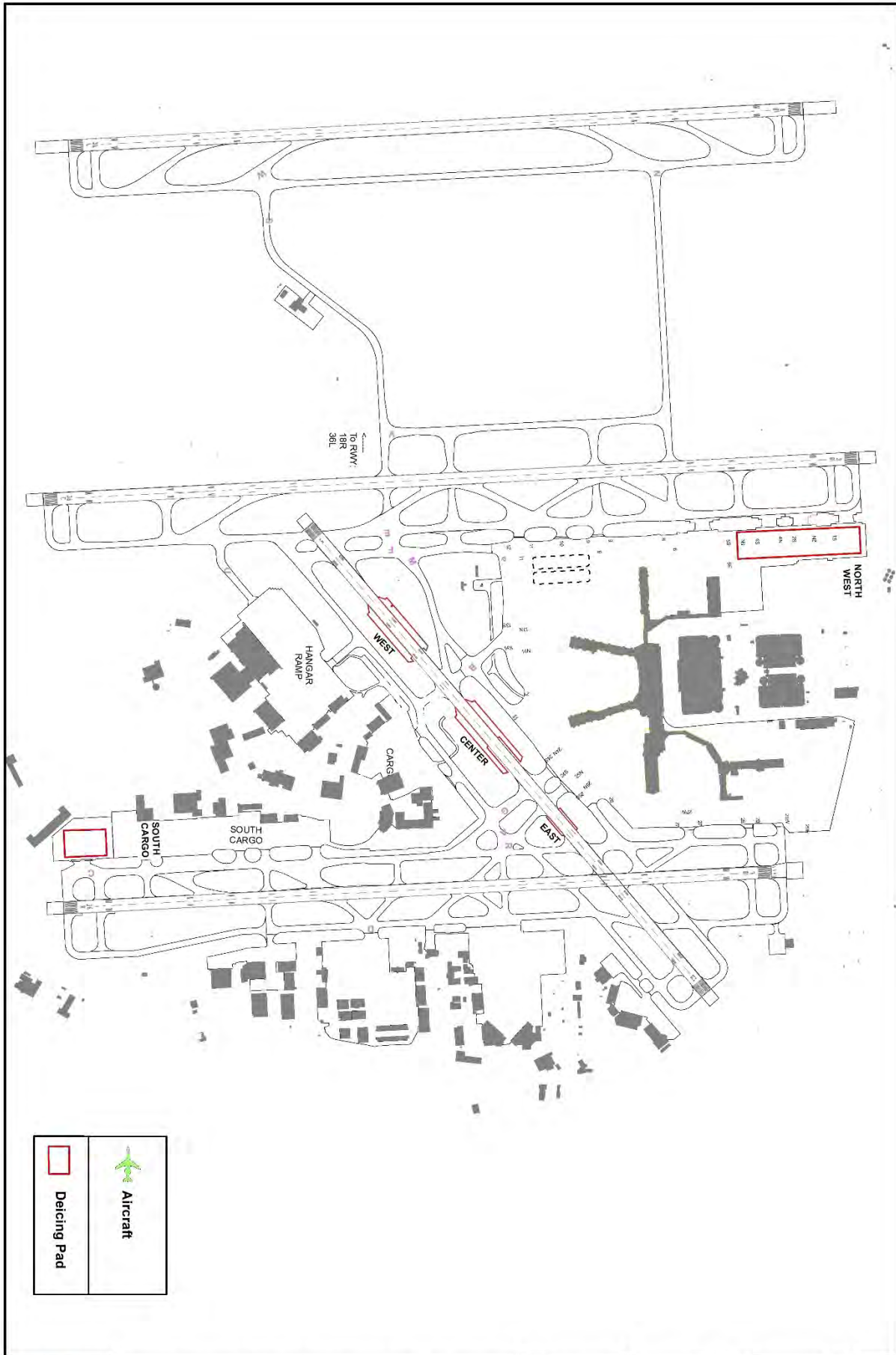
2022-2023	Temp	Forecast	Trucks
Minimum Staff	≤ 46° F	Potential for deicing cold soaked fuel	1
Frost - Standby	36° - 40° F	Potential for frost in the am	14
Frost - Actual	< 36° F	Frost forecasted	14
Snow - Standby	< 40° F	Snow/flurries in the forecast 20% - 50%	20-39
Snow - Actual	< 40° F	Snow/flurries in the forecast 20% - 50%	39



