ATKINS

May 31, 2012

Mr. Mike Randall
NC Division of Water Quality
Stormwater Permitting Unit
9th Floor – Archdale Building
512 North Salisbury Street
Raleigh, North Carolina 27604

Dear Mr. ~~Randall~~ MIKE:

Subject: NPDES Stormwater Permit No. NCS000516
North Carolina Global TransPark
Year 1 Annual Report

Attached is the Year 1 Annual Report documenting the actions taken by the North Carolina Global TransPark to implement its Stormwater Management Plan and comply with NPDES Permit No. NCS000516. As documented in the report, significant progress was made during Year 1 in implementing the Stormwater Management Plan.

If you have questions or need additional information I can be reached at 919-431-5262 (office), 919-210-3260 (cell), or by email at ronald.ferrell@atkinsglobal.com.

Sincerely,

Ron Ferrell
Senior Scientist

1616 East Millbrook Road, Suite 310 • Raleigh, NC 27609 • Telephone: 919.876.6888 Fax: 919.876.6848
www.atkinsglobal.com/northamerica

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

YEAR 1
ANNUAL REPORT
JUNE 2012

PREPARED BY

ATKINS

1616 East Millbrook Road, Suite 310 • Raleigh, NC 27609 • Telephone: 919.876.6888 Fax: 919.876.6848

www.atkinsglobal.com/northamerica

REPORTING 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.

James T. Fain, III
Executive Director

5/29/2012
Date

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Appendix B: Draft Illicit Discharge and Connection Stormwater Ordinance

Section 1: Introduction

On March 1, 2011, the North Carolina Global TransPark Authority (NCGTPA) began operating under Municipal Separate Storm Sewer System (MS4) National Pollutant Discharge Elimination System (NPDES) Permit Number NCS000516 (Permit). This document represents the Year 1 Annual Report as required by Part IV of the Permit. This report documents all activities that have been conducted to develop and implement the Stormwater Management Plan during the period March 1, 2011 through February 29, 2012.

The NCGTPA adopted the Stormwater Management Plan (SWMP) on February 28, 2012 (Attachment 1). The overall objective of the SWMP is to protect the receiving stream water quality by reducing the discharge of pollutants from the NCGTP's stormwater collection and conveyance system to the maximum extent practicable through the implementation of the best management practices (BMPs) that will be used to fulfill program requirements. The NCGTP Environmental Compliance Officer under the direction of the NCGTP Executive Director is responsible for the fulfillment of all activities discussed in the SWMP. Full implementation of the SWMP will be 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, schools, and general public as well as business and industry 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, schools, and general public the opportunity to participate in various programs within the SWMP.

3. Illicit Discharge Detection and Elimination 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. Appropriate ordinances and regulations will be developed and adopted by the NCGTP Board of Directors to provide the legal authority to prohibit the discharge of pollutants to the storm drain 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 NCDENR - Division of Land Resources (DLR) Erosion and Sediment Control Program and the NCDENR - DWQ NPDES Stormwater General Permit NCG01000 for construction related activities to meet this requirement. The Environmental Compliance Officer in concert with staff of the NCDENR - DLR 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 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 from these facilities. Stormwater Pollution Prevention Plans and Spill Response Plans will be 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 (Figures 1 and 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 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 3000 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 5998 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 3983 acres and includes 24 percent of the total NCGTP NPDES permit area.

2.2 Population Served

A census population served is not applicable since there are no residential areas within the Permit Area. There are approximately 485 employees of the twelve current tenants of the NCGTP. The tenants include four government agencies and eight private firms. GTP tenants include DB Schenker, Delta Private Jets, Henley Aviation, Longistics, MJE Telestructure, Mountain Air Cargo, NC Emergency Management – Eastern Branch, NC Forest Service, NC Highway Patrol, NC's Eastern Region, Spatial Integrated Systems, and Spirit Aerosystems.

2.3 Jurisdictional and MS4 Service Areas

The NCGTP NPDES Permit Area is defined by the property currently owned by the NCGTP and includes approximately 2533-acres (3.9 square miles) as shown in Figure 2.

2.4 MS4 Conveyance System

With the exception of the Air Cargo Complex and the Spirit Aerosystems site, 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 (Figure 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 that eventually discharge into UT's of Stonyton Creek and Briery Run.

2.5 Land Use Composition Estimates.

Land use within the 2533-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 1163 acres are managed open space comprising 46 percent of the overall land use. Forested land covers approximately 1108 acres, or 44 percent. Industrial/infrastructural land uses occupy approximately 261 acres or 10 percent of the Permit Area.

2.6 Estimate Methodology

Land use estimates were determined using property boundaries and current land use within the 2533-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

NCGTP will develop and implement a Public Education and Outreach Program to distribute educational materials to NCGTP tenants, schools and the general public and conduct outreach activities focused on the impacts of storm water discharges on water bodies. The program also provides information on actions that the public can take to reduce these impacts and protect water quality conditions. The BMPs that will 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.

Table 3.1 BMP Summary Table

BMP	Measureable Goals
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).
b. Global TransPark Connections -Newsletter articles	Develop format for storm water articles to be included in the Global TransPark ***Connections*** newsletter.
	Publish storm water articles in the Global TransPark ***Connections*** newsletter.
c. Informational Website	Develop and maintain stormwater page on NCGTP web site.
	Post newsletter articles on stormwater programs and projects, water quality, and ways to contact stormwater management program staff.
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.

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

3.1 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.

3.2 Permit Year 1 Accomplishments

- Since the effective date of the Permit the decision has been made to integrate the NCGTP and N.C. Ports Authority into the NC Department of Transportation. Due to this decision, discussions have been initiated with the N.C. Department of Transportation, Roadside Environmental Unit (NCDOT) concerning integration of the Public Education and Outreach program with the existing NCDOT program.

3.3 Permit Year 2 Proposed Objectives

- Complete discussions with NCDOT concerning integration of the Public Education and Outreach program with the existing NCDOT program.
- Prepare and publish articles that address stormwater pollution in Global TransPark Connections newsletter.
- NCGTP is in the process of developing a new website that will include a separate page for stormwater information and articles. The launch of the web site is scheduled for July 2012 and will be on-line during Permit Year 2.

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Section 4: Public Involvement and Participation

The NCGTP will develop and implement a Public Involvement and Participation Program designed to provide opportunities for the public to participate in the development and implementation of the stormwater program. The BMPs that will comprise the Public Education and Outreach Program are listed in Table 4.1 and described below. The Implementation Schedule and Responsible Position are listed in Table 4.2.

