



## Stormwater Management Plan

Updated June 2013

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**PERMIT No. NCS000516  
TO DISCHARGE STORMWATER UNDER THE  
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM**

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**Acronyms Used In This Document:**

- BMP: Best Management Practice
- GIS: Geographic Information System
- GPS: Global Positioning System
- IDDE: Illicit Discharge Detection and Elimination
- MOA: Memorandum of Agreement
- NCAC: North Carolina Administrative Code
- NCDEMLR: North Carolina Division of Energy, Mineral and Land Resources
- NCDENR: North Carolina Department of Environment and Natural Resources
- NCDOT: North Carolina Department of Transportation
- NCDWQ: North Carolina Division of Water Quality
- NCGTP: North Carolina Global TransPark
- NPDES: National Pollutant Discharge Elimination System
- NSW: Nutrient Sensitive Waters
- O&M: Operations and Maintenance
- SPPT: Stormwater Pollution Prevention Team
- SPRP: Spill Prevention and Response Plan
- SW: Swamp Waters
- SWMP: Stormwater Management Plan

## Section 1: Introduction

On March 1, 2011, the North Carolina Global TransPark Authority began operating under National Pollutant Discharge Elimination System (NPDES) Permit Number NCS000516. This permit is effective March 1, 2011 through February 28, 2016. This document provides the Stormwater Management Plan (SWMP) required by Part I, paragraphs 1, 6, and 7 of the NPDES permit. The overall objective of the SWMP is to protect the receiving stream water quality by reducing the discharge of pollutants from the NCGTP's storm drainage system to the maximum extent practicable through the implementation of the SWMP elements described within this plan. Included in this SWMP are the individual best management practices (BMPs) that will be used to fulfill program requirements along with the corresponding frequency of each BMP, measurable program goals, implementation schedule, funding sources, and responsible positions. The NCGTP Environmental Compliance Officer under the direction of the NCGTP Executive Director is responsible for the fulfillment of all activities discussed in this SWMP. The development of this SWMP will be completed within one (1) year and implementation completed within five (5) years from the effective date of the current issued permit. The SWMP includes the following core BMPs:

**1. Public Education and Outreach Program** – This program provides the NCGTP tenants and employees with valuable information on general water quality, pollution prevention, and reporting problems, as well as specialized information on various activities that have the potential to cause pollution and harm water quality.

**2. Public Involvement and Participation Program** – This program provides the NCGTP tenants, employees and general public the opportunity to participate in various programs within the SWMP.

**3. Illicit Discharge Detection and Elimination (IDDE) Program** – This program is designed to protect water quality by detecting and eliminating pollution sources from illicit connections such as improper sewage or wastewater connections; illegal discharges such as chemical, paint, or oil dumping; and spills such as sewer overflows or vehicle accidents involving discharges of fuel, oil, and other chemicals. The Illicit Discharge and Connection Ordinance, adopted by the NCGTP Board of Directors in 2013, provides the legal authority to prohibit the discharge of pollutants to the storm drainage system and streams and enforce the approved IDDE Program. The NCGTP relies on reports from the public, various monitoring programs, and a wide range of other activities to assist in identifying and eliminating these sources of pollution.

**4. Construction Site Stormwater Runoff Control Program** –The NCGTP will rely upon the NC Department of Environment and Natural Resources (NCDENR) - Division of Energy, Mineral and Land Resources (NCDEMLR) Erosion and Sediment Control Program and the NCDENR – Division of Water Quality (NCDWQ) NPDES Stormwater General Permit NCG01000 for construction-related activities to meet this requirement. The Environmental Compliance Officer in concert with staff of the NCDENR - NCDEMLR Washington Regional Office will monitor compliance with approved sediment and erosion control plans.

**5. Post-Construction Stormwater Management Program** – The NCGTP relies on the Neuse River Basin – Nutrient Sensitive Waters Management Strategy: Basinwide Stormwater Requirements (15A NCAC 02B .0235) to control the discharge of pollutants in stormwater runoff from new development and redevelopment projects. The NCGTP Stormwater Control and Watercourse Buffer Ordinance, adopted in 2010 and revised in 2011 and 2013, provides the legal authority for NCGTP to enforce these requirements. The program will involve review and approval of site development plans, as well as site inspections, to ensure that treatment practices are properly operated and maintained.

**6. Pollution Prevention/Good Housekeeping Program** – This program focuses on ensuring that NCGTP owned and operated facilities are properly operated and maintained to reduce stormwater pollutant discharges. This SWMP, as well as the Operations and Maintenance Program, Spill Prevention and Response Plan and other guidance documents have been prepared for applicable facilities that conduct activities with the potential for stormwater pollutant discharges. The NCGTP will conduct annual inspections and training sessions at these facilities to ensure that requirements are being met.

## Section 2: Background Information

### 2.1 Setting and Character

The NCGTP NPDES Permit Area (Permit Area) is located in Lenoir County just south of the border between Lenoir and Greene Counties and approximately five miles north of Kinston and encompasses approximately 2,533 acres (Appendix B, Figures B-1 and B-2). The Permit Area is within the Southeastern Ecoregion of the Coastal Plain and is relatively flat with elevations in the 65 - 90 foot range.

The Neuse River Basin (NCDWQ Subbasin 03-04-05 and USGS Hydrologic Unit 03020202) serves as the ultimate receiving waters for stormwater from the Permit Area. Stormwater drainage occurs within two primary watersheds and their tributaries, Stonyton Creek and Briery Run, both classified as Class C (Aquatic Life, Secondary Recreation), Swamp Waters (SW) and Nutrient Sensitive Waters (NSW) (C-SW-NSW) (Table 2.1). The Neuse River is rated as supporting its designated uses upstream and downstream of the confluence with Stonyton Creek (NCDWQ 2010 Integrated Report).

**Table 2.1: Receiving Waters**

Receiving Stream Name	Stream Segment	Water Quality Classification	Use Support Rating	Water Quality Issues
Briery Run	27-81-1	C SW NSW	No Data	NSW
Stonyton Creek	27-81	C SW NSW	No Data	NSW
Neuse River	27-(75.7)b	C NSW	Supporting	NSW

Stonyton Creek is the primary receptor of runoff associated with the development of the NCGTP. The stream originates approximately 3,000 feet west of the existing airport facility and flows east for approximately 6.6 miles to its confluence with the Neuse River. The drainage area of Stonyton Creek encompasses approximately 5,998 acres and includes 76 percent of the total Permit Area. Briery Run receives stormwater runoff from the southwestern portion of the Permit Area and flows east approximately 5 miles to its confluence with Stonyton Creek. The drainage area of Briery Run includes approximately 3,983 acres and includes 24 percent of the total NCGTP NPDES permit area (Appendix B, Figure B-3).

### 2.2 Population Served

A census population served is not applicable since there are no residential areas within the Permit Area. There are approximately 460 employees of the thirteen current tenants of the NCGTP. The tenants include five government agencies and eight private firms. NCGTP tenants include Crate Tech, DB Schenker, Delta Private Jets, Henley Aviation, Lenoir County Community College, Longistics, MJE Telestructure, Mountain Air Cargo, NC Emergency Management – Eastern Branch, NC Forest Service, NC Highway Patrol, NC's Eastern Region, and Spirit Aerosystems.

### **2.3 Jurisdictional and Storm Drainage System Service Areas**

The NCGTP NPDES Permit Area is defined by the property currently owned by the NCGTP and includes approximately 2,533-acres (3.9 square miles) as shown in Figure 2.

### **2.4 Storm Drainage System**

With the exception of the Air Cargo Complex, the general transport of stormwater runoff from the Permit Area is directly from sheet flow to a series of vegetated drainage ditches leading to Stonyton Creek and Briery Run (Appendix B, Figure B-4). These ditches are maintained through periodic inspection and removal of debris and/or sediment blocking the path of the water. Stormwater runoff from the Air Cargo Complex is collected by a series of stormwater grates and conveyed via culverts and pipes into vegetated drainage ditches leading to Stonyton Creek and Briery Run.

### **2.5 Land Use Composition Estimates.**

Land use within the 2,533-acre Permit Area can be broken into roughly three types:

- industrial/infrastructural (impervious);
- managed open space; and
- undisturbed open space.

There is no residential land use within the permit area. Approximately 1,182 acres are managed open space comprising 47 percent of the overall land use. Forested land covers approximately 1,094 acres, or 43 percent. About 10 percent of land use is infrastructure and industry covering nearly 254 acres.

### **2.6 Estimate Methodology**

Land use estimates were determined using property boundaries and current land use within the 2,533-acre NPDES Permit Area. Land use was derived from aerial photographs and land use/land cover data.

### Section 3: Public Education and Outreach on Storm Water Impacts

As of July 1, 2012, the NCGTP is located within the NCDOT and is subject to the direction and supervision of the Secretary of the NCDOT. In the interest of increasing the efficiency of the NCDOT, it has been determined that components of the NCDOT External Education and Involvement Five-Year Plan can be used to meet the NCGTP Public Education and Outreach BMP. The Plan is the foundation of the NCGTP Public Education and Outreach Program and satisfies the permit requirements related to education and outreach to the general public. The NCGTP is focusing its efforts on distributing educational materials to NCGTP tenants on the impacts of stormwater discharges on water bodies and how to reduce these impacts and protect water quality conditions. Information will be distributed via stormwater articles in the Global TransPark Connections newsletter, the stormwater page on the NCGTP website and through the annual stormwater inspection. Revisions to the Public Education and Outreach measurable goals are included below and in Appendix C, and a Memorandum of Agreement between the NCGTP and NCDOT regarding the responsibilities of each party is included as Appendix D.

The BMPs that comprise the Public Education and Outreach Program are listed in Table 3.1 and described below. The Implementation Schedule and Responsible Position are listed in Table 3.2. Funding for the BMPs in this section is provided through the NCGTP annual budget.

**Table 3.1 BMP Summary Table**

<b>BMP</b>	<b>Measureable Goals</b>
a. Public Education and Outreach Program	Utilize the NCDOT External Education and Involvement Plan (Plan) as the foundation for this BMP. As noted below, additional actions will be implemented by NCGTP to complement the Plan.
b. Global TransPark Connections -Newsletter articles	Develop format for storm water articles to be included in the Global TransPark <i>Connections</i> newsletter.
	Publish storm water articles in the Global TransPark <i>Connections</i> newsletter.
c. Informational Website	Develop and maintain stormwater page on NCGTP web site including information on ways to contact NCGTP stormwater pollution prevention team (SPPT) staff.
	Provide link to NCDOT stormwater page on NCGTP website. Post links to stormwater articles in Global TransPark <i>Connections</i> newsletter.
d. Public education materials	Utilize existing NCDOT efforts to distribute public education materials.
	Provide stormwater information to NCGTP tenants and employees through the annual stormwater inspection.

### 3.1 BMP Descriptions

**a. Public Education and Outreach Program:** Utilize the NCDOT External Education and Involvement Plan (Plan) as the foundation for this BMP. The Plan provides pollution prevention awareness information to the general public through the distribution of educational materials. As part of this plan, the NCDOT maintains a public education website to document pollution prevention programs and provide educational material. As noted below, additional actions will be implemented by NCGTP to complement the Plan.

**b. Global TransPark Connections -Newsletter articles:** Stormwater articles that address target pollutants and potential sources will be published periodically. The newsletter is distributed to NCGTP tenants, posted as a link on the NCGTP website and is available for distribution at various events.

**c. Informational Website:** A stormwater informational page will be developed and added to the existing NCGTP website once website updates are completed:  
<http://www.ncgtp.com/index.html>. This page will include information (via a link to the NCDOT stormwater webpage) on stormwater pollutants and ways to minimize them, photos of stormwater structural BMPs at the NCGTP and contacts for reporting stormwater pollution problems and concerns.

**d. Public Education Materials:** The NCGTP will utilize existing NCDOT efforts to distribute public education materials on general stormwater awareness. In addition, the NCGTP will provide stormwater information to NCGTP tenants through the annual stormwater inspection.

### 3.2 Target Audience

The target audiences for the public education program include NCGTP tenants and employees and the general public. As described above, the NCGTP will focus its efforts on its tenants and employees, whereas the NCDOT will fulfill the public education and outreach component through its existing efforts. The audiences selected are listed below along with an explanation as to why they are being targeted for educational outreach.

**a. NCGTP Tenants and Employees:** NCGTP tenants and employees are the group with the greatest potential to positively or negatively impact stormwater quality within the Permit Area. Providing this audience with useful and timely information will promote protection of water quality.

**b. General Public:** The general public has been selected as a target for the educational program due to the significant negative impacts they can have on water quality conditions including dumping oil and other wastes into storm drains, improper disposal of household hazardous wastes, improper disposal of yard wastes along creek banks and improper application of pesticides and herbicides on lawns. The general public has also been targeted due to the significant positive impacts they can have on water quality including reporting pollution problems observed in streams and lakes. At this time, there is little opportunity to

engage the general public at the NCGTP; however, opportunities may arise in the future. Until then, the NCGTP will focus its stormwater education efforts on its tenants and employees and the general public will be reached through the NCDOT’s existing efforts.