Urea Supply and Distribution Procedure

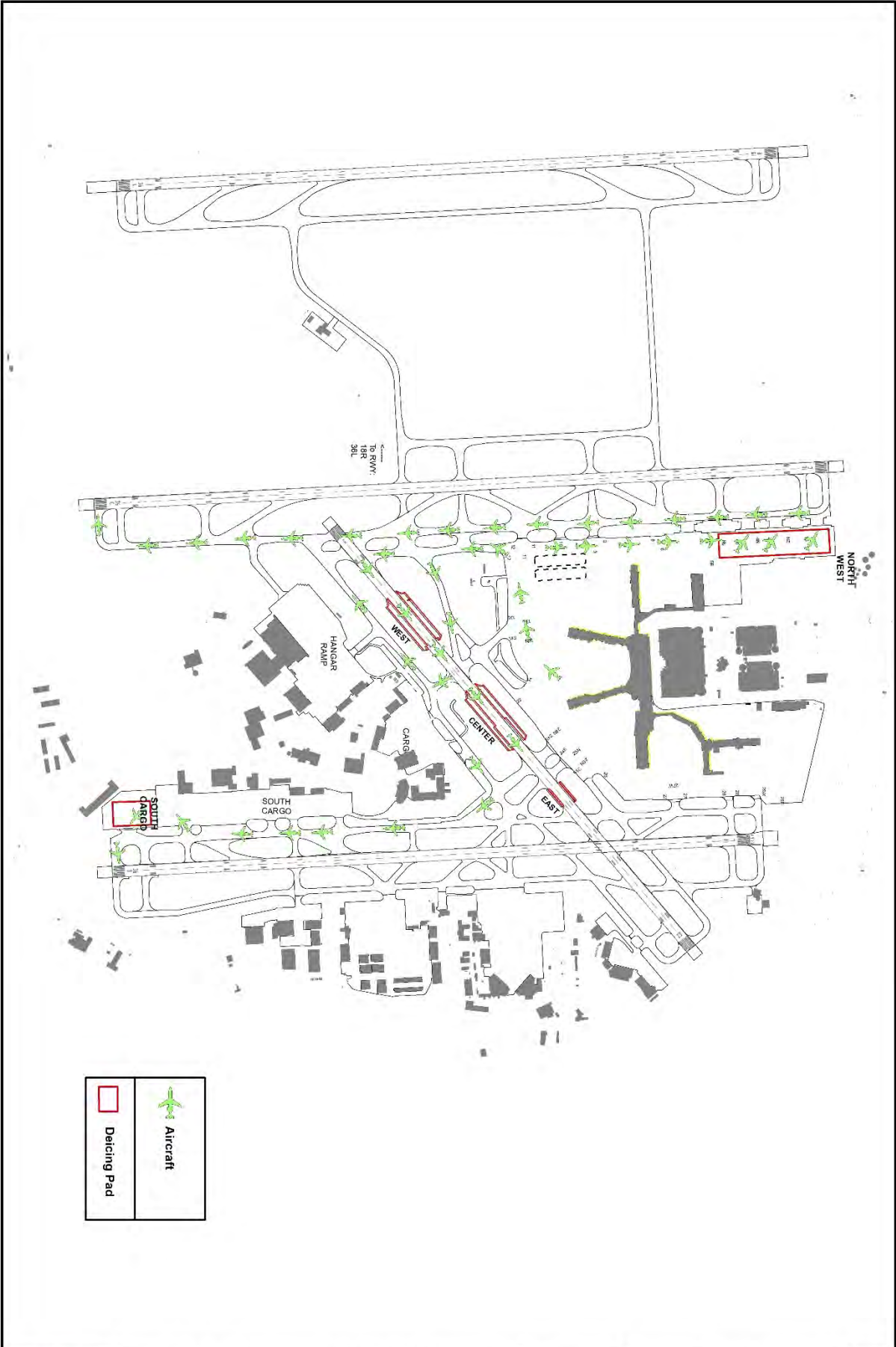
Each airline/tenant will have a designated representative to make the request for solid deicer prior to and during a snow/deicing event. All requests for solid deicer should be made to Terry Smith, Logistics Manager, via phone at 704-359-4764 or via email at ervin.smith@cltairport.com



For supply requests made early in the season & in advance to a snow/deicing event, Logistics will make efforts to deliver a pallet to the airlines designated location. For smaller requests (multiple bags), the airline representative will need to pick up the supply at the Logistics Department located on the back side of the CLT Center.