Table 4.1 BMP Summary Table

BMP	Measureable Goals
a. Administer a Public Involvement Program	Develop and implement a Public Involvement and Participation Program, as outlined in (b) through (d) below.
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.
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.
d. Establish a Mechanism for Public Involvement	Develop a citizens' group for input on stormwater issues and the stormwater program.

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 Stormwater Plan		✔				Marketing and Communications Manager & Environmental Compliance Officer
c. Organize a volunteer community involvement program			✔	✔	✔	Marketing and Communications Manager & Environmental Compliance Officer
d. Establish a Mechanism for Public Involvement			✔	✔	✔	Marketing and Communications Manager & Environmental Compliance Officer

4.1 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.

4.2 Permit Year 1 Accomplishments

- Since the effective date of the stormwater permit the decision has been made to integrate the NCGTP and N.C. Ports Authority into the NC Department of Transportation. Due to this decision, discussions have been initiated with the N.C. Department of Transportation, Roadside Environmental Unit (NCDOT) concerning integration of the Public Involvement and Participation program with the existing NCDOT program.
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4.3 Permit Year 2 Proposed Objectives

- Complete discussions with NCDOT concerning integration of the Public Education and Outreach program with the existing NCDOT program.
- Prepare and publish articles that address stormwater pollution in Global TransPark Connections.
- NCGTP is in the process of developing a new website that will include a separate page for stormwater information and articles. Upon completion, the Stormwater Management Plan will be posted for public review and comment.

Section 5: Illicit Discharge Detection and Elimination

The NCGTP will develop and implement an Illicit Discharge Detection and Elimination (IDDE) Program designed to detect and eliminate illicit discharges to the NCGTP Municipal Separate Storm Sewer System (MS4), address significant contributors of pollutants to the MS4, implement appropriate enforcement procedures and actions, develop a map showing the NCGTP major MS4 outfalls to state waters receiving discharges, and inform employees, businesses, and the general public of hazards associated with illegal discharges and improper disposal of waste. The BMPs that will 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.

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 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.
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.
e. Employee Training	Conduct training for appropriate NCGTP staff on detecting and reporting illicit discharges.
f. Provide public education	Inform public employees, businesses, and the general public of hazards associated with illegal discharges and improper disposal of waste.
g. Establish a public reporting mechanism	Establish and publicize a reporting mechanism for the public to report illicit discharges.

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 Executive Committee/Board of Directors
c. Develop a Storm Sewer 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

5.1 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.

5.2 Permit Year 1 Accomplishments

- A Draft Illegal Discharge, Detection, and Elimination Ordinance (Attachment 1, Appendix B) has been prepared and submitted for legal review prior to submission to the NCGTP Executive Board for incorporation into the NCGTP Exclusive Development Ordinance.
- Development of the Storm Sewer System Base Map has been initiated.

5.3 Permit Year 2 Proposed Objectives

- Adoption of the Illegal Discharge, Detection, and Elimination Ordinance and incorporation into the NCGTP Exclusive Development Ordinance.
- Completion of the Storm Sewer System Base Map.
- Initiate development of illicit discharge detection procedures.

Section 6: Construction Site Stormwater Runoff Control

The NCGTP relies on the North Carolina Department of Environment and Natural Resources, Division of Land Resources (DLR) to implement this BMP. The DLR 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.

The BMPs that will be 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.

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 Land Resources (DLR) Erosion and Sediment Control Program as administered by the DLR.
b. Establish public information procedures	A link to the DLR "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 DLR regional office will monitor 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-DLR
b. Establish public information procedures		✔	✔	✔	✔	Marketing and Communications Manager & Environmental Compliance Officer
c. Establish inspection and enforcement procedures		✔	✔	✔	✔	NCDENR-DLR & Environmental Compliance Officer

6.1 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.

6.2 Permit Year 1 Accomplishments

- The Environmental Compliance Officer has monitored all active construction sites to ensure compliance with approved sediment and erosion control plans.

6.3 Permit Year 2 Proposed Objectives

- A link to the DLR "Stop Mud" Hotline will be provided on the Stormwater page of the NCGTP web site.
- Continue monitoring of active construction sites to ensure compliance with approved sediment and erosion control plans.

Section 7: Post-Construction Stormwater Management Program

The objectives of this program are to manage stormwater runoff from development that drains to the NCGTP Municipal Separate Storm Sewer System (MS4) 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, to provide a mechanism requiring long-term operation and maintenance of BMP's, and to ensure controls are in place to minimize water quality impacts. These objectives are achieved through the application of a variety of Best Management Practices 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.

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 MS4	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.

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 MS4		✔	✔	✔	✔	Environmental Compliance Officer
c. Establish inspection and enforcement procedures		✔	✔	✔	✔	Environmental Compliance Officer

7.1 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 measureable goals in accordance with the Implementation Schedule shown in Table 7.2.

7.2 Permit Year 1 Accomplishments

- The Stormwater Control and Watercourse Buffer Ordinance (Attachment 1, Appendix A) was adopted by the NCGTP Executive Board and incorporated into the NCGTP Exclusive Development Ordinance on March 23, 2011.
- Site plans for new development are reviewed to ensure compliance with the Stormwater Control and Watercourse Buffer Ordinance and the Neuse River Basin – Nutrient Sensitive Waters Management Strategy: Basinwide Stormwater Requirements.
- Initiated the identification and assessment of all structural stormwater BMP's located within the Permit Area.

7.3 Permit Year 2 Proposed Objectives

- Complete the identification and assessment of all structural stormwater BMP's located within the Permit Area.
- Develop a remedial action schedule, if necessary, for existing structural stormwater BMP's located within the Permit Area.
- Develop and implement an annual inspection schedule for all structural stormwater BMP's located within the Permit Area.

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 Best Management Practices detailed below and managed through the Director of Airport Operations and the Environmental Compliance Officer. Training materials developed locally and those available through 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.

Table 8.1 BMP Summary Table

BMP	Measureable Goals
a. 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.
b. Inspection and evaluation of 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.
c. Conduct staff training	Conduct staff training specific for pollution prevention and good housekeeping procedures.
d. Review of NCGTP owned or operated regulated industrial activities	Conduct annual review of the industrial activities with a Phase I NPDES permit 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 Phase I permit and the results of inspections and subsequent follow-up actions.
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.

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

8.1 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.