**Table 3.2 Implementation Schedule and Responsible Position**

BMP	Implementation Schedule					Responsible Position
	Year 1	Year 2	Year 3	Year 4	Year 5	
a. Public Education and Outreach Program	✓	✓	✓	✓	✓	Marketing and Communications Manager & Environmental Compliance Officer
b. Global TransPark Connections -Newsletter articles		✓	✓	✓	✓	Marketing and Communications Manager & Environmental Compliance Officer
c. Informational Website		✓	✓	✓	✓	Marketing & Communications Manager & Environmental Compliance Officer
d. Public education materials		✓	✓	✓	✓	Marketing and Communications Manager & Environmental Compliance Officer

**3.3 Evaluation**

The measurable goals for each BMP are described in Table 3.1. Successful implementation of each BMP will be achieved by completing the measureable goals in accordance with the Implementation Schedule shown in Table 3.2.

## Section 4: Public Involvement and Participation

As noted in Section 3, the NCGTP is now located within the NCDOT and is subject to the direction and supervision of the Secretary of the NCDOT. It has been determined that components of the NCDOT External Education and Involvement Five-Year Plan can be used to meet the NCGTP Public Involvement and Participation BMP. The Plan is the foundation of the Public Involvement and Participation Program and satisfies the permit requirement to provide opportunities for public involvement and participation. Like the Public Education and Outreach BMP, the NCGTP relies on the NCDOT to provide opportunities for general public involvement and participation through its existing efforts. Meanwhile, NCGTP is focusing its efforts on its tenants and employees. Revisions to the Public Involvement and Participation measurable goals are included in Appendix C and a Memorandum of Agreement between the NCGTP and NCDOT regarding the responsibilities of each party is included as Appendix D.

The BMPs that comprise the Public Involvement and Participation Program are listed in Table 4.1 and described below. The Implementation Schedule and Responsible Position are listed in Table 4.2. Funding for the BMPs in this section is provided through the NCGTP annual budget.

**Table 4.1 BMP Summary Table**

BMP	Measureable Goals
a. Administer a Public Involvement Program	Utilize the NCDOT External Education and Involvement Plan (Plan) as the foundation for this BMP.
b. Provide the public an opportunity to review and comment on the Stormwater Plan	Solicit comments on the SWMP by posting it on the NCGTP website and distributing a written notification to NCGTP tenants.
c. Organize a volunteer community involvement program	Utilize NCDOT's existing public involvement programs (e.g., Adopt-a-Highway) to transmit information and solicit participation. Distribute NCDOT illicit discharge training materials to tenants.

### 4.1 BMP Descriptions

**a. Administer a Public Involvement Program:** Utilize the NCDOT External Education and Involvement Plan (Plan) as the foundation for this BMP. As noted below, additional actions will be implemented by NCGTP to complement the Plan.

**b. Provide the public an opportunity to review and comment on the Stormwater Plan:** Solicit comments on the SWMP by posting it on the NCGTP website and distributing a written notification to NCGTP tenants.

**c. Organize a volunteer community involvement program:** Utilize NCDOT's existing public involvement programs (e.g., Adopt-a-Highway) to transmit information and solicit participation. Distribute NCDOT illicit discharge training materials to tenants.

**Table 4.2 Implementation Schedule and Responsible Position**

BMP	Implementation Schedule					Responsible Position
	Year 1	Year 2	Year 3	Year 4	Year 5	
a. Administer a Public Involvement Program	✓	✓	✓	✓	✓	Marketing and Communications Manager & Environmental Compliance Officer
b. Allow the public an opportunity to review and comment on the SWMP		✓				Marketing and Communications Manager & Environmental Compliance Officer
c. Organize a volunteer community involvement program			✓	✓	✓	Marketing and Communications Manager & Environmental Compliance Officer

**4.2 Target Audience**

The target audience for the Public Involvement and Participation Program includes NCGTP tenants and employees and the general public (see Section 3.2). The NCGTP will focus its efforts on its tenants and employees and rely on the NCDOT’s existing efforts to involve the general public.

**4.3 Evaluation**

The measurable goals for each BMP are described in Table 4.1. Successful implementation of each BMP will be achieved by completing the measureable goals in accordance with the Implementation Schedule shown in Table 4.2.

## Section 5: Illicit Discharge Detection and Elimination

The NCGTP is developing and implementing an IDDE Program designed to detect and eliminate illicit discharges to the NCGTP storm drainage system. Through this program, the NCGTP will be able to address significant contributors of pollutants to the storm drainage system, implement appropriate enforcement procedures and actions, and inform employees, businesses, and the general public of hazards associated with illegal discharges and improper disposal of waste. An important element of this program is a map showing the NCGTP major storm drainage system outfalls to state waters receiving discharges. The BMPs that comprise the Illicit Discharge Detection and Elimination Program are listed in Table 5.1 and described below. The Implementation Schedule and Responsible Position are listed in Table 5.2. Funding for the BMPs in this section is provided through the NCGTP annual budget.

**Table 5.1 BMP Summary Table**

BMP	Measureable Goals
a. Develop/Implement Illicit Discharge Detection and Elimination (IDDE) Program	Develop and implement an Illicit Discharge Detection and Elimination (IDDE) Program as outlined in (b) through (g) below.
b. Establish and maintain appropriate legal authorities	Establish, and maintain adequate ordinances or other legal authorities to prohibit illicit discharges and enforce the approved IDDE Program.
c. Develop a storm drainage system base map	Complete identification, location of and mapping of stormwater drainage system components. At a minimum, mapping components include outfalls, drainage areas and receiving streams. Establish procedures to continue to identify, locate, and update map of drainage system.
d. Implement illicit discharge detection procedures	Implement an inspection program to detect dry weather flows at system outfalls. Establish procedures for tracing the sources of illicit discharges and for removing the sources. Develop procedures for identifying priority areas likely to have illicit discharges. Continue to identify, locate and update map of drainage system components of a priority basis per approved IDDE Program.
e. Employee training	Conduct training for appropriate NCGTP staff on detecting and reporting illicit discharges.
f. Provide public education	Utilize existing NCDOT efforts to distribute public education materials. Provide stormwater information to NCGTP tenants through the annual stormwater inspection and trainings.
g. Establish a public reporting mechanism	Establish and publicize a reporting mechanism for the public to report illicit discharges.

### 5.1 BMP Descriptions

#### **a. Develop and Implement an Illicit Discharge Detection and Elimination (IDDE) Program:**

Development and implementation of the Illicit Discharge Detection and Elimination Program is generally based on the recommendations and guidance outlined in “Illicit Discharge Detection and Elimination: A Guidance Manual for Program Development

and Technical Assessments” (Center for Watershed Protection, 2004) and the NCDOT’s Illicit Discharge Detection and Elimination Program (IDDEP). Components (b) through (g) below comprise the IDDE Program for the NCGTP.

**b. Establish and maintain appropriate legal authorities:** An Illicit Discharge and Connection Ordinance was approved by the Executive Committee of the NCGTP Board of Directors in January 2013 and incorporated into the NCGTP Exclusive Development Ordinance. This ordinance:

- Defines what constitutes an illicit discharge and an illicit connection;
- Establishes provisions for access, inspection and monitoring;
- Requires the use of BMPs to prevent, control and reduce stormwater pollutants;
- Requires removal of illicit discharges; and
- Establishes enforcement mechanisms.

**c. Develop a storm drainage system base map:** The NCGTP developed a storm drainage system base map showing the location of all outfalls and structural BMPs and the names and locations of all waters of the United States that receive discharges from those outfalls (Appendix B, Figure B-4). The base map will be updated as new outfalls are identified and/or constructed.

**d. Implement illicit discharge detection procedures:** The NCGTP will develop and implement an inspection program to detect dry weather flows at stormwater outfalls. Procedures will be established for tracing the sources of illicit discharges and for removing the sources. Procedures will be developed to identify priority areas likely to have illicit discharges. A survey during dry weather of 20% of the storm drainage system outfalls per year will be conducted to identify non-storm water flows.

**e. Employee training:** Employee training on detection and reporting illicit discharges will be provided to relevant field staff on an annual or biennial basis, depending on the needs of the NCGTP staff.

**f. Provide public education:** The NCGTP will utilize existing NCDOT efforts to distribute public education materials and will provide stormwater information to its employees and tenants through the annual stormwater inspection and trainings.

**g. Establish a public reporting mechanism:** A recorded telephone message (an extension of the main NCGTP phone number) will be created with information on how to report illicit discharges and other stormwater issues. This information will also be included on the NCGTP stormwater webpage. The webpage will also include a link to the NCDOT illicit discharge detection brochure that describes the information needed for filing an illicit discharge report. NCGTP tenants and employees will be trained to direct reports of illicit discharges to the proper NCGTP personnel (see Section 8.1).

**Table 5.2 Implementation Schedule and Responsible Position**

BMP	Implementation Schedule					Responsible Position
	Year 1	Year 2	Year 3	Year 4	Year 5	
a. Develop/Implement Illicit Discharge Detection and Elimination (IDDE) Program	✓	✓	✓	✓	✓	Environmental Compliance Officer
b. Establish and maintain appropriate legal authorities		✓	✓	✓	✓	NCGTP Board of Directors
c. Develop a storm drainage system base map		✓	✓	✓	✓	Environmental Compliance Officer
d. Implement illicit discharge detection procedures			✓	✓	✓	Environmental Compliance Officer
e. Employee training			✓	✓	✓	Environmental Compliance Officer
f. Provide public education			✓	✓	✓	Environmental Compliance Officer
g. Establish a public reporting mechanism			✓	✓	✓	Environmental Compliance Officer

## 5.2 Evaluation

The measurable goals for each BMP are described in Table 5.1. The Illicit Discharge Detection and Elimination Program shall be evaluated at the end of each fiscal year. Successful implementation of each BMP will be achieved by completing the measureable goals in accordance with the Implementation Schedule shown in Table 5.2.

## Section 6: Construction Site Stormwater Runoff Control

The NCGTP relies on the North Carolina Department of Environment and Natural Resources, Division of Energy, Mineral and Land Resources (NCDEMLR) to implement this BMP. The NCDEMLR Erosion and Sediment Control Program effectively meets the requirements of the Construction Site Runoff Control BMP by permitting and controlling development activities disturbing one or more acres of land surface and those activities less than one acre that are part of a larger common plan of development. This program is authorized under the Sediment Pollution Control Act of 1973 and Chapter 4 of Title 15A of the North Carolina Administrative Code. This program includes procedures for public input, sanctions to ensure compliance, requirements for construction site operators to implement appropriate erosion and sediment control practices, review of site plans which incorporates consideration of potential water quality impacts, and procedures for site inspection and enforcement of control measures. NCDENR Division of Water Quality NPDES general permit for construction activities (NCG010000) effectively meets the above requirements. The general permit for construction activities establishes requirements for construction site operators to control waste such as discarded building materials, concrete truck washout, chemicals, litter, and sanitary waste at the construction site that may cause adverse impacts to water quality.

A link to the NCDEMLR “Stop Mud” Hotline will be provided on the stormwater page of the NCGTP web site. The Environmental Compliance Officer, in concert with the NCDEMLR regional office, will monitor compliance with approved sediment and erosion control plans.

The BMPs that are used to comply with the Construction Site Stormwater Runoff Control requirement are listed in Table 6.1 and described below. The Implementation Schedule and Responsible Position are listed in Table 6.2. Funding for the BMPs in this section is provided through the NCGTP annual budget.

**Table 6.1 BMP Summary Table**

BMP	Measureable Goals
a. Implement a program and establish a regulatory mechanism for erosion and sediment control	The NCGTP will rely on the NCDENR Division of Energy, Mineral and Land Resources (NCDEMLR) Erosion and Sediment Control Program as administered by the DEMLR.
b. Establish public information procedures	A link to the NCDEMLR “Stop Mud” Hotline will be provided on the stormwater page of the NCGTP web site.
c. Establish inspection and enforcement procedures	The Environmental Compliance Officer in concert with the NCDEMLR regional office will monitor compliance with approved sediment and erosion control plans.

**6.1 BMP Descriptions**

**a. Implement a program and establish a regulatory mechanism for erosion and sediment control:** The NCGTP relies on the NCDENR Division of Energy, Mineral and Land Resources’ Erosion and Sediment Control Program as administered by the NCDEMLR. As stipulated in Appendix C of the NCGTP Exclusive Development Ordinance, a completed Erosion and Sedimentation Control Plan must be submitted to the NCGTP Development Review Committee as a component of the Site Plan Review/Approval process. Approval of the plan must be obtained from NCDEMLR prior to disturbance of greater than one acre of land surface.

**b. Establish public information procedures:** A link to the NCDEMLR “Stop Mud” Hotline will be provided on the stormwater page of the NCGTP web site.

**c. Establish inspection and enforcement procedures:** The Environmental Compliance Officer, in concert with the NCDEMLR regional office, monitors compliance with approved sediment and erosion control plans.

**Table 6.2 Implementation Schedule and Responsible Position**

BMP	Implementation Schedule					Responsible Position
	Year 1	Year 2	Year 3	Year 4	Year 5	
a. Implement a program and establish a regulatory mechanism for erosion and sediment control	✓	✓	✓	✓	✓	NCDENR-NCDEMLR
b. Establish public information procedures		✓	✓	✓	✓	Marketing and Communications Manager & Environmental Compliance Officer
c. Establish inspection and enforcement procedures		✓	✓	✓	✓	NCDENR-NCDEMLR & Environmental Compliance Officer

**6.2 Evaluation**

The measurable goals for each BMP are described in Table 6.1. The Construction Site Runoff Control Program shall be evaluated at the end of each fiscal year. Successful

implementation of each BMP will be achieved by completing the measureable goals in accordance with the Implementation Schedule shown in Table 6.2.