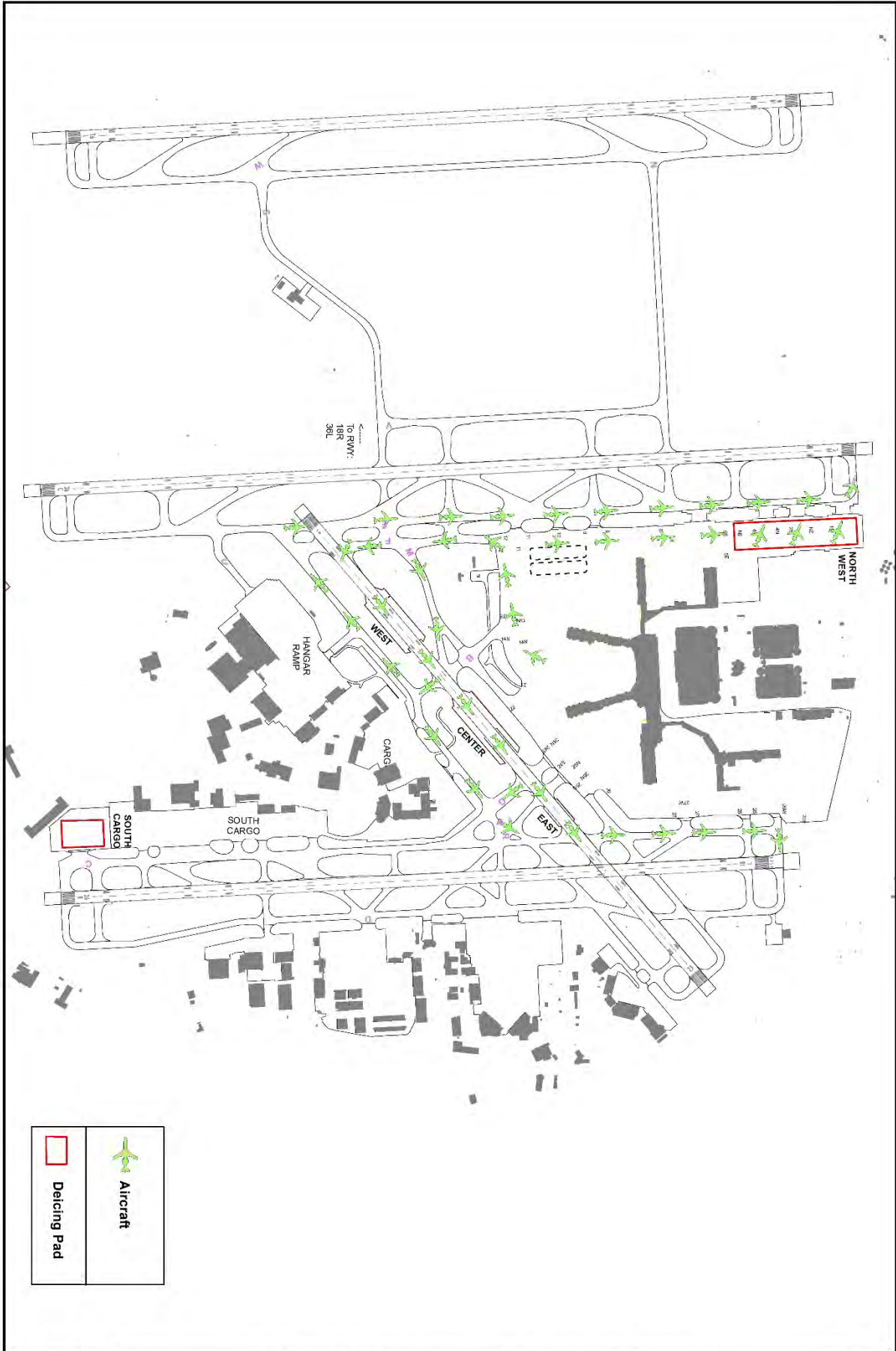
For supply requests made in the middle of an event, the airline must furnish their own transportation to the storage location (Saber Building, located between the PSA maintenance hangar and Fed Ex lower facility) where the materials will be dispensed by Facilities staff.