8.2 Permit Year 1 Accomplishments

- Initiated the development of an inventory of all facilities owned and operated by NCGTP with the potential for generating polluted stormwater runoff.
- All deicing and anti-icing procedures are conducted by NCGTP Airport Operations staff. The potential discharge of glycol and urea is minimized by adhering to the instructions provided by the manufacturer and using the minimum amount of deicing/anti-icing materials based on weather conditions and type of aircraft. The date, type and amount of deicing/anti-icing materials used for each procedure are recorded and maintained by NCGTP. There were no deicing/anti-icing procedures performed during Permit Year 1.

8.3 Permit Year 2 Proposed Objectives

- Complete the development of an inventory of all facilities owned and operated by NCGTP with the potential for generating polluted stormwater runoff.
- Conduct staff training specific for pollution prevention and good housekeeping procedures.

- Conduct annual review of the industrial activities with a Phase I NPDES permit owned and operated by the NCGTP.
- Review all Stormwater Pollution Prevention Plans developed for facilities owned and operated by NCGTP.

Section 9: Monitoring Requirements

9.1 Benchmark Monitoring where Deicing/Anti-icing Activities Occur

- There were no Deicing/Anti-icing events during Permit Year 1 (December 2011 – February 2012) therefore benchmark monitoring was not conducted.

9.2 Qualitative Monitoring Requirements

- As described in Section 5, the Development of the Storm Sewer System Base Map, including the location of all stormwater outfalls, was not completed during Permit Year 1 therefore qualitative monitoring was not performed. Quarterly qualitative monitoring will be initiated during Permit Year 2 after completion of the Storm Sewer System Base Map.

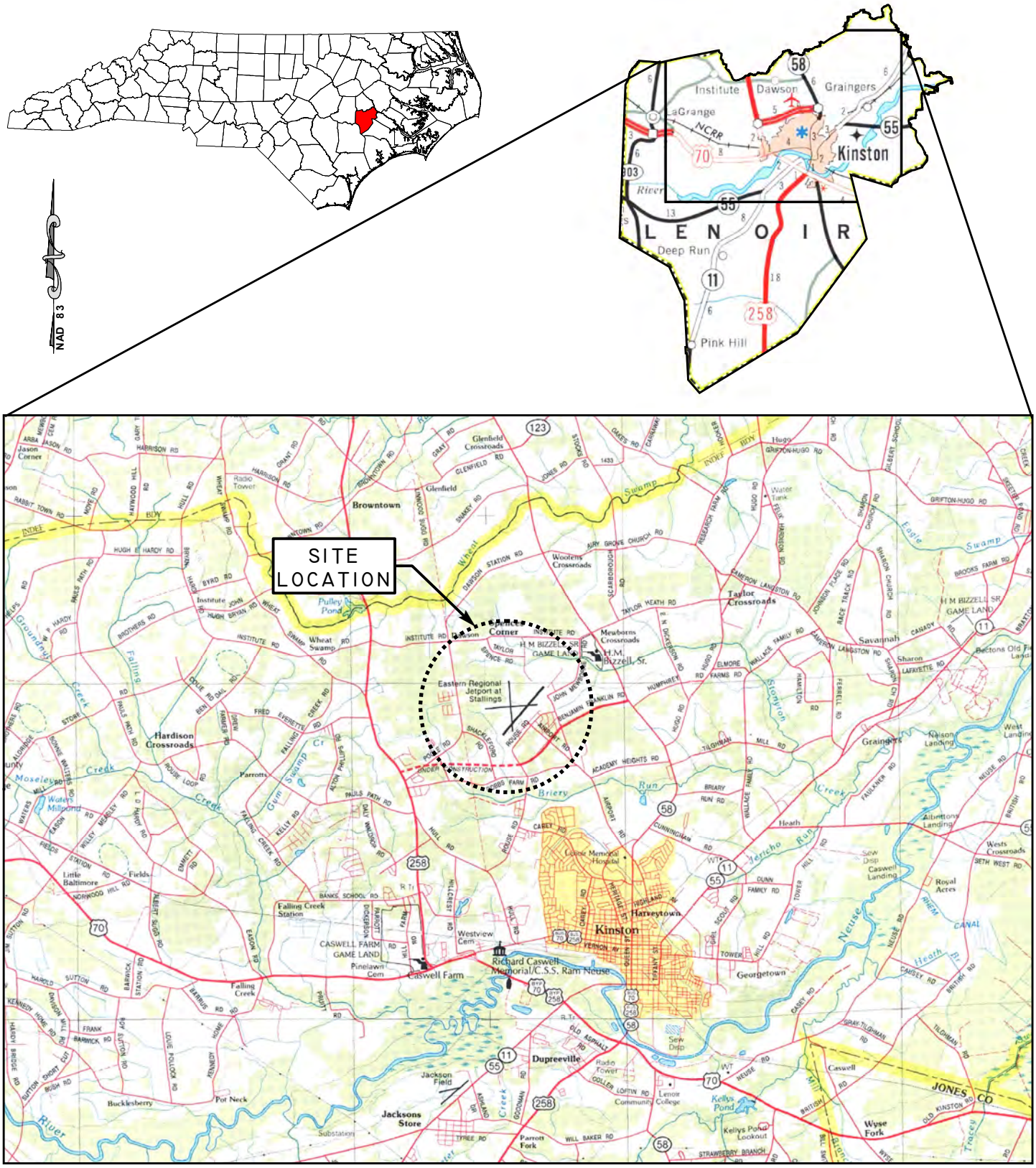
Section 10: Compliance Evaluation of Industrial Activities

- As described in Section 8, the inventory of all facilities owned and operated by NCGTP with the potential for generating polluted stormwater runoff was not completed during Permit Year 1. Inspections of these facilities will be conducted during Permit Year 2 after completion of the inventory.