## Section 7: Post-Construction Stormwater Management Program

The objectives of this program are to 1) manage stormwater runoff from development that drains to the NCGTP storm drainage system and disturbs greater than one or more acres of land surface and those activities less than one acre that are part of a larger common plan of development, 2) provide a mechanism requiring long-term operation and maintenance of BMPs, and 3) ensure controls are in place to minimize water quality impacts. These objectives are achieved through the application of a variety of BMPs and Post-Construction Stormwater Management Program measures detailed below. The program will involve review and approval of site development plans, as well as site inspections, to ensure that treatment practices are properly operated and maintained.

The BMPs that will be used to comply with the Post-Construction Stormwater Management Program requirement are listed in Table 7.1 and described below. The Implementation Schedule and Responsible Position are listed in Table 7.2. Funding for the BMPs in this section is provided through the NCGTP annual budget.

**Table 7.1 BMP Summary Table**

BMP	Measureable Goals
a. Establish a Post-Construction Stormwater Management Program	Develop, adopt by ordinance, implement, and enforce a program to address stormwater runoff from new development and redevelopment. Ensure that controls are in place to prevent or minimize water quality impacts.
b. Establish strategies that include BMPs appropriate for the storm drainage system	Develop and implement strategies that include a combination of structural and/or non-structural BMPs. Ensure adequate long-term operation and maintenance of structural BMPs.
c. Establish inspection and enforcement procedures	Require annual inspection reports of permitted structural BMPs performed by a qualified professional.

### 7.1 BMP Descriptions

**a. Establish a Post-Construction Stormwater Management Program:** The NCGTP implements the Neuse River Basin Nutrient (NSW) Sensitive Management Strategy [15A NCAC 2B .0232] throughout the NCGTP permit area. The Executive Committee of the NCGTP adopted the Stormwater Control and Watercourse Buffer Ordinance (Ordinance) on August 6, 2010 and March 23, 2011; it was revised and approved in January 2013. The Ordinance requires that all new development and redevelopment comply with the Neuse River Basin – Nutrient Sensitive Waters Management Strategy: Basinwide Stormwater Requirements (15A NCAC 02B .0235) to control the discharge of pollutants in stormwater runoff.

**b. Establish strategies that include BMPs appropriate for the NCGTP:** As required by the Ordinance, all structural BMPs shall be designed and maintained in accordance with the North Carolina Division of Water Quality *Stormwater Best Practices Manual*, July 2007.

**c. Establish inspection and enforcement procedures:** The Environmental Compliance Officer, in concert with NCGTP tenants, will conduct an annual inspection of all structural BMPs. The Environmental Compliance Officer will be responsible for inspecting the structural BMPs that are owned and operated by the NCGTP, whereas NCGTP tenants will be responsible for inspecting the structural BMPs that they maintain and operate. NCGTP tenants that are responsible for the operation and maintenance of structural BMPs shall maintain records of all inspections and remedial actions taken to ensure proper operation of the BMP. Records of all inspections and remedial actions taken to ensure proper operation of structural BMPs operated by the NCGTP will be maintained at the NCGTP.

**Table 7.2 Implementation Schedule and Responsible Position**

BMP	Implementation Schedule					Responsible Position
	Year 1	Year 2	Year 3	Year 4	Year 5	
a. Establish a Post-Construction Stormwater Management Program		✓	✓	✓	✓	NCGTP Executive Director & Environmental Compliance Officer
b. Establish strategies that include BMPs appropriate for the storm drainage system		✓	✓	✓	✓	Environmental Compliance Officer
c. Establish inspection and enforcement procedures		✓	✓	✓	✓	Environmental Compliance Officer

**7.2 Evaluation**

The measurable goals for each BMP are described in Table 7.1. The Post-Construction Stormwater Management Program shall be evaluated at the end of each fiscal year. Successful implementation of each BMP will be achieved by completing the measurable goals in accordance with the Implementation Schedule shown in Table 7.2.

## Section 8: Pollution Prevention and Good Housekeeping for NCGTP Operations

The objective of this program is to prevent or reduce stormwater pollution from NCGTP owned and operated facilities. This is achieved through the application of a variety of BMPs detailed below and managed through the Director of Airport Operations and the Environmental Compliance Officer. Training materials developed locally (i.e., NCDOT, NCDENR) and those available through the US Environmental Protection Agency (EPA) will be used to develop training programs, which will be targeted to operations with the highest potential for impacting stormwater quality.

The BMPs that will be used to comply with the Post-Construction Stormwater Management Program requirement are listed in Table 8.1 and described below. The Implementation Schedule and Responsible Position are listed in Table 8.2. Funding for the BMPs in this section is provided through the NCGTP annual budget.

**Table 8.1 BMP Summary Table**

BMP	Measureable Goals
a. Inspection and evaluation of facilities and operations	Develop an inventory of all facilities and operations within the Permit Area with the potential for generating polluted stormwater runoff. Specifically inspect the potential sources of polluted runoff, the stormwater controls, and conveyance systems. Evaluate the sources, document deficiencies, plan corrective actions and document the accomplishment of corrective actions.
b. Review of NCGTP industrial activities	Conduct annual review of the industrial activities owned and operated by the permittee. Specifically review the following aspects: the Stormwater Pollution Prevention Plan where one is required, the timeliness of any monitoring reports required and the results of inspections and subsequent follow-up actions.
c. Develop an operation and maintenance program	Develop an operation and maintenance program that has the ultimate goal of preventing or reducing pollutant runoff from NCGTP operations.
d. Conduct staff training	Conduct staff training specific for pollution prevention and good housekeeping procedures.
e. Deicing and Anti-Icing Industrial Control Plan	Develop a management plan to minimize possible glycol and urea discharges from airport areas. Prepare estimates of annual pollutant loadings discharged to storm sewer systems or surface waters.

## 8.1 BMP Descriptions

**a. Inspection and evaluation of facilities and operations:** Prior to inspecting and evaluating NCGTP and tenant facilities and operations, all areas where industrial materials or activities are exposed to stormwater must be identified. The Environmental Compliance Officer prepared and distributed an NCGTP Tenant Industrial Activity Questionnaire (Appendix H). Based on responses, an inventory of all facilities within the Permit Area with the potential for generating polluted stormwater runoff was prepared (Appendix I). Those facilities with the potential for generating polluted stormwater runoff were inspected and corrective actions were identified (Appendix J). Those facilities will be inspected annually.

**b. Review of NCGTP industrial activities:** All facilities owned and operated by the NCGTP were evaluated to determine whether they are subject to NPDES stormwater permit requirements. Annual reviews of facilities that are subject to NPDES stormwater permit requirements will be conducted and will include the following aspects:

- Stormwater Pollution Prevention Plan (if applicable),
- Timeliness of any monitoring reports required by the Phase I permit, and
- Results of inspections and subsequent follow-up actions at the facilities.

**c. Develop an operation and maintenance program:** The NCGTP has developed and is implementing an operation and maintenance (O&M) program that has the ultimate goal of reducing pollutant runoff from NCGTP operations. As part of annual inspections, information was gathered on field activities and potential impacts, current operation and maintenance procedures, and cooperative roles for updating good housekeeping programs and making improvements. Observations of field activities that potentially impact the storm drainage system were a key part of developing the O&M program. The O&M program provides guidance on inspections and good housekeeping activities, and identifies the Stormwater Pollution Prevention Team (SPPT) responsible for implementing these activities. In addition, a Spill Prevention and Response Plan (SPRP) will be developed for the NCGTP ARFF Building and ramp/runway.

**d. Conduct staff training:** Training materials developed locally and those available through the NCDOT and EPA have been compiled and will be used to develop a comprehensive training program for NCGTP staff and tenants will be notified. Training will be targeted to operations with the highest potential for impacting stormwater quality. Topics to be covered include: spill prevention and response, good housekeeping, and materials management. Initial training of NCGTP staff will be completed by March 1, 2014.

**e. Deicing and Anti-Icing Industrial Control Plan:** NCGTP will develop a management plan to minimize possible glycol and urea discharges from airport areas with these operations. The management plan:

- Includes Best Management Practices (BMPs), economically reasonable and appropriate in light of current industry practices, that are selected, designed, installed, implemented and maintained in accordance with good engineering practices to eliminate or reduce pollutants in stormwater discharges;

- Describes and ensures implementation of practices used to eliminate or reduce pollutants in stormwater discharges;
- Evaluates present operating procedures to consider alternative practices that would reduce the overall amount of deicing/ anti-icing chemical used and/or lessen the environmental impact of the pollutant source.
- Evaluates whether excessive application of deicing chemicals occurs and adjust as necessary, consistent with considerations of flight safety.
- Develops and implements a plan for the minimization of the release of materials used for de-icing into the stormwater system. This plan includes:
  - The current use and practices employed at the airport for the control and minimization of entry of the de-icing materials into the stormwater system; and
  - The means that may be practicable for modifying current use and practices to collect the runoff that occurs during and following the application of the de-icing materials.
  - Feasible alternatives to the use of urea and glycol-based deicing chemicals to reduce the aggregate amount of deicing chemicals used and/or lessen the environmental impact, consistent with considerations of flight safety
  - The usage rate of deicing/anti-icing chemicals at their facility. The total amount of deicing/anti-icing chemicals used at an airport facility is the cumulative amount used by the airport authority and each tenant of the airport facility. In determining the fluid amounts of deicing/anti-icing chemicals used at a facility, operators should use the pre-dilution volume.
  - Estimates of annual pollutant loadings discharged to storm sewer systems or surface waters resulting from discharges of spent deicing/anti-icing chemicals from the facility. The loading estimates shall reflect the amounts of deicing/anti-icing chemicals discharged to separate storm sewer systems or surface waters.

**Table 8.2 Implementation Schedule and Responsible Position**

BMP	Implementation Schedule					Responsible Position
	Year 1	Year 2	Year 3	Year 4	Year 5	
a. Develop an operation and maintenance program		✓	✓	✓	✓	NCGTP Director of Airport Operations & Environmental Compliance Officer
b. Inspection and evaluation of facilities and operations		✓	✓	✓	✓	Environmental Compliance Officer
c. Develop and conduct staff training		✓	✓	✓	✓	Environmental Compliance Officer
d. Review of municipality owned or operated regulated industrial activities		✓	✓	✓	✓	Environmental Compliance Officer
e. Deicing and Anti-Icing Industrial Control Plan		✓	✓	✓	✓	NCGTP Director of Airport Operations & Environmental Compliance Officer

## 8.2 Evaluation

The measurable goals for each BMP are described in Table 8.1. The Pollution Prevention and Good Housekeeping Program shall be evaluated at the end of each fiscal year. Successful implementation of each BMP will be achieved by completing the measureable goals in accordance with the Implementation Schedule shown in Table 8.2.

## Section 9: Program Assessment

Implementation of the SWMP will include documentation of all program components that are being undertaken including inspections, maintenance activities, educational programs, monitoring and sampling, implementation of BMPs, enforcement actions, and other stormwater activities.

Documentation of all program components will be kept on-file at the office of the Executive Director of the NCGTP for at least five years and made available to NCDENR - NCDWQ immediately upon request.

The SWMP will be reviewed and updated as necessary on an annual basis. The NCGTP will submit a report of the SWMP evaluation and monitoring information to NCDWQ by June 1 of each year and cover the previous year's activities from March 1 through February 28.

### 9.1 Annual Report

The annual report will include information to accurately describe the progress, status, and results of the SWMP and will include the following components:

1. A detailed description of the implementation status of the SWMP, including information on development and implementation of all components of the SWMP for the previous year and schedules and plans for the year following each report.
2. Adequately describe and justify any proposed changes to the SWMP including any descriptions and supporting information for how these changes would impact the SWMP.
3. Document any necessary changes to programs or practices for assessment of management measures implemented through the SWMP including any changes in the cost of, or funding for, the SWMP.
4. Provide a summary of data accumulated as part of the SWMP throughout the year.
5. Provide information on the annual expenditures and budget anticipated for the year following each report along with an assessment of the continued financial support for the overall SWMP.
6. Provide a summary of activities undertaken as part of the SWMP throughout the year, including any revisions or establishment of appropriate legal authorities, project assessments, inspections, enforcement actions, continued inventory and review of the storm drainage system, education, training, and results of the illicit discharge detection and elimination program.
7. Provide information concerning areas of water quality improvement or degradation. This may be submitted based on pilot studies, individual projects, or on a watershed or subwatershed basis.

## Section 10: Reporting and Record Keeping

### 10.1 Records

The NCGTP will retain records of all monitoring information, and copies of all reports required by this permit for at least 5 years from the date of the sample, measurement, report, or application.

### 10.2 Recording Results

The NCGTP will record the following information for each measurement, sample, inspection, or activity performed or taken pursuant to the SWMP:

- The date, location, description, and time of the sampling, measurements, inspection, or activity;
- The individual(s) who performed the sampling, measurements, inspection or activity;
- The date(s) analyses were performed (if performed);
- The individual(s) who performed the analyses (if performed);
- The analytical techniques or methods used (if performed); and
- The results of such analyses (if performed).