	
Deicing Pad	Aircraft





 Deicing Pad	 Aircraft
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Delimiting Pad	Aircraft



 Deicing Pad	 Aircraft
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North Configuration - 36L Closed (Option 4)



Path: G:\Operations\OCE\Excel\2021\DeicingOption4.mxd

SCALE

DATE:	
PROJECT:	
PROJECT NO.:	
USER:	SE002
PROJECT BY:	
DATE SAVED:	9/30/2021 12:25:01 PM

NO.	REVISION DESCRIPTION	DATE



	
Deicing Pad	Aircraft



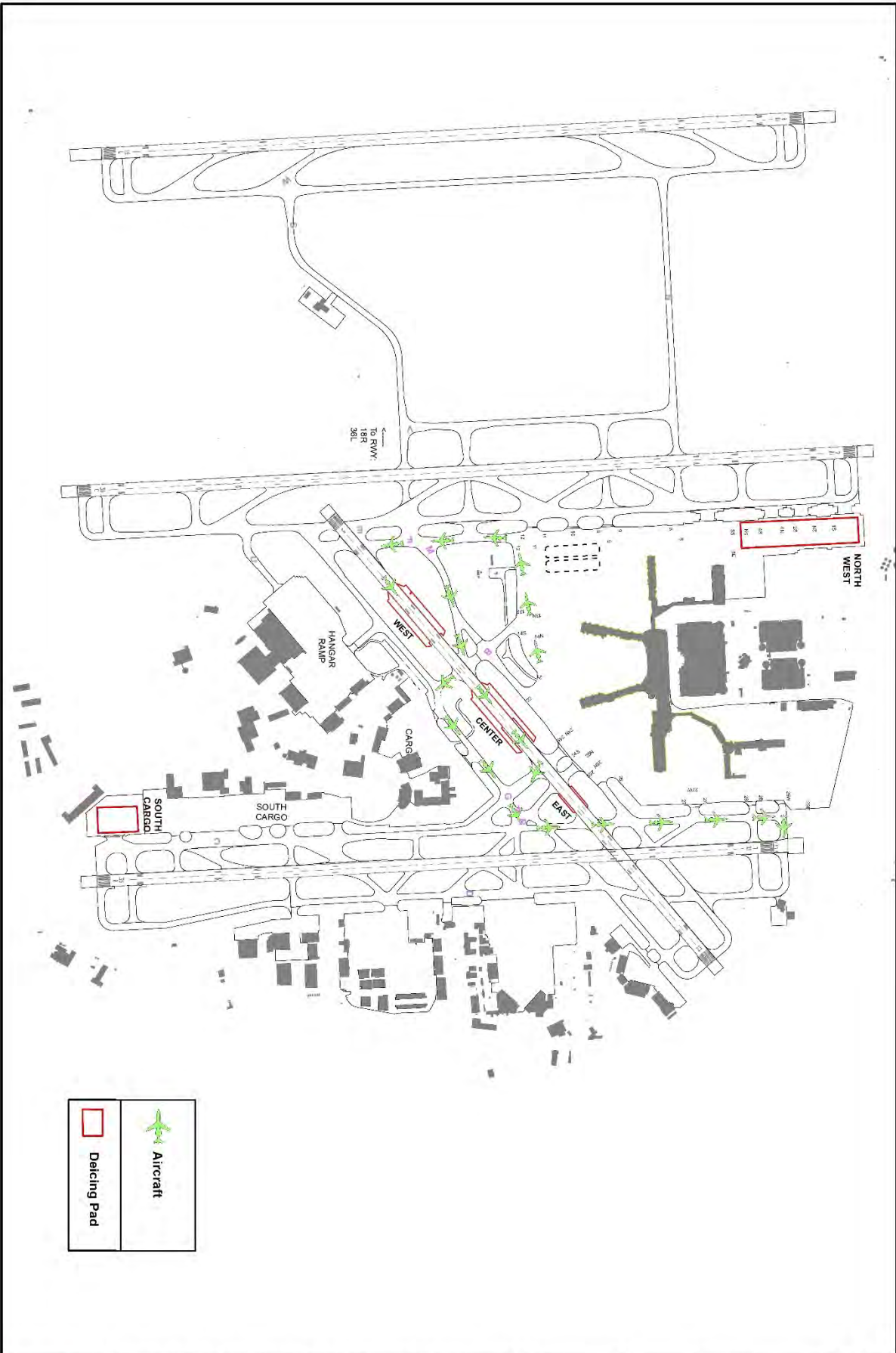
South Configuration -18R Closed (Option 7)