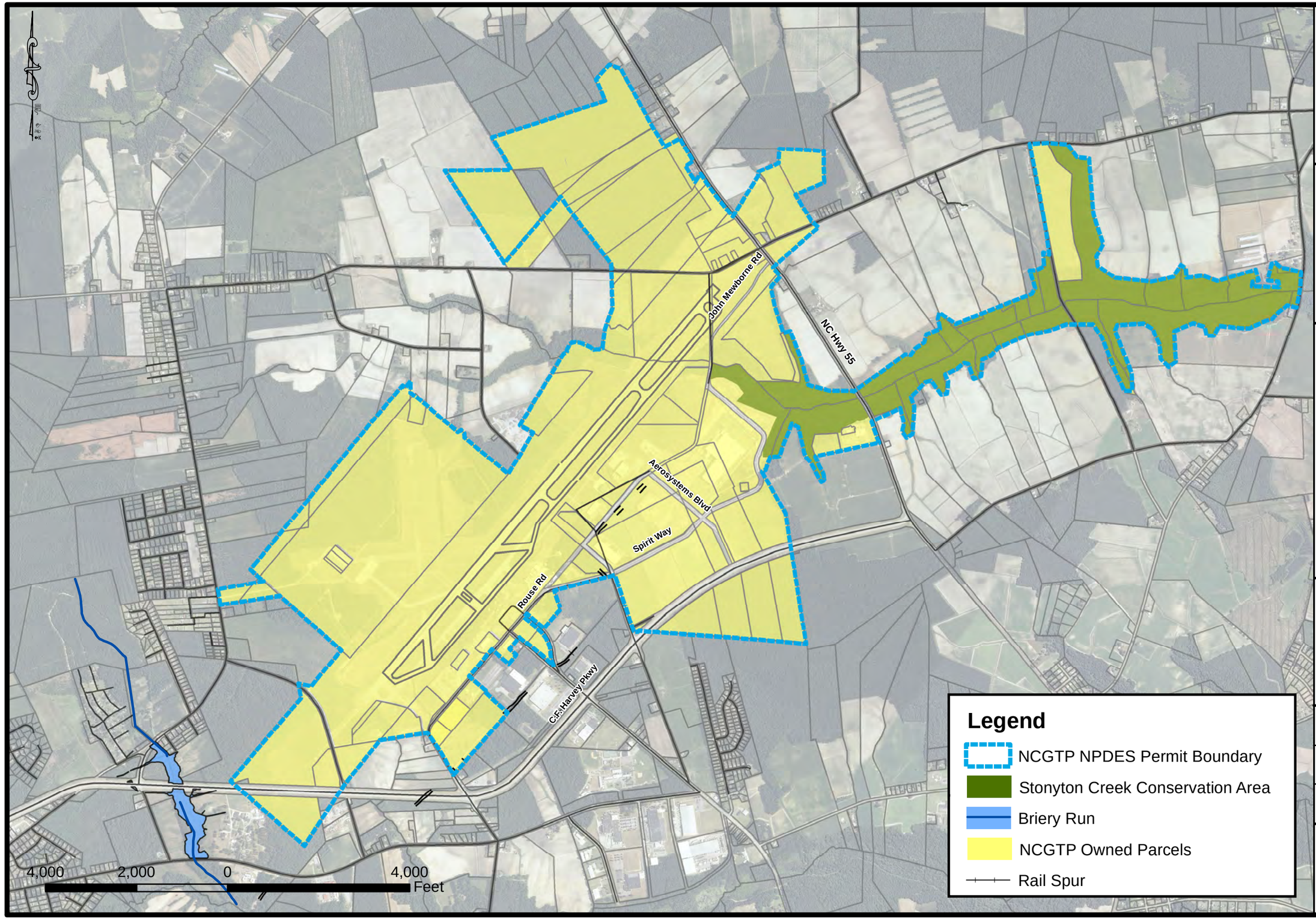
Section 11: Current FY Budget and Anticipated Budget for Next FY

- All funding for implementation of the Stormwater Management Plan and the requirements of NPDES Permit Number NCS000516 are provided through the NCGTP annual budget. As a state agency the NCGTP operates on a Fiscal Year (FY) that begins on July 1 and ends on June 30. Permit Year 1 utilized funds from FY 2010-11 and FY 2011-12. Permit Year 2 will utilize funds from FY 2011-12 and FY 2012-13. Funds that were available for implementation of the stormwater program for FY 2010-11 and FY 2011-12 are shown below. The anticipated funding for FY 2012-13 is also shown.

FY 2010-11	$72,300	
FY 2011-12	$43,300	(remaining balance from FY 2010-11)
FY 2012-13	$45,500	(anticipated funding)



ATKINS	NORTH CAROLINA GLOBAL TRANSPARK	**NCGTP SITE LOCATION** **NCGTP Stormwater Management Plan** **Lenoir County, North Carolina**	Dwn By: ARE / Ckd By: REF Date: JAN 2012 Scale: 1:150,000 Project No: 100017861	**FIGURE** 1



ATKINS

Client:

NORTH CAROLINA GLOBAL TRANSPARK

Project:

NCGTP Stormwater Management Plan

Lenoir County, North Carolina

Title:

NPDES Stormwater Permit Area

Dwn By:	Ckd By:
ARE	REF
Date:	Scale:
JAN 2012	1:24,000

Project No.: 100017861

FIGURE

2

Attachment 1

NCGTP Stormwater Management Plan

NORTH CAROLINA GLOBAL TRANSPARK

February 28, 2012

Mr. Ron Ferrell
Senior Scientist, Mid-Atlantic Sciences
ATKINS
1616 East Millbrook Road, Suite 310
Raleigh, North Carolina 27609-4968

Dear Ron:

This is to advise you that the Global TransPark has adopted the Stormwater Management Plan as revised in January 2012. It is now ready to be submitted to the Division of Water Quality.

Should you need anything further, please do not hesitate to contact me.

Sincerely,

James T. Fain III
President

2780 Jetport Road, Suite A / P.O. Box 1476 / Kinston, North Carolina 28503 / Phone: (252) 522-4929 / FAX: (252) 522-5778 / www.ncgtp.com

North Carolina

Global TransPark Authority

Stormwater Management Plan

January 2012

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

PREPARED BY

ATKINS

1616 East Millbrook Road, Suite 310 • Raleigh, NC 27609 • Telephone: 919.876.6888 Fax: 919.876.6848
www.atkinsglobal.com/northamerica

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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
MS4: Municipal Separate Storm Sewer System
NCAC: North Carolina Administrative Code
NCDENR: North Carolina Department of Environment and Natural Resources
NCGTP: North Carolina Global TransPark Authority
NPDES: National Pollutant Discharge Elimination System

Section 1: Introduction

On March 1, 2011, the North Carolina Global TransPark Authority began operating under Municipal Separate Storm Sewer System (MS4) 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 Program 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 MS4 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, schools, and general public as well as business and industry 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, schools, and general public the opportunity to participate in various programs within the SWMP.