### 10.3 Annual Reporting

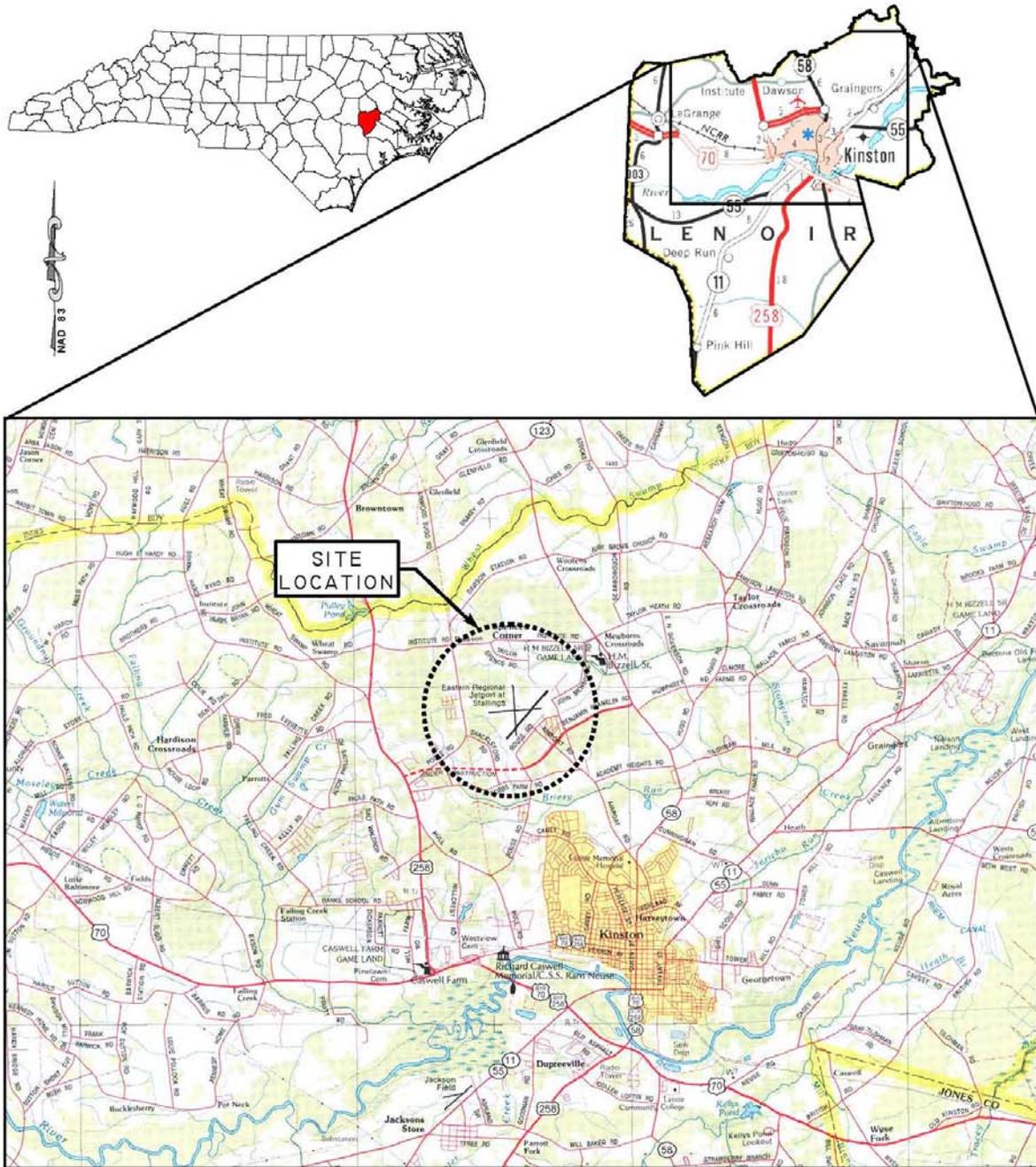
The NCGTP will submit reporting and monitoring information on an annual basis on forms provided by NCDENR - NCDWQ.

### 10.4 Twenty-Four Hour Reporting

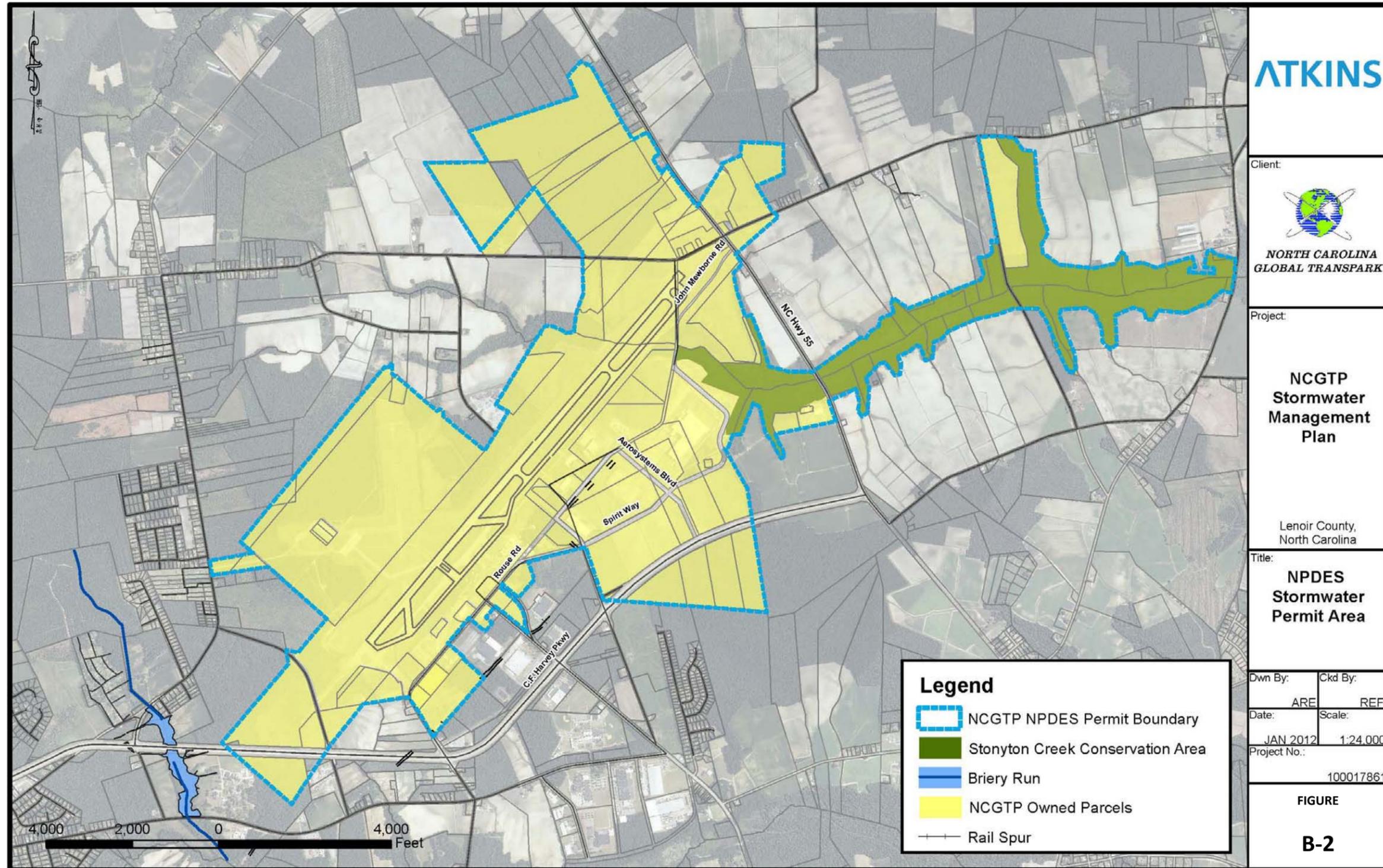
The NCGTP will report to NCDWQ any noncompliance that may constitute an imminent threat to health or the environment orally within the first 24 hours after the NCGTP has been made aware of the noncompliance. The NCGTP will also provide NCDWQ with a written submission within 5 days of the noncompliance.