Path: G:\Operations\DEICE\Deice 2021\DeicingOption7.mxd

SCALE

DATE:	01/16/2021
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PROJECT NO:	18R
USER:	ES022
CREATED BY:	ES022
DATE SAVED:	01/16/2021 1:01:16 PM

NO.	REVISION DESCRIPTION	DATE



South Configuration - Single Runway Operation
18L Only (Option 8)



Path: G:\Operations\CEICE\Delco 2021\DelcoOption8.mxd

SCALE

CHECKED BY: []
PROJECT NO: []
USER: 98022
CHECKED BY: []
DATE SAVED: 9/20/2021 1:10:49 PM

REVISION DESCRIPTION	DATE



 Aircraft	 Delisting Pad
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**South Configuration - Single Runway Operation
18C Only (Option 9)**

Path: G:\Operations\CEICE\Delist 2021\DelistingOption9.mxd

SCALE

NO.	REVISION DESCRIPTION	DATE
1	PROJECT REV	
2	PROJECT NO	
3	USER: 94022	
4	DRAWN BY:	
5	Date Saved: 9/20/2021 1:23:03 PM	



 Deicing Pad	 Aircraft
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South Configuration - Single Runway Operation
18R Only (Option 10)

Path: G:\Operations\CEICE\Delve 2021\DeicingOption10.mxd

SCALE

CHECKED BY	DATE	REVISION DESCRIPTION	DATE
PROJECT ENG			
PROJECT TO			
USER: 38002			
CHECKED BY:			
DATE: 5/20/2021 1:33:59 PM			

Appendix G

Spill Notification Procedure

Outdoor Liquid Spills at CLT Airport

Notification and Communication Procedure

For fuel spills, and all other liquid spills – known or unknown

Areas covered: Airport Ramp, all non-movement and movement areas, and All Airport owned / tenant-leased properties.

Notify the Airport's Environmental Staff or Airport Operations for spills of:

Group A: Petroleum Products – these include oils and fuels of all kinds

- ✓ The spill is 10 gallons or greater;
- ✓ The spill extends 10 lateral feet or more, in any direction
- ✓ The spill is continuing / increasing in nature
- ✓ The spill is a petroleum product of any amount and has entered a subsurface conduit such as a grate, drain, or curb gutter;
- ✓ Rainfall is in progress of any size petroleum spill;

Group B: Non-Petroleum Products

(Including cooking oils, detergents, sewage, and other liquid products)

- ✓ The spill is 10 gallons or greater;
- ✓ The spill is an unknown or potentially hazardous product – call for any amount over 1 gallon OR if the spill cannot be immediately cleaned up;
- ✓ Un-dilute Liquid Deicer –Call for spills of 25 gallons or more;

Tenants or employees should notify Airport Operations if any of the above criteria apply to the situation. Reasonable measures should be taken by ANYONE who is available to stop or minimize a continuing spill.

Airport Operations 704-359-4012

Reporting spills to the appropriate regulatory agencies will be handled by the Airport Environmental Manager.

Appendix H

Spill Prevention and Response Plan

Airport Spill Prevention and Response Plan

Charlotte Douglas International Airport (CLT) currently maintains a *Stormwater Pollution Prevention Plan* (SWPPP). Along with the *Spill Prevention, Control, and Countermeasure Plan* (SPCC), these two documents incorporate the requirements of the *Spill Prevention and Response Plan*, or “SPRP”.

Potential pollutant sources are referenced in the *Tenant Inspection Data Sheets*, found in Appendix D of the SWPPP. Tenants accept individual responsibility for their respective work areas to ensure that they carry out the provisions of both CLT’s SWPPP and this SPRP. Their acknowledgement of this responsibility is re-iterated annually by signed documentation of their attendance at CLT’s annual *Pollution and Spill Prevention Training* in the final months of each calendar year.

This SPRP is prepared and implemented solely for those operations at CLT, located at 5501 Josh Birmingham Parkway, Charlotte, Mecklenburg County, North Carolina. The spatial boundaries of the property covered by the SPRP are identified on maps located in Appendix C of CLT’s SWPPP.

For additional specific elements of this SPRP, the user is asked to reference CLT’s SWPPP and SPCC Plans, made available at the CLT Center, 5601 Wilkinson Boulevard, Charlotte, North Carolina, zip code 28208. Contact Jimmy D. Jordan at (704) 359-4000 for more information.

Signature

Date of Last Review

Comments