3. Illicit Discharge Detection and Elimination 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. Appropriate ordinances and regulations will be developed and adopted by the NCGTP Board of Directors to provide the legal authority to prohibit the discharge of pollutants to the storm drain 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 NCDENR - Division of Land Resources (DLR) Erosion and Sediment Control Program and the NCDENR - DWQ NPDES Stormwater General Permit NCG01000 for construction related activities to meet this requirement. The Environmental Compliance Officer in concert with staff of the NCDENR - DLR 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 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 from these facilities. Stormwater Pollution Prevention Plans and Spill Response Plans will be 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 (Figures 1 and 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 C-SW-NSW (Table 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 3000 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 5998 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 3983 acres and includes 24 percent of the total NCGTP NPDES permit area (Figure 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 fourteen current tenants of the NCGTP. The tenants include four government agencies and ten private firms. GTP tenants include DB Schenker, Delta Private Jets, Henley Aviation, Longistics, MJE Telestructure, Mountain Air Cargo, NC Emergency Management – Eastern Branch, NC Forest Service, NC Highway Patrol, NC's Eastern Region, Spatial Integrated Systems, and Spirit Aerosystems.

2.3 Jurisdictional and MS4 Service Areas

The NCGTP NPDES Permit Area is defined by the property currently owned by the NCGTP and includes approximately 2533-acres (3.9 square miles) as shown in Figure 2.

2.4 MS4 Conveyance 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 (Figure 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 2533-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 1182 acres are managed open space comprising 47 percent of the overall land use. Forested land covers approximately 1094 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 2533-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

NCGTP will develop and implement a Public Education and Outreach Program to distribute educational materials to NCGTP tenants, schools and the general public and conduct outreach activities focused on the impacts of storm water discharges on water bodies. The program also provides information on actions that the public can take to reduce these impacts and protect water quality conditions. The BMPs that will 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

BMP	Measureable Goals
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).
b. Global TransPark Connections -Newsletter articles	Develop format for storm water articles to be included in the Global TransPark ***Connections*** newsletter.
	Publish storm water articles in the Global TransPark ***Connections*** newsletter.
c. Informational Website	Develop and maintain stormwater page on NCGTP web site.
	Post newsletter articles on stormwater programs and projects, water quality, and ways to contact stormwater management program staff.
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.

3.1 BMP Descriptions

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).

b. Global TransPark Connections -Newsletter articles: Stormwater articles that address target pollutants and potential sources will be published twice a year. The newsletter is distributed to NCGTP tenants, through the mail to a wide audience, 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: http://www.ncgtp.com/index.html. This page will include information on stormwater pollutants and ways to minimize them, stormwater projects at the NCGTP, and contacts for reporting stormwater pollution problems and concerns.

d. Public Education Materials: The NCGTP will utilize general stormwater awareness brochures available through various sources, such as the NC Department of Environment and Natural Resources *Public Awareness and Outreach Toolkit*, to educate tenants and the general public on the sources and causes of stormwater pollution and solutions for preventing pollution. These brochures will be distributed to tenants, schools, and the general public at various events.

3.2 Target Audience

The target audiences for the public education program include NCGTP tenants and employees, schools, and the general public. 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. Schools: Lenoir County has been designated as a NC STEM (Science, Technology, Engineering and Mathematics) Community. The NCGTP is a participating partner in this effort and will develop educational materials on stormwater and water quality to utilize in the STEM program being implemented in local schools. Lenoir Community College holds classes at the NCGTP which provides an opportunity to distribute educational materials to students enrolled in these advanced programs.

c. 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.

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

The NCGTP will develop and implement a Public Involvement and Participation Program designed to provide opportunities for the public to participate in the development and implementation of the stormwater program. The BMPs that will comprise the Public Education and Outreach 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	Develop and implement a Public Involvement and Participation Program, as outlined in (b) through (d) below.
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.
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.
d. Establish a Mechanism for Public Involvement	Develop a citizens' group for input on stormwater issues and the stormwater program.

4.1 BMP Descriptions

a. Administer a Public Involvement Program: Develop and implement a Public Involvement and Participation Program and Plan to allow the public to provide input and comment on stormwater management programs as well as participate in volunteer opportunities.

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. In addition, the Stormwater Plan will be posted on the NCGTP Website – Stormwater Page for review and comment.

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 the Stonyton Creek Conservation Area, and promoting an Adopt a Highway program. The Stonyton Creek Conservation Area is a component of the compensatory mitigation plan developed for the NCGTP and will be the focal point of the community involvement program.

d. Establish a Mechanism for Public Involvement: The NCGTP Stormwater Advisory Committee will be established with members solicited from NCGTP tenants and the general public. The Committee will be involved in the implementation of the SWMP and will assist with future updates of the SWMP.

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 Stormwater Plan		✔				Marketing and Communications Manager & Environmental Compliance Officer
c. Organize a volunteer community involvement program			✔	✔	✔	Marketing and Communications Manager & Environmental Compliance Officer
d. Establish a Mechanism for Public Involvement			✔	✔	✔	Marketing and Communications Manager & Environmental Compliance Officer

4.2 Target Audience

The target audience for the Public Involvement and Participation Program includes NCGTP tenants, schools and the general public. The Program will actively involve all potentially affected stakeholder groups, including industrial facilities, environmental groups, civic groups and educational organizations.

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 will develop and implement an Illicit Discharge Detection and Elimination (IDDE) Program designed to detect and eliminate illicit discharges to the NCGTP Municipal Separate Storm Sewer System (MS4), address significant contributors of pollutants to the MS4, implement appropriate enforcement procedures and actions, develop a map showing the NCGTP major MS4 outfalls to state waters receiving discharges, and inform employees, businesses, and the general public of hazards associated with illegal discharges and improper disposal of waste. The BMPs that will 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 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.
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.
e. Employee Training	Conduct training for appropriate NCGTP staff on detecting and reporting illicit discharges.
f. Provide public education	Inform public employees, businesses, and the general public of hazards associated with illegal discharges and improper disposal of waste.
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).

b. Establish and maintain appropriate legal authorities: Appropriate ordinances will be developed and incorporated into the NCGTP Exclusive Development Ordinance after approval by the Executive Committee of the NCGTP Board of Directors. These ordinances will:

- Define what constitutes an illicit discharge;
- Establish provisions for access and inspection;
- Require removal of illicit discharges; and
- Establish enforcement mechanisms.

c. Develop a Storm Sewer System Base Map: The NCGTP will develop a Storm Sewer System Base Map showing the location of all outfalls and the names and location of all waters of the United States that receive discharges from those outfalls. 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 drain 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 provide general stormwater awareness education and an introduction to the hazards associated with illegal discharges and improper disposal of waste through the Public Education and Outreach Program.

g. Establish a public reporting mechanism: The main phone number for the NCGTP has been designated as the water pollution help line: 252-522-4929. This phone number is publicized on the NCGTP website and on numerous brochures and educational items distributed to the public. Staff will be trained to direct reports of illicit discharges to the proper NCGTP personnel. The hotline will include a recording advising citizens of what to do if they call during non-business hours.