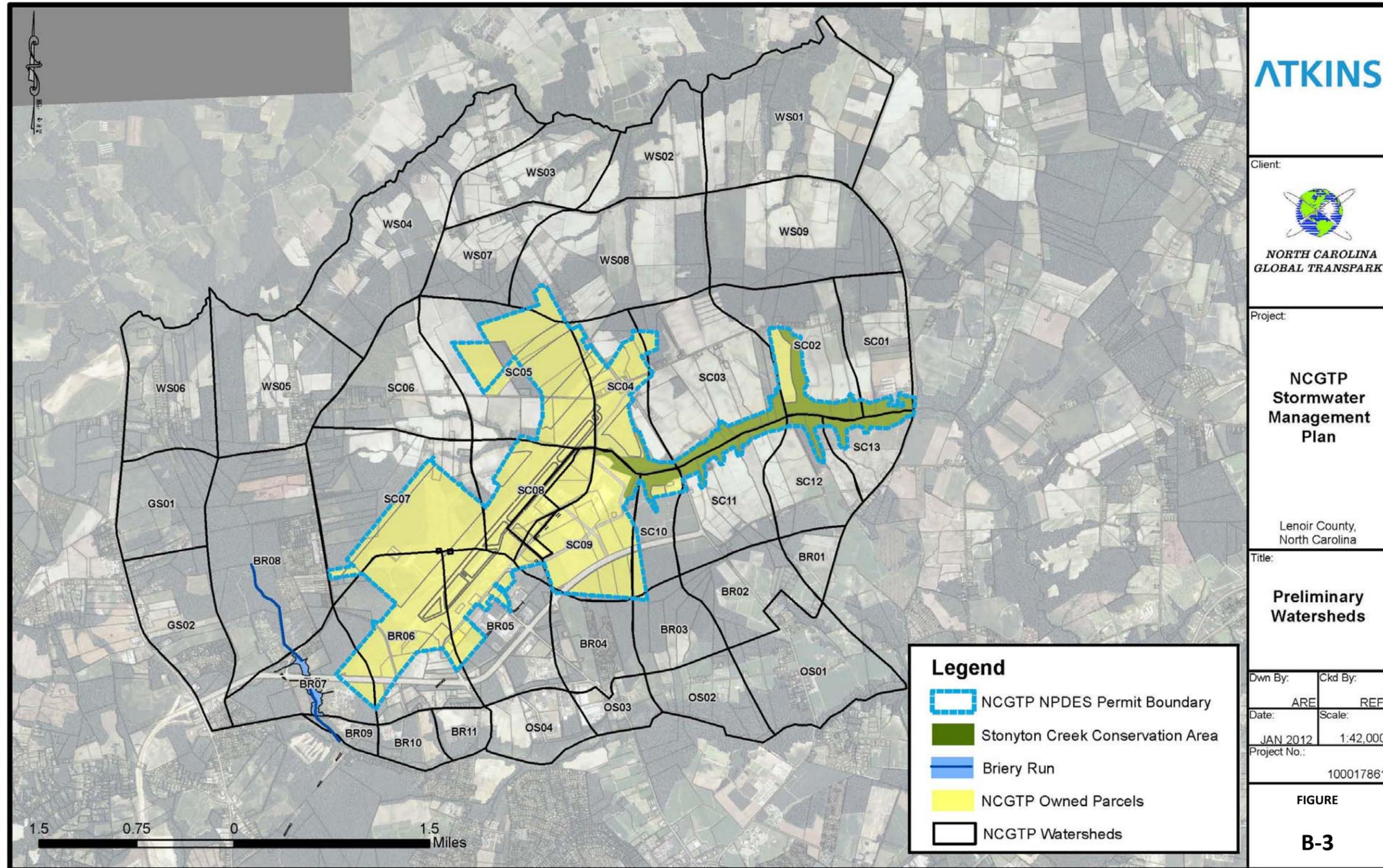
## **FIGURES**

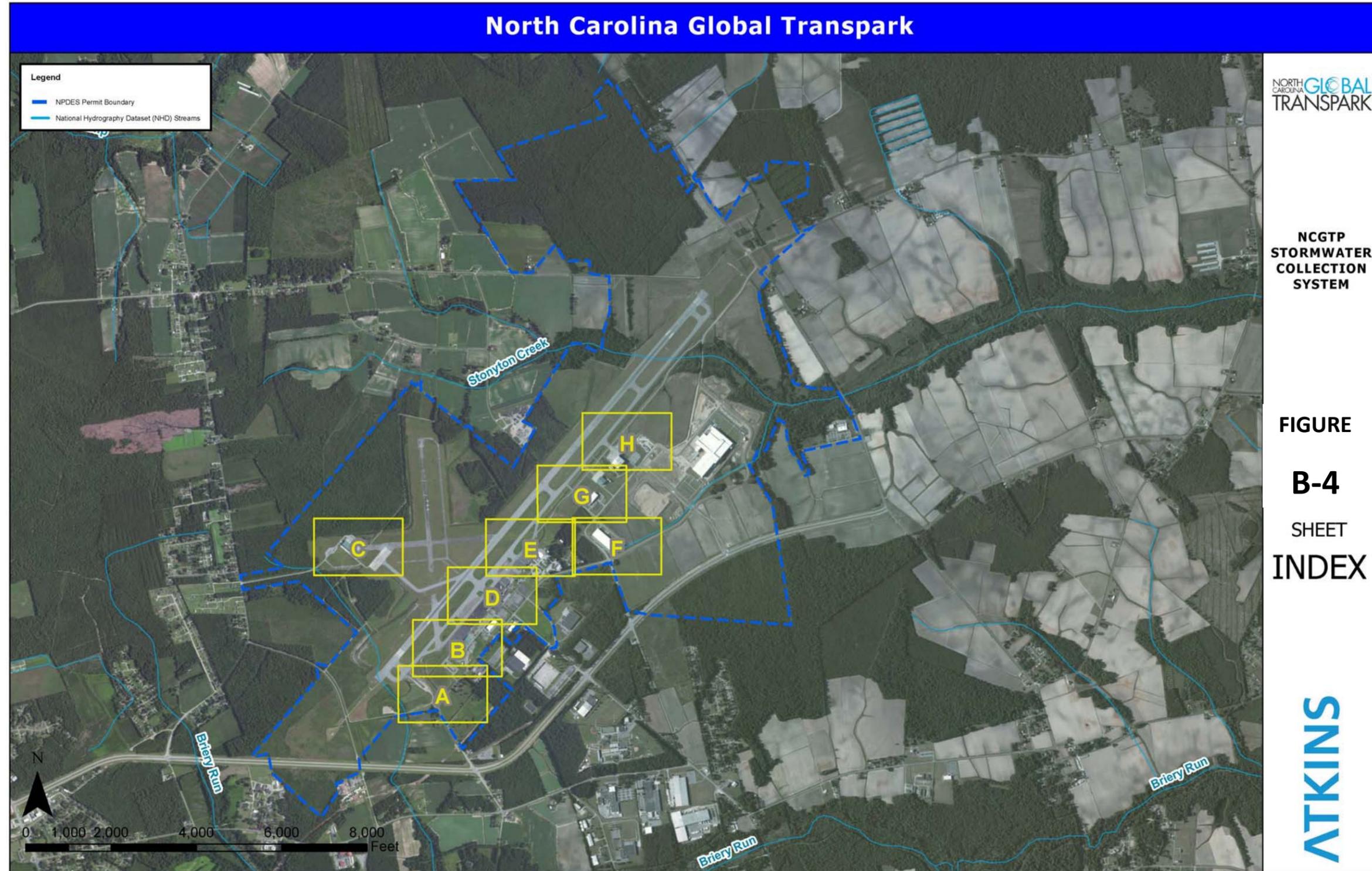
- B-1. NCGTP Site Location**
- B-2. NPDES Stormwater Permit Area**
- B-3. Preliminary Watersheds**
- B-4. NCGTP Stormwater Collection System Base Map**
- B-5. NCGTP Tenants**

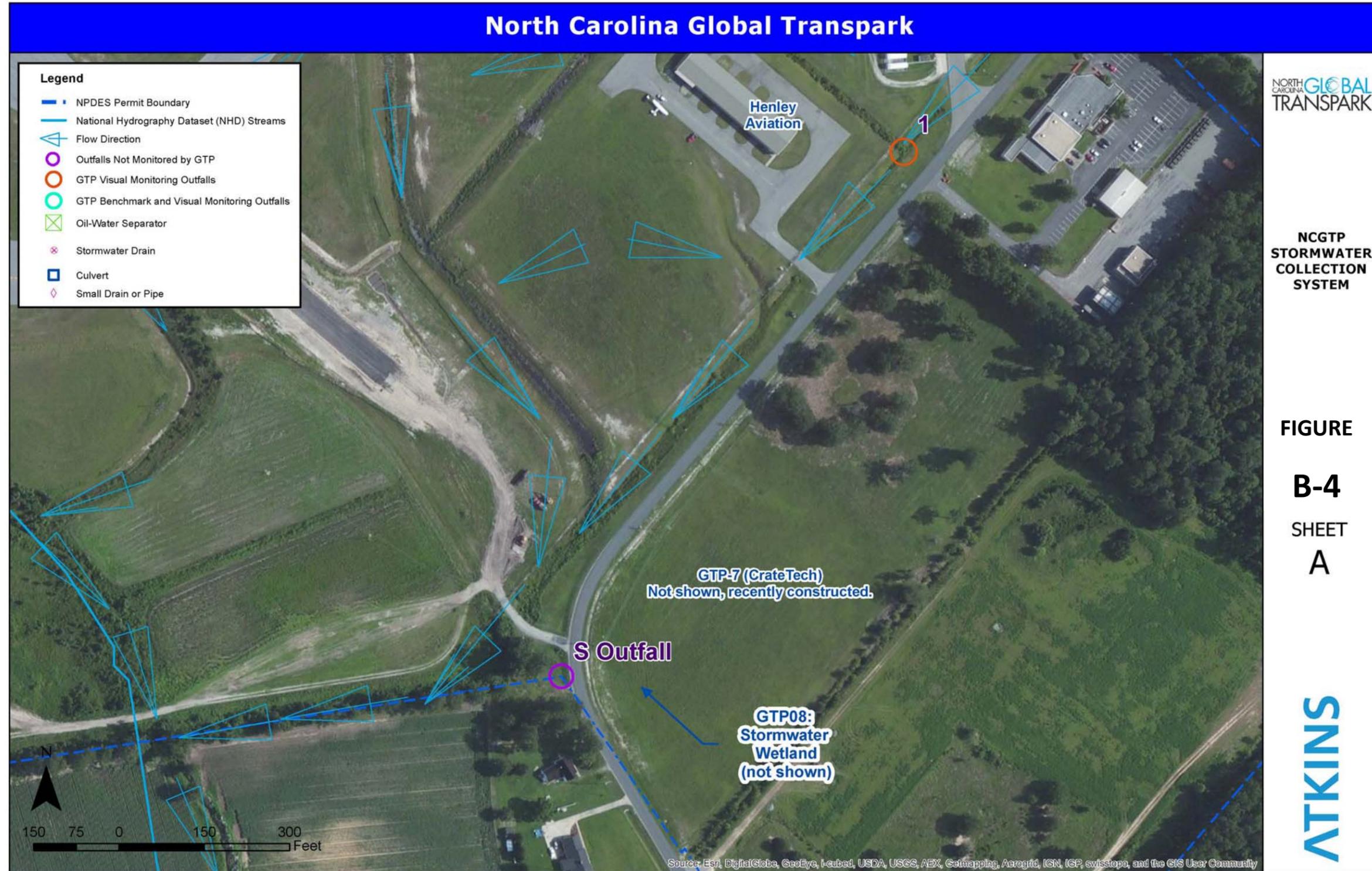


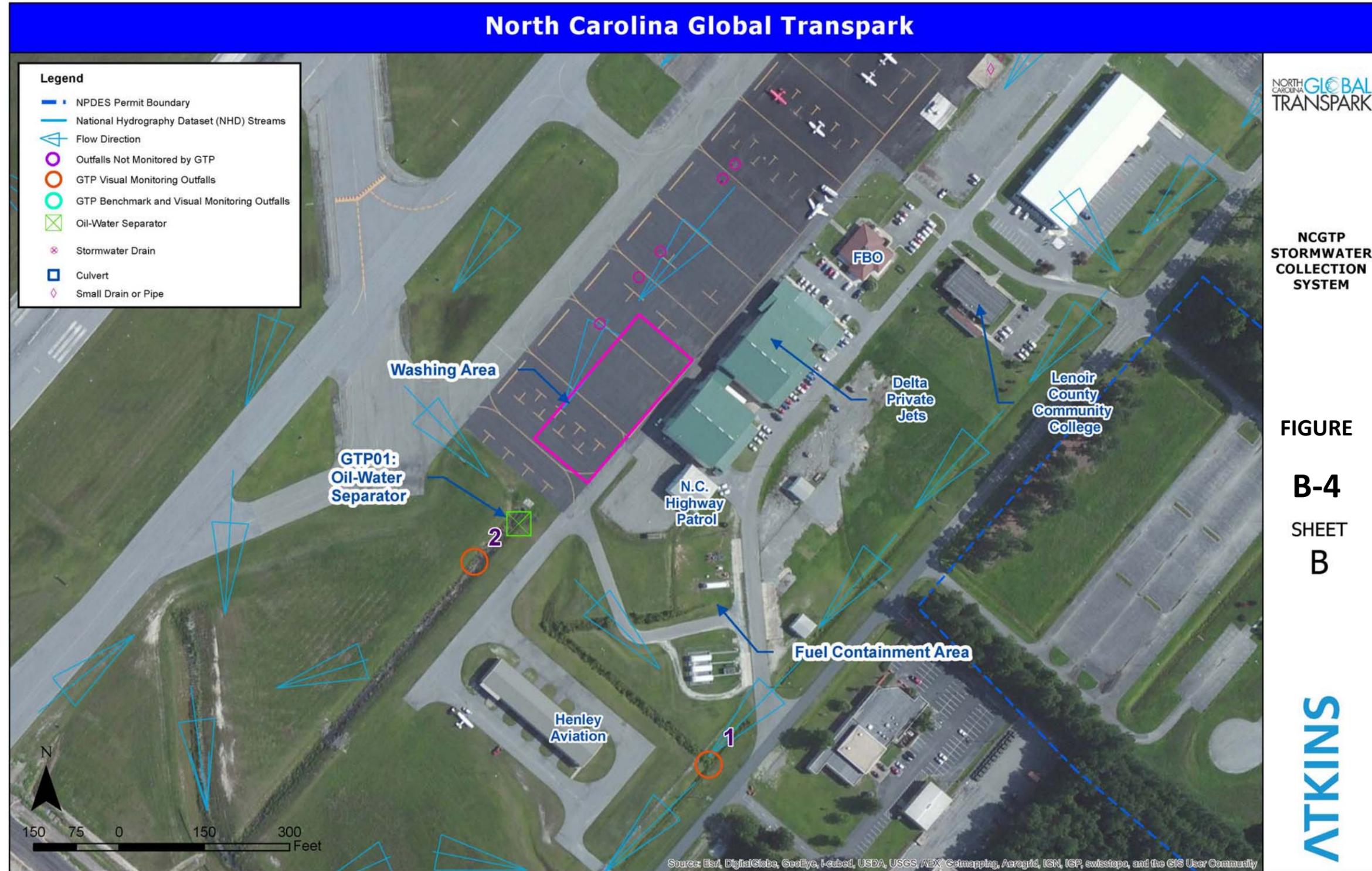
  <p>NORTH CAROLINA GLOBAL TRANSPARK</p>	<p><b>NCGTP SITE LOCATION</b></p>		<p>Own By: ARE</p>	<p>Ckd By: REF</p>	<p><b>FIGURE</b></p> <p><b>B-1</b></p>
	<p><b>NCGTP Stormwater Management Plan</b></p>		<p>Date: JAN 2012</p>	<p>Scale: 1:150,000</p>	
	<p><b>Lenoir County, North Carolina</b></p>		<p>Project No: 100017861</p>		

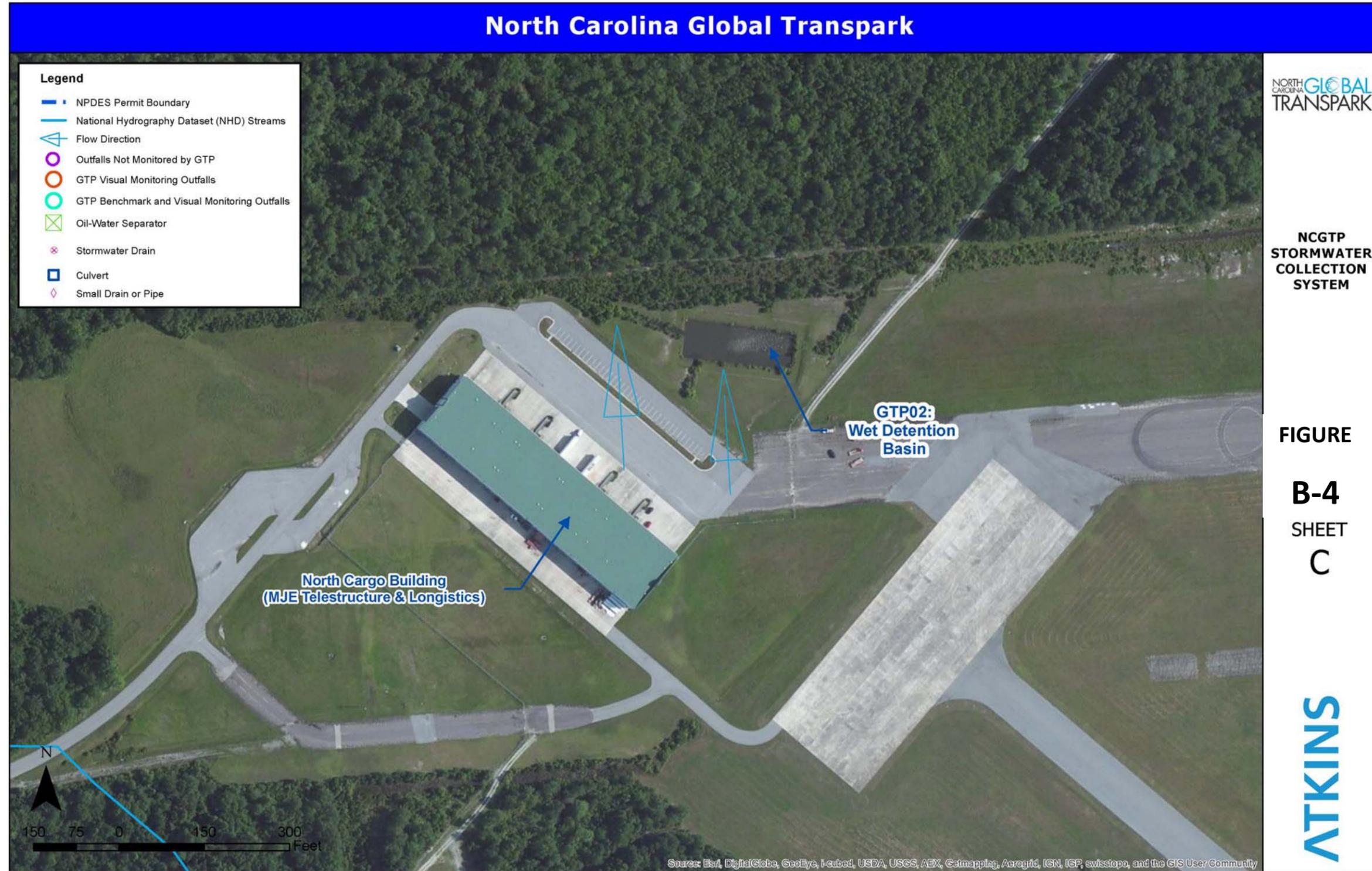


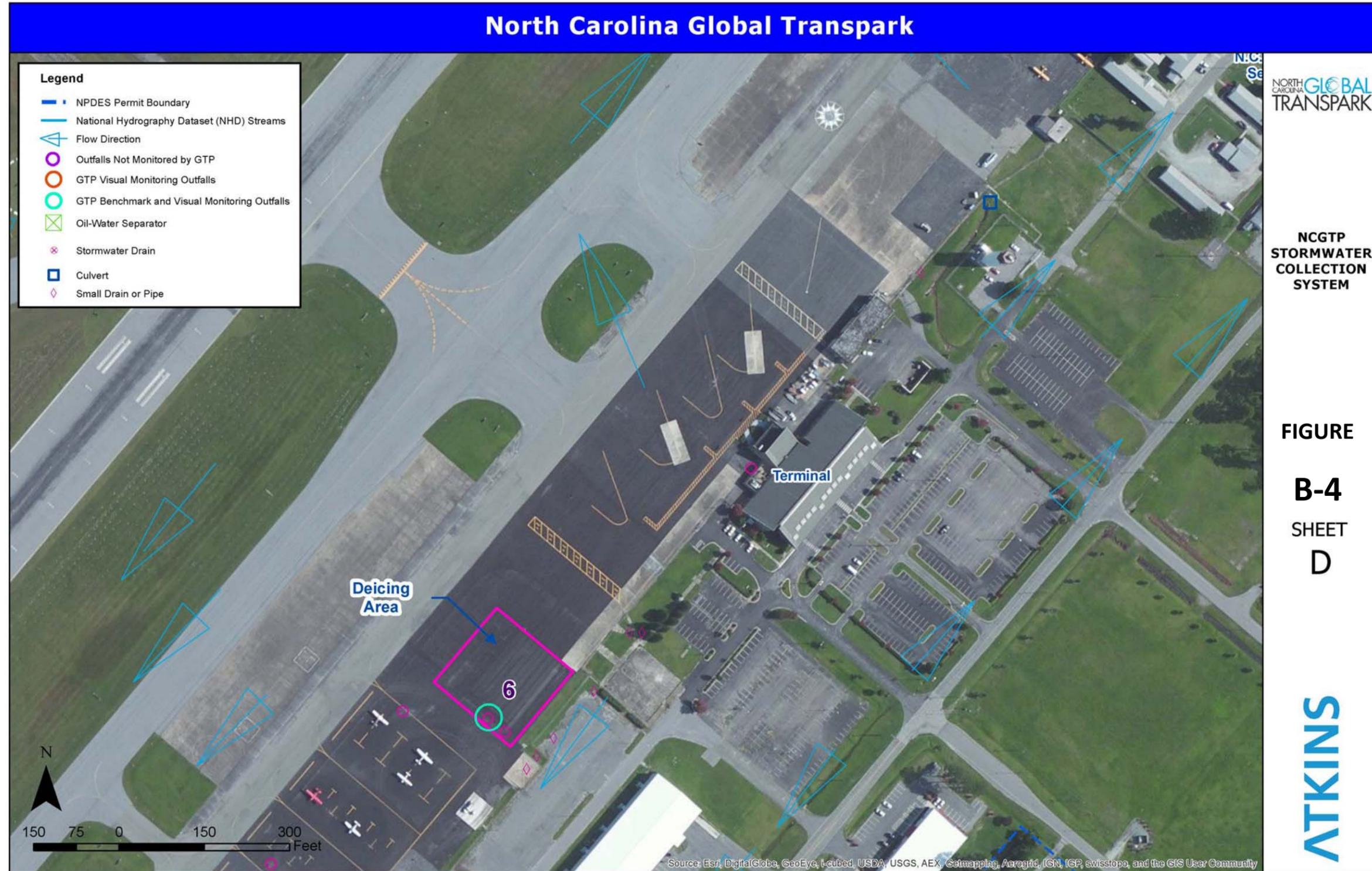












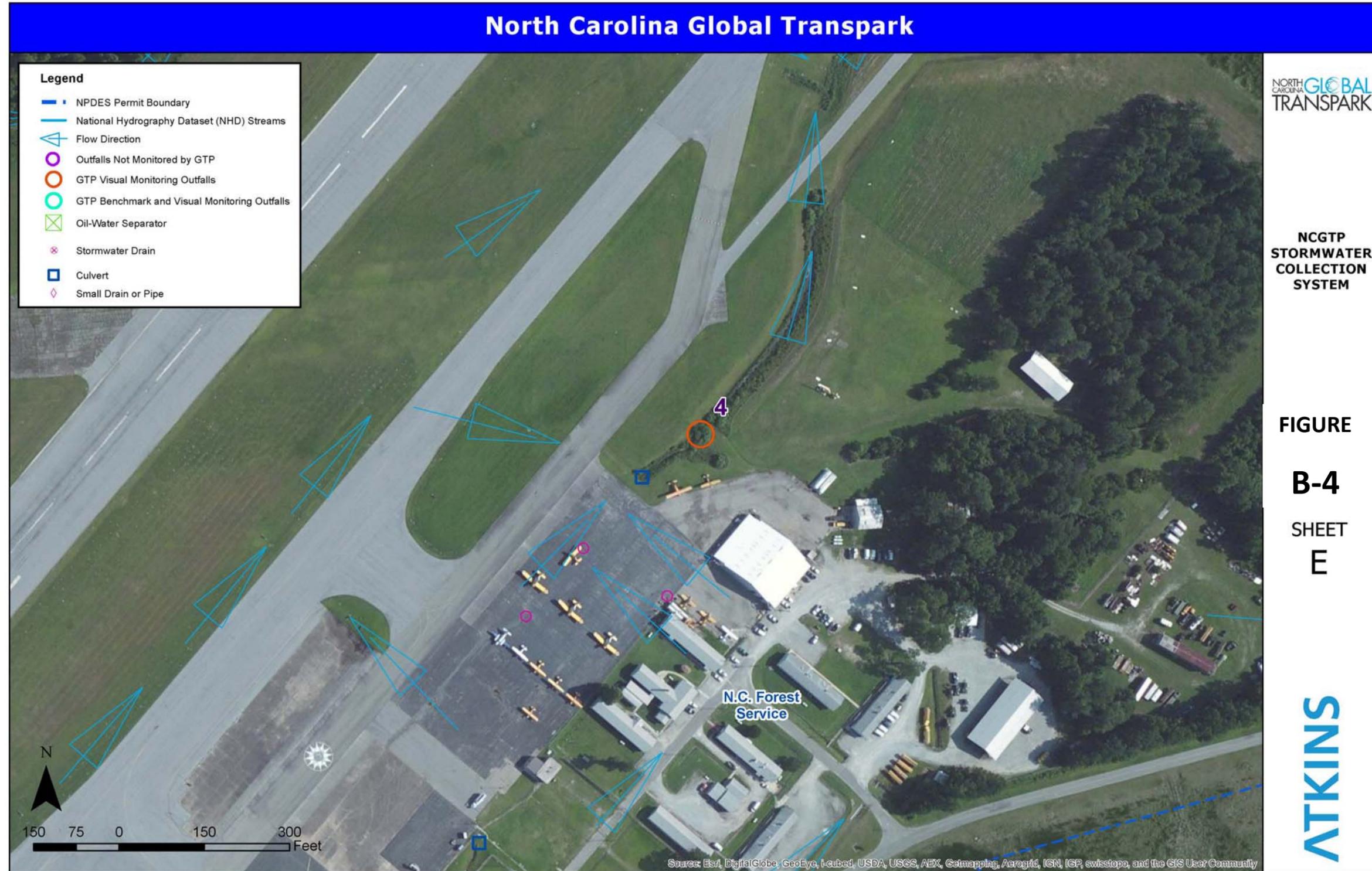
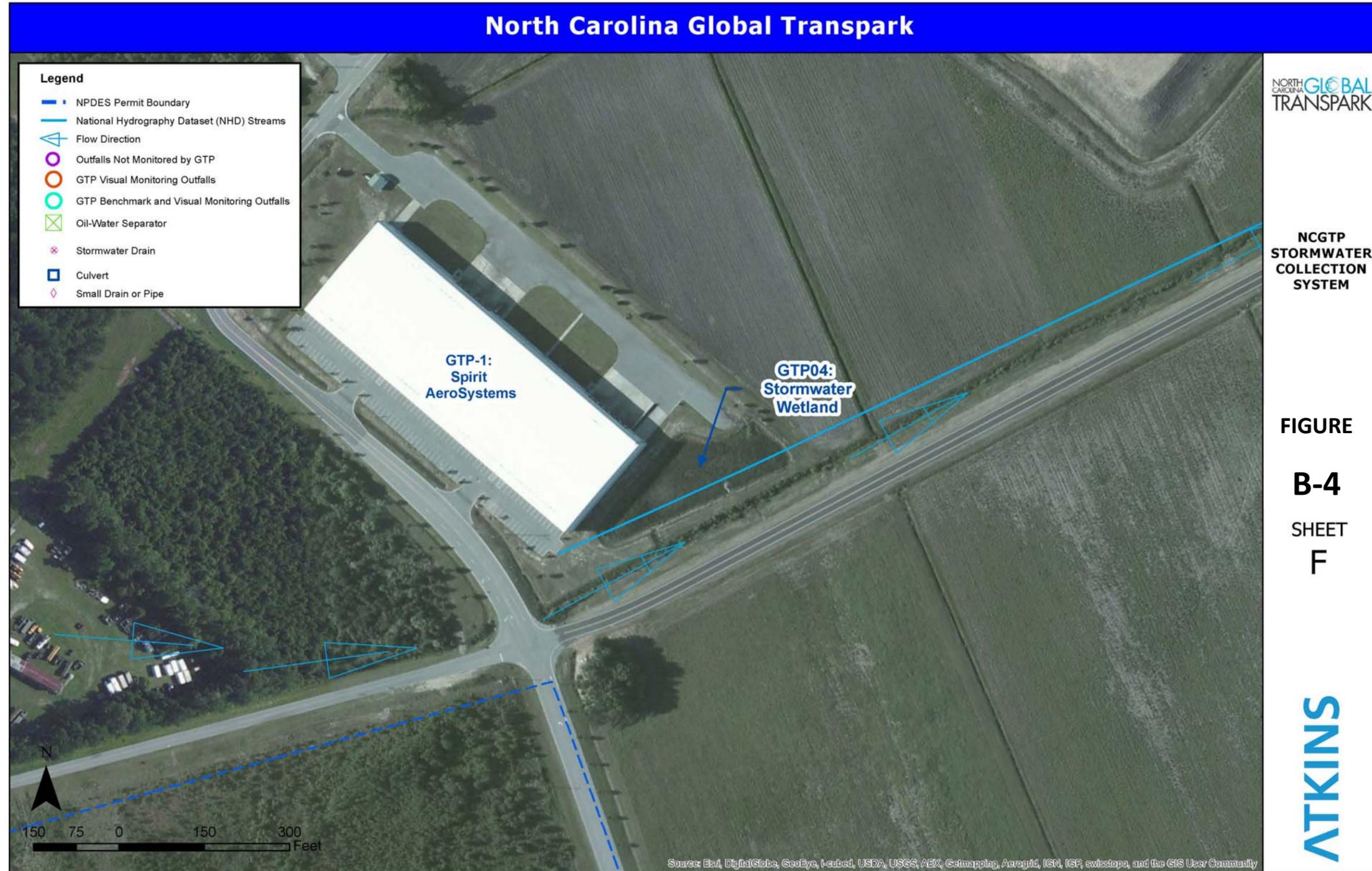