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 Executive Committee/Board of Directors
c. Develop a Storm Sewer 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 Land Resources (DLR) to implement this BMP. The DLR 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 DLR "Stop Mud" Hotline will be provided on the Stormwater page of the NCGTP web site. The Environmental Compliance Officer in concert with the DLR regional office will monitor compliance with approved sediment and erosion control plans.

The BMPs that will be 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 Land Resources (DLR) Erosion and Sediment Control Program as administered by the DLR.
b. Establish public information procedures	A link to the DLR "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 DLR 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 will rely on the NCDENR Division of Land Resources (DLR) Erosion and Sediment Control Program as administered by the DLR. 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 DLR prior to disturbance of greater than one acre of land surface.

b. Establish public information procedures: A link to the DLR "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 DLR regional office will monitor 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-DLR
b. Establish public information procedures		✔	✔	✔	✔	Marketing and Communications Manager & Environmental Compliance Officer
c. Establish inspection and enforcement procedures		✔	✔	✔	✔	NCDENR-DLR & 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 manage stormwater runoff from development that drains to the NCGTP Municipal Separate Storm Sewer System (MS4) 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, to provide a mechanism requiring long-term operation and maintenance of BMP's, and to ensure controls are in place to minimize water quality impacts. These objectives are achieved through the application of a variety of Best Management Practices 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 MS4	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. 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.

NCGTP tenants that are responsible for the operation and maintenance of structural BMPs shall submit an annual monitoring report to the Environmental Compliance Officer. The Environmental Compliance Officer shall prepare an annual report for structural BMPs operated and maintained by 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 MS4		✔	✔	✔	✔	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 measureable 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 Best Management Practices detailed below and managed through the Director of Airport Operations and the Environmental Compliance Officer. Training materials developed locally and those available through 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. 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.
b. Inspection and evaluation of 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.
c. Conduct staff training	Conduct staff training specific for pollution prevention and good housekeeping procedures.
d. Review of NCGTP owned or operated regulated industrial activities	Conduct annual review of the industrial activities with a Phase I NPDES permit 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 Phase I permit and the results of inspections and subsequent follow-up actions.
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. Develop an operation and maintenance program: The NCGTP will develop and implement an operation and maintenance program that includes a training component and has the ultimate goal of reducing pollutant runoff from municipal operations. Initially it will be important to meet with appropriate personnel within each operation. Such meetings will provide a forum to gather information about field activities and potential impacts, review operation and maintenance procedures, and discuss cooperative roles for updating good housekeeping programs and making improvements. Observations of field activities that potentially impact the storm sewer system will also be a key part of developing operation and maintenance programs. Seeing activities take place first-hand and obtaining input from field employees will provide important information

that may not be obtained during an office meeting. Existing operation and maintenance programs will be reviewed in terms of how well they address impacts to the storm sewer system and subsequently updated if necessary. Where programs are lacking or deficient, the Environmental Compliance Officer will work with appropriate personnel to develop programs and procedures as well as to conduct training of field employees on how to properly implement the programs and procedures.

b. Inspection and evaluation of facilities and operations*:* All parcels of land owned or operated by the NCGTP will be examined to determine whether they will be included in the inventory of sites for inclusion in the Pollution Prevention and Good Housekeeping for NCGTP Operations Program. Facilities on the final inventory have one or more buildings, stormwater drainage to the MS4, and a potential to generate polluted stormwater runoff. These facilities will be inspected annually, have Stormwater Pollution Prevention Plans (SPPP) prepared and implemented, and their employees will be trained on a regular basis.

The SPPP developed for each facility will include:

1. Site Plan
2. Storm Water Management Plan (SWMP)
3. Spill Prevention and Response Plan (SPRP)
4. Preventative Maintenance and Good Housekeeping Plan
5. Training Schedule

c. Conduct staff training*:* Training materials developed locally and those available through EPA will be used to develop a comprehensive training program for NCGTP staff and tenants. 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. Development of the training program will be completed by March 1, 2013; initial training of NCGTP staff will be completed by March 1, 2014.

d. Review of NCGTP owned or operated regulated industrial activities*:* All facilities owned and operated by the NCGTP will be evaluated to determine whether they are subject to NPDES Phase I permit requirements. If the facilities are determined to be subject, the appropriate individual or general permit will be acquired. Annual reviews of facilities that are subject to NPDES Phase I 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.

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

- Include 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;

- Describe and ensure implementation of practices used to eliminate or reduce pollutants in stormwater discharges;
- Evaluate 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.
- Evaluate whether excessive application of deicing chemicals occurs and adjust as necessary, consistent with considerations of flight safety.
- Develop and implement a plan for the minimization of the release of materials used for de-icing into the stormwater system. This plan shall include:

    - 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 Stormwater Plan will include documentation of all program components that are being undertaken including inspections, maintenance activities, educational programs, monitoring and sampling, implementation of Best Management Practices (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 the North Carolina Department of Environment and Natural Resources Division of Water Quality (DWQ) immediately upon request.

The Stormwater Plan will be reviewed and updated as necessary on an annual basis. The NCGTP will submit a report of the Stormwater Plan evaluation and monitoring information to DWQ 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 Stormwater Plan and will include the following components:

1. A detailed description of the status implementation of the Stormwater Plan including information on development and implementation of all components of the Stormwater Plan for the previous year and schedules and plans for the year following each report.
2. Adequately describe and justify any proposed changes to the Stormwater Plan including any descriptions and supporting information for how these changes would impact the Stormwater Plan.
3. Document any necessary changes to programs or practices for assessment of management measures implemented through the Stormwater Plan including any changes in the cost of, or funding for, the Stormwater Plan.
4. Provide a summary of data accumulated as part of the Stormwater Plan 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 Stormwater Plan.
6. Provide a summary of activities undertaken as part of the Stormwater Plan throughout the year, including any revisions or establishment of appropriate legal authorities, project assessments, inspections, enforcement actions, continued inventory and review of the stormwater 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 Stormwater Plan:

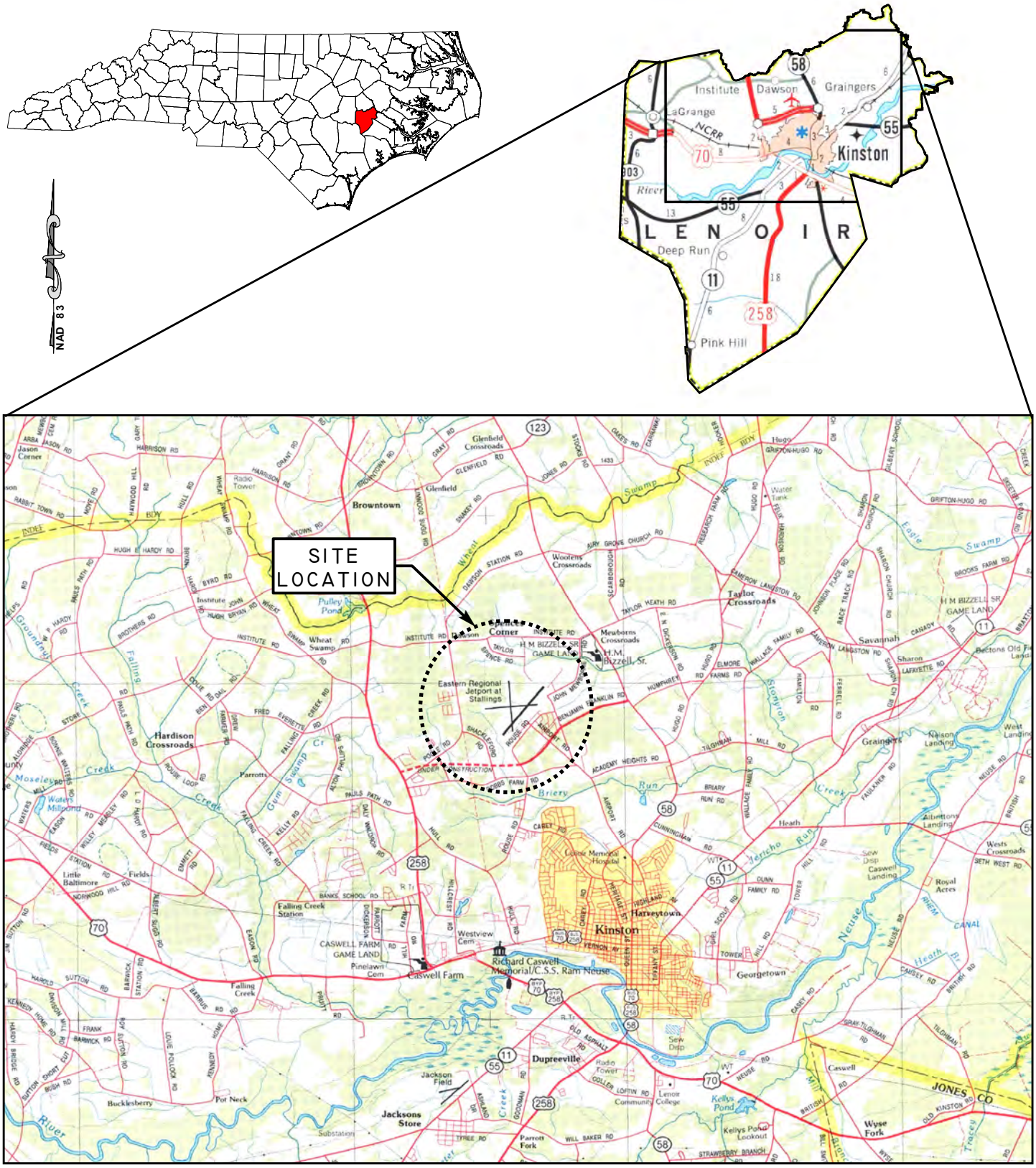
- The date, location, description, and time of the sampling, measurements, inspection, or activity;
- The individual(s) who performed the sampling, measurements, inspection or activity;
- The date(s) analyses were performed (if performed);
- The individual(s) who performed the analyses (if performed);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

10.3 Annual Reporting

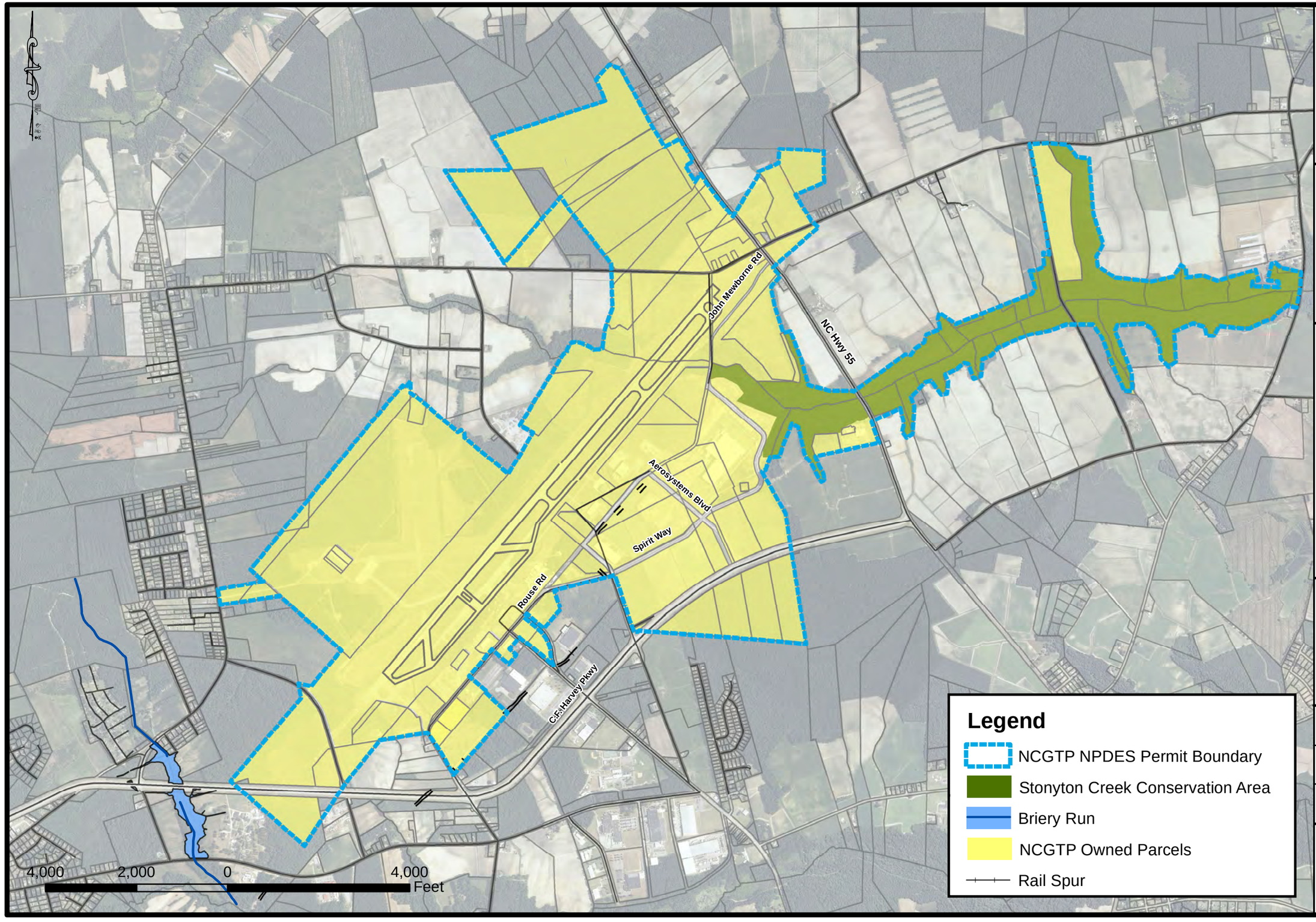
The NCGTP will submit reporting and monitoring information on an annual basis on forms provided by North Carolina Department of Environment and Natural Resources Division of Water Quality (DWQ).