FIGURE  
**B-4**  
SHEET  
E



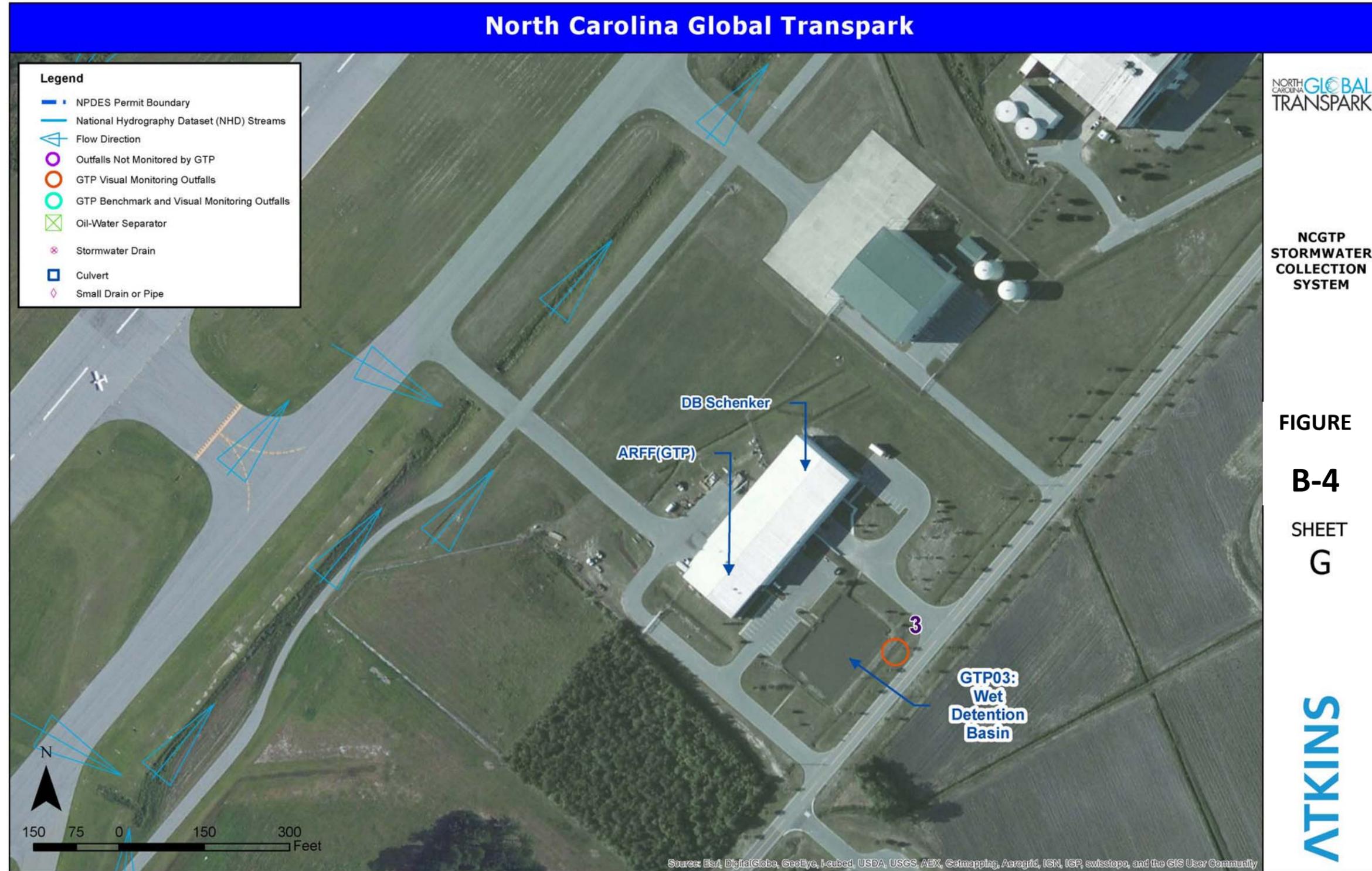
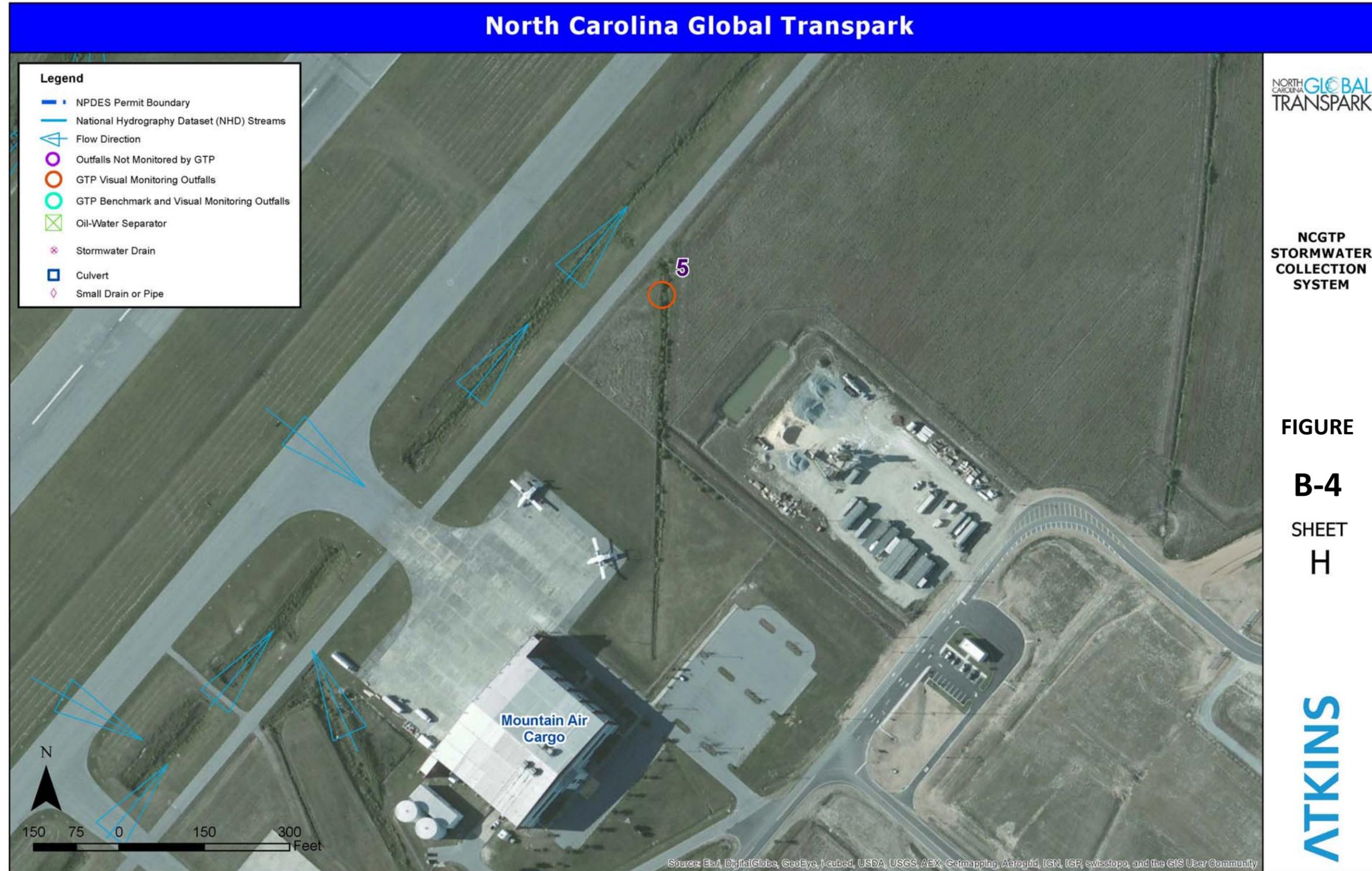
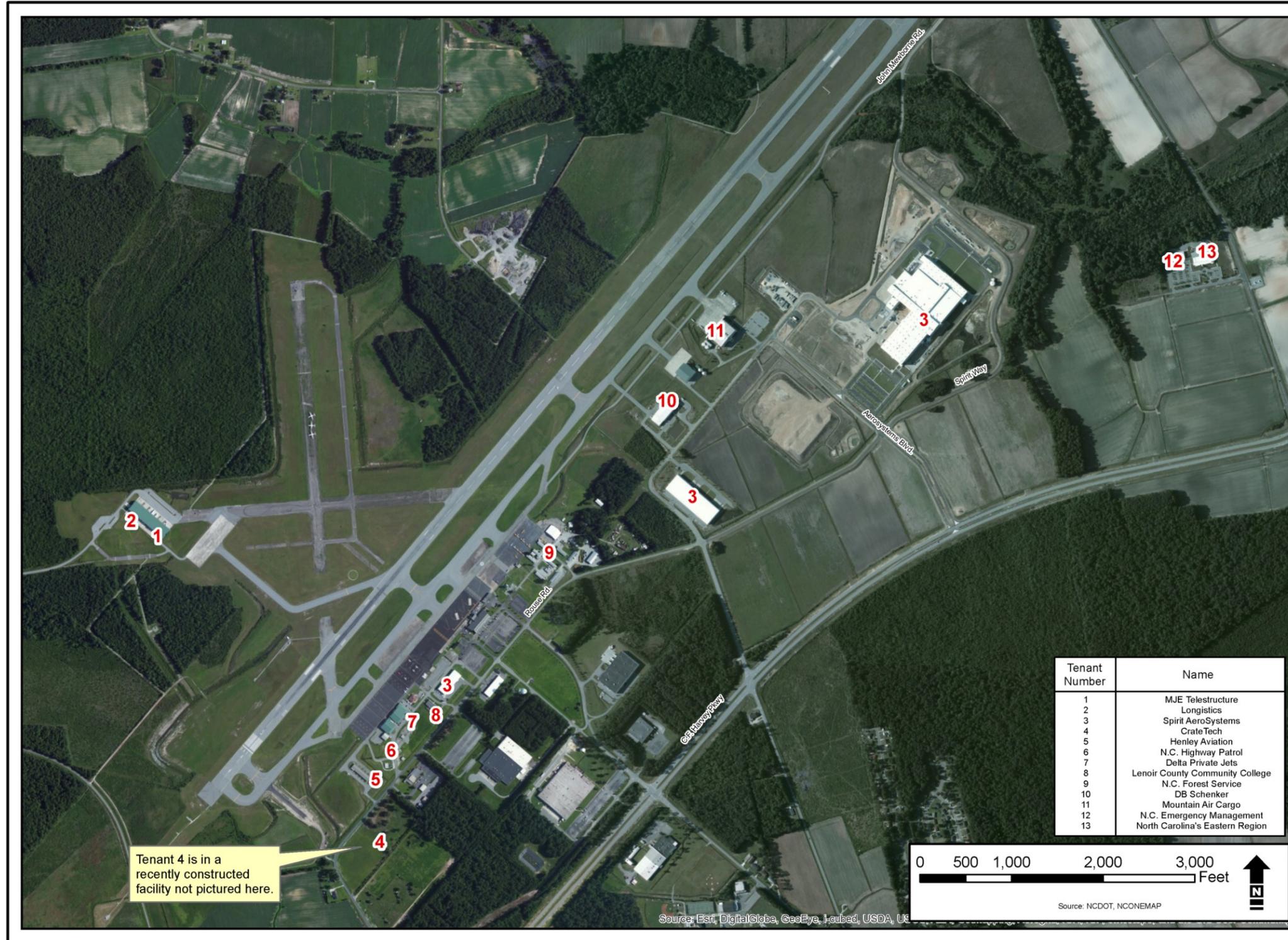


FIGURE  
**B-4**  
SHEET  
G





Tenant 4 is in a recently constructed facility not pictured here.

Tenant Number	Name
1	MJE Telestructure
2	Logistics
3	Spirit AeroSystems
4	CrateTech
5	Henley Aviation
6	N.C. Highway Patrol
7	Delta Private Jets
8	Lenoir County Community College
9	N.C. Forest Service
10	DB Schenker
11	Mountain Air Cargo
12	N.C. Emergency Management
13	North Carolina's Eastern Region



Title:  
**Tenant Map**  
North Carolina Global Transpark

LENOIR COUNTY, NORTH CAROLINA



Dwn By: ARE Date: MAY 2013

Ckd By: RF Scale: AS SHOWN

ATKINS Project No.: 100017861

**FIGURE B-5**

## APPENDIX C

### Revision of the NCGTP Stormwater Management Plan Measurable Goals

Public Education and Outreach

Public Involvement and Participation

Illicit Discharge Detection and Elimination

Pollution Prevention and Good Housekeeping for NCGTP Operations

**Public Education and Outreach**

The NCGTP Stormwater Permit requires the following: Implement a public education program to distribute educational materials to the community, conduct equivalent outreach activities about the impacts of storm water discharges on water bodies, raise public awareness on the causes and impacts of stormwater pollution and inform the public on the steps they can take to reduce pollutants in storm water runoff. The NCGTP will rely on the NCDOT External Education and Involvement Plan to reach the general public, and will focus its education and outreach on the NCGTP tenants.

NCGTP BMP (from SWMP)	Current NCGTP Measureable Goals (from SWMP)	Revised NCGTP Measurable Goals	NCDOT Measureable Goals	Justification
a. Public Education and Outreach Program	Develop and implement a Public Education and Outreach Program within 12 months of permit issuance incorporating the items listed in (b) through (d).	Utilize the NCDOT External Education and Involvement Plan (Plan) as the foundation for this BMP. As noted below, additional actions will be implemented by NCGTP to complement the Plan.	Maintain the External Education and Involvement Plan.	As of July 1, 2012, the NCGTP is located within the Department of Transportation and is subject to the direction and supervision of the Secretary. In the interest of increasing the efficiency of the Department, it has been determined that components of the NCDOT Stormwater External Education and Involvement Plan could be used to meet some of the measurable goals of the NCGTP SWMP, specifically certain goals of the Public Education and Outreach and Public Involvement and Participation BMPs.
b. Global TransPark Connections - Newsletter articles	Develop format for storm water articles to be included in the Global TransPark <b>Connections</b> newsletter. Publish storm water articles in the Global TransPark <b>Connections</b> newsletter.	No change	N/A	
c. Informational Website	Develop and maintain a stormwater page on NCGTP web site. Post newsletter articles on stormwater programs and projects, water quality, and ways to contact stormwater management program staff.	Develop and maintain a stormwater page on NCGTP web site including information on ways to contact NCGTP stormwater management program staff. Provide link to NCDOT Stormwater Page on NCGTP web site. Post links to stormwater articles in Global TransPark <b>Connections</b> newsletter.	Maintain a public education website to document NCDOT pollution prevention programs and promote stormwater quality. The website will include articles on water quality, stormwater projects and activities, and ways to contact stormwater management program staff.	Providing a link to the NCDOT Stormwater Program Web Page on the NCGTP Stormwater Web Page will increase the amount of information available to interested parties.
d. Public education materials	Develop general stormwater educational material targeting NCGTP tenants and employees, students, and the general public. Distribute written materials to NCGTP tenants and employees, schools, and at special events.	Utilize existing NCDOT efforts to distribute public education materials. Provide stormwater information to NCGTP tenants through the annual stormwater inspection.	Provide stormwater pollution prevention awareness information to the general public through the distribution of educational brochures at significant events, public involvement workshops and/or locations throughout the state. Audiences may include school-age children, the vacationing public and commercial users. Work with DENR and other agencies to promote and distribute public education materials annually.	The existing NCDOT efforts to distribute education materials effectively reach students and the general public. Focusing NCGTP stormwater education efforts on tenants by providing stormwater information during annual inspections will be the most effective mechanism to reduce stormwater pollution at NCGTP facilities.

**Public Involvement and Participation**

The NCGTP Stormwater Permit requires the following: Provide opportunities for the public to participate in program development and implementation and comply with State, Tribal, and local public notice requirements when implementing a public involvement/participation program. The NCGTP will rely on the NCDOT External Education and Involvement Plan to reach the general public, and will focus its public involvement and participation efforts on the NCGTP tenants.

NCGTP BMP	NCGTP Measureable Goals	Proposed NCGTP Measurable Goals	NCDOT Measureable Goals	Justification
a. Administer a Public Involvement Program	Develop and implement a Public Involvement and Participation Program, as outlined in (b) through (d) below.	Utilize the NCDOT External Education and Involvement Plan (Plan) as the foundation for this BMP.	Maintain the External Education and Involvement Plan. The plan shall include the requirements for the measureable goals below.	As of July 1, 2012, the NCGTP is located within the Department of Transportation and is subject to the direction and supervision of the Secretary. In the interest of increasing the efficiency of the Department, it has been determined that components of the NCDOT Stormwater External Education and Involvement Plan could be used to meet some of the measurable goals of the NCGTP SWMP, specifically certain goals of the Public Education and Outreach and Public Involvement and Participation BMPs.
b. Provide the public an opportunity to review and comment on the Stormwater Plan	Conduct at least one public meeting to allow the public an opportunity to review and comment on the Stormwater Plan.	Solicit comments on the SWMP by posting it on the NCGTP website and distributing a written notification to NCGTP tenants.	N/A	The lack of residential areas and permanent residents within the NCGTP makes a public meeting impractical.
c. Organize a volunteer community involvement program	Organize and implement a volunteer stormwater related program designed to promote ongoing citizen participation. Potential events include sponsoring and participating in Big Sweep, development of an Adopt a Stream program for Stonyton Creek, and promoting an Adopt a Highway program.	Utilize NCDOT's existing public involvement programs (e.g., Adopt-a-Highway) to transmit information and solicit participation. Distribute NCDOT illicit discharge training materials to tenants.	Continue the Adopt-a-Highway program, including illicit discharge training for volunteers. Additional programs may be developed.	NCDOT's public involvement programs provide numerous opportunities for community involvement.
d. Establish a Mechanism for Public Involvement	Develop a citizens' group for input on stormwater issues and the stormwater program.	Delete	N/A	NCDOT's community involvement programs provide numerous opportunities for public involvement.

**Illicit Discharge Detection and Elimination (IDDE)**

The NCGTP Stormwater Permit requires the following: Inform public employees, businesses, and the general public of hazards associated with illegal discharges and improper disposal of waste. The NCGTP will rely on the NCDOT External Education and Involvement Plan to reach the general public, and will focus its IDDE education efforts on the NCGTP tenants.

NCGTP BMP	NCGTP Measureable Goals	Proposed NCGTP Measurable Goals	NCDOT Measureable Goals	Justification
a. Develop & Implement Illicit Discharge Detection and Elimination (IDDE) Program	Develop and implement an Illicit Discharge Detection and Elimination (IDDE) Program as outlined in (b) through (g) below.	No Change		
b. Establish and maintain appropriate legal authorities	Establish, and maintain adequate ordinances or other legal authorities to prohibit illicit discharges and enforce the approved IDDE Program.	No Change		
c. Develop a Storm Sewer System Base Map	Complete identification, location of and mapping of stormwater drainage system components. At a minimum, mapping components includes outfalls, drainage areas and receiving streams. Establish procedures to continue to identify, locate, and update map of drainage system.	No Change		
d. Implement illicit discharge detection procedures	Implement an inspection program to detect dry weather flows at system outfalls. Establish procedures for tracing the sources of illicit discharges and for removing the sources. Develop procedures for identifying priority areas likely to have illicit discharges. Continue to identify, locate and update map of drainage system components of a priority basis per approved Illicit Discharge Program.	No Change		
e. Employee Training	Conduct training for appropriate NCGTP staff on detecting and reporting illicit discharges.	No Change		
f. Provide public education	Inform public employees, businesses, and the general public of hazards associated with illegal discharges and improper disposal of waste.	Utilize existing NCDOT efforts to distribute public education materials.	Provide stormwater pollution prevention awareness information to the general public through the distribution of educational brochures at significant events, public involvement workshops and/or locations throughout the state. Audiences may include school-age children, the vacationing public and commercial users.	As of July 1, 2012, the NCGTP is located within the Department of Transportation and is subject to the direction and supervision of the Secretary. In the interest of increasing the efficiency of the Department it has been determined that components of the NCDOT Stormwater External Education and Involvement Plan could be used to meet some of the measurable goals of the NCGTP SWMP, specifically certain goals of the Public Education and Outreach and Public Involvement and Participation BMPs.  The existing NCDOT efforts to distribute education materials effectively reach students and the general public. Focusing NCGTP stormwater education efforts on tenants by providing stormwater information during annual inspections will be the most effective mechanism to reduce stormwater pollution at NCGTP facilities.
		Provide stormwater information to NCGTP tenants through the annual stormwater inspection.	Work with DENR and other agencies to promote and distribute public education materials annually.	
g. Establish a public reporting mechanism	Establish and publicize a reporting mechanism for the public to report illicit discharges.	No Change		

**Pollution Prevention and Good Housekeeping for NCGTP Operations**

The title for this BMP was changed to reflect the fact that tenant facilities that conduct industrial activities covered by the NCGTP stormwater permit are evaluated. In addition, the Measurable Goals were reorganized and Measurable Goal (a.) was revised to reflect the NCGTP inspection procedures.

NCGTP BMP	NCGTP Measureable Goals	Proposed NCGTP Measurable Goals	Justification
a. Inspection and evaluation of NCGTP and tenant facilities and operations	Develop an inventory of all facilities and operations owned and operated by the permittee with the potential for generating polluted stormwater runoff. Specifically inspect the potential sources of polluted runoff, the stormwater controls, and conveyance systems. Evaluate the sources, document deficiencies, plan corrective actions and document the accomplishment of corrective actions.	Develop an inventory of all facilities and operations within the Permit Area with the potential for generating polluted stormwater runoff. Specifically inspect the potential sources of polluted runoff, the stormwater controls, and conveyance systems. Evaluate the sources, document deficiencies, plan corrective actions and document the accomplishment of corrective actions.	Clarifies that all Air Transportation facilities identified by the SIC Codes in Major Group 45 within the NCGTP Permit Area will be evaluated for the potential to contribute to stormwater pollution.
b. Review of NCGTP owned and operated regulated industrial activities	Conduct annual review of the industrial activities owned and operated by the permittee. Specifically review the following aspects: the Stormwater Pollution Prevention Plan where one is required, the timeliness of any monitoring reports required by the permit, and the results of inspections and subsequent follow-up actions.	No Change	
c. Develop an operation and maintenance program	Develop an operation and maintenance program that has the ultimate goal of preventing or reducing pollutant runoff from NCGTP operations.	No Change	
d. Conduct staff training	Conduct staff training specific for pollution prevention and good housekeeping procedures.	No Change	
e. Deicing and Anti-Icing Industrial Control Plan	Develop a management plan to minimize possible glycol and urea discharges from airport areas. Prepare estimates of annual pollutant loadings discharged to the storm drainage system or surface waters.	No Change	

**APPENDIX D**

**MEMORANDUM OF AGREEMENT BETWEEN THE NCGTPA  
AND THE NCDOT ROADSIDE ENVIRONMENTAL UNIT –  
HIGHWAY STORMWATER PROGRAM ON THE PUBLIC  
EDUCATION AND OUTREACH AND PUBLIC INVOLVEMENT  
AND PARTICIPATION PROGRAMS**

MEMORANDUM OF AGREEMENT  
BETWEEN THE  
NORTH CAROLINA GLOBAL TRANSPARK AUTHORITY  
AND  
THE NORTH CAROLINA DEPARTMENT OF TRANSPORTATION  
ROADSIDE ENVIRONMENTAL UNIT – HIGHWAY STORMWATER PROGRAM

This Memorandum of Agreement (MOA) is made and entered into on the date herein below last written by and between the NORTH CAROLINA GLOBAL TRANSPARK AUTHORITY (hereinafter "NCGTPA") and the NORTH CAROLINA DEPARTMENT OF TRANSPORTATION, ROADSIDE ENVIRONMENTAL UNIT – HIGHWAY STORMWATER PROGRAM (hereinafter "NCDOT"), collectively referred to hereinafter as "Parties," to establish the procedures for fulfilling certain requirements of the NCGTPA National Pollution Discharge Elimination System Permit No. NCS000516 (Permit). Specifically this MOA is established for the purpose of implementing the Public Education and Outreach and Public Involvement and Participation Programs as described in the NCGTPA Stormwater Management Plan (SWMP).

As of July 1, 2012 the NCGTPA is located within the NCDOT and is subject to the direction and supervision of the Secretary of the NCDOT. In the interest of increasing the efficiency of the NCDOT, it has been determined that components of the NCDOT External Education and Involvement Five-Year Plan can be used to meet some of the measurable goals of the NCGTPA SWMP, specifically certain goals of the Public Education and Outreach and Public Involvement and Participation Best Management Practices (BMPs). This Memorandum of Agreement outlines, in general, the roles and responsibilities of NCDOT and NCGTPA in meeting these measurable goals.

The foundation of both the Public Education and Outreach and the Public Involvement and Participation BMPs will be the NCDOT External Education and Involvement Five-Year Plan. Implementation of this Plan by the NCDOT satisfies the requirements of the NCGTPA SWMP related to the education and participation of the general public. At this time, there is little opportunity to engage the general public at the NCGTP; however, opportunities may arise in the future. Until then, the NCGTP will focus its stormwater education efforts on its tenants.

The roles and responsibilities of both parties are described below. Each party will designate an individual to facilitate coordination of these activities.

NCDOT Highway Stormwater Program Responsibilities:

- Continue to implement the External Education and Involvement Five-Year Plan that provides pollution prevention awareness information to the general public through the distribution of educational materials.

- Continue to maintain a public education website to document NCDOT pollution prevention programs and promote stormwater quality, including educational materials and ways to contact stormwater management program staff.
- Continue the Adopt-a-Highway program, including illicit discharge training for volunteers.

NCGTP Responsibilities:

- Develop and publish stormwater articles in the NCGTPA Connections newsletter.
- Develop and maintain a stormwater page on the NCGTPA website, including a link to the NCDOT Stormwater Program webpage for additional educational information and contacts.
- Provide stormwater information to NCGTPA tenants through the annual stormwater inspection.
- Solicit comments on the SWMP by posting on the NCGTPA website and distributing a written notification to tenants.

The effective date of the Memorandum of Agreement is the date of the last signature below:

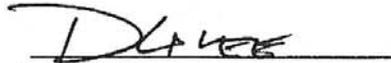
Date: 12/4/12



Charlie Diehl

North Carolina Global TransPark Authority

Date: 11/27/2012



Donald G. Lee

North Carolina Department of Transportation