10.4 Twenty-Four Hour Reporting

The NCGTP will report to DWQ 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 DWQ with a written submission within 5 days of the noncompliance.



ATKINS	NORTH CAROLINA GLOBAL TRANSPARK	**NCGTP SITE LOCATION** **NCGTP Stormwater Management Plan** **Lenoir County, North Carolina**	Dwn By: ARE / Ckd By: REF Date: JAN 2012 Scale: 1:150,000 Project No: 100017861	**FIGURE** 1



ATKINS

Client:

NORTH CAROLINA GLOBAL TRANSPARK

Project:

NCGTP Stormwater Management Plan

Lenoir County, North Carolina

Title:

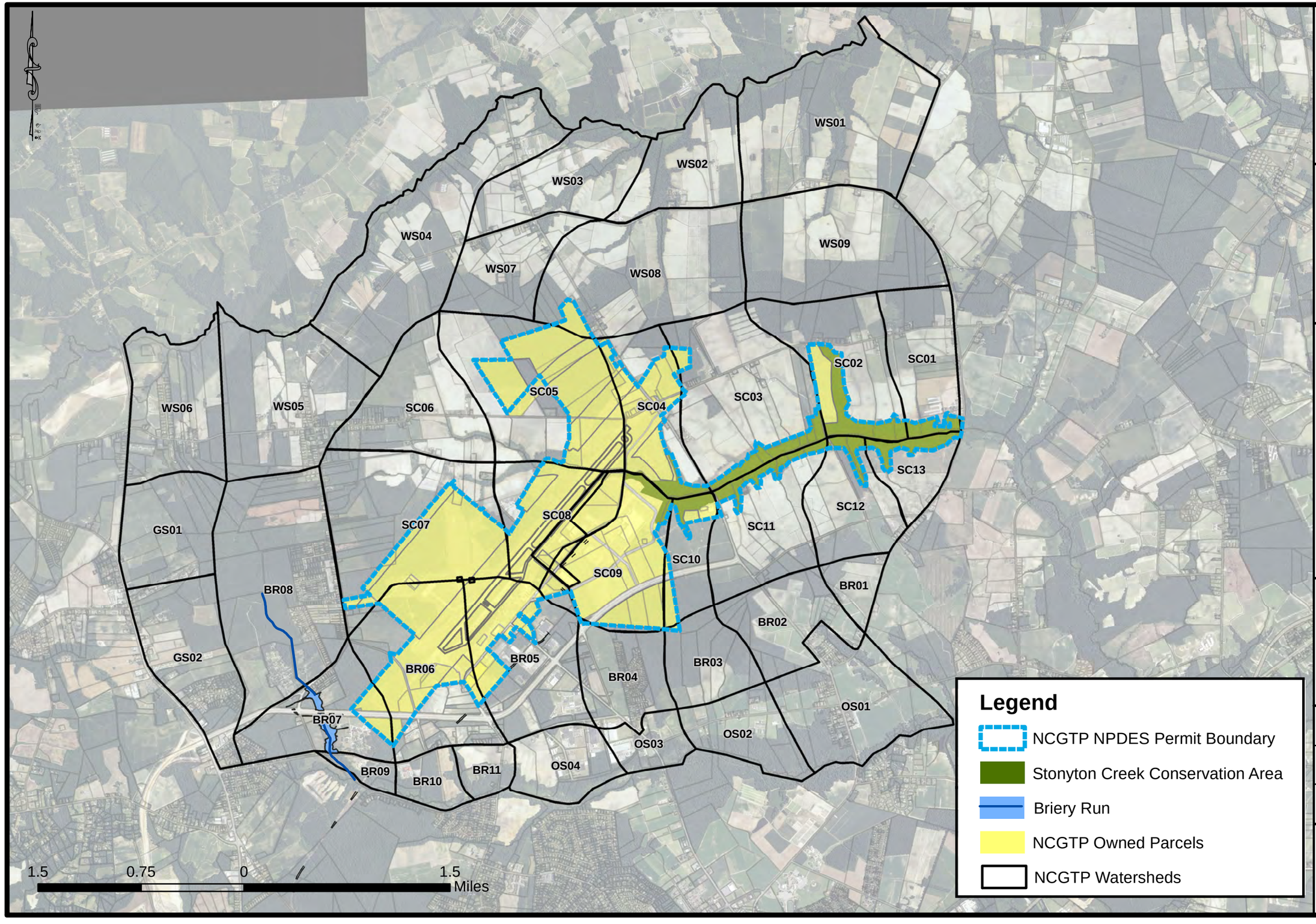
NPDES Stormwater Permit Area

Dwn By:	Ckd By:
ARE	REF
Date:	Scale:
JAN 2012	1:24,000

Project No.: 100017861

FIGURE

2



ATKINS

Client:

NORTH CAROLINA GLOBAL TRANSPARK

Project:

NCGTP Stormwater Management Plan

Lenoir County, North Carolina

Title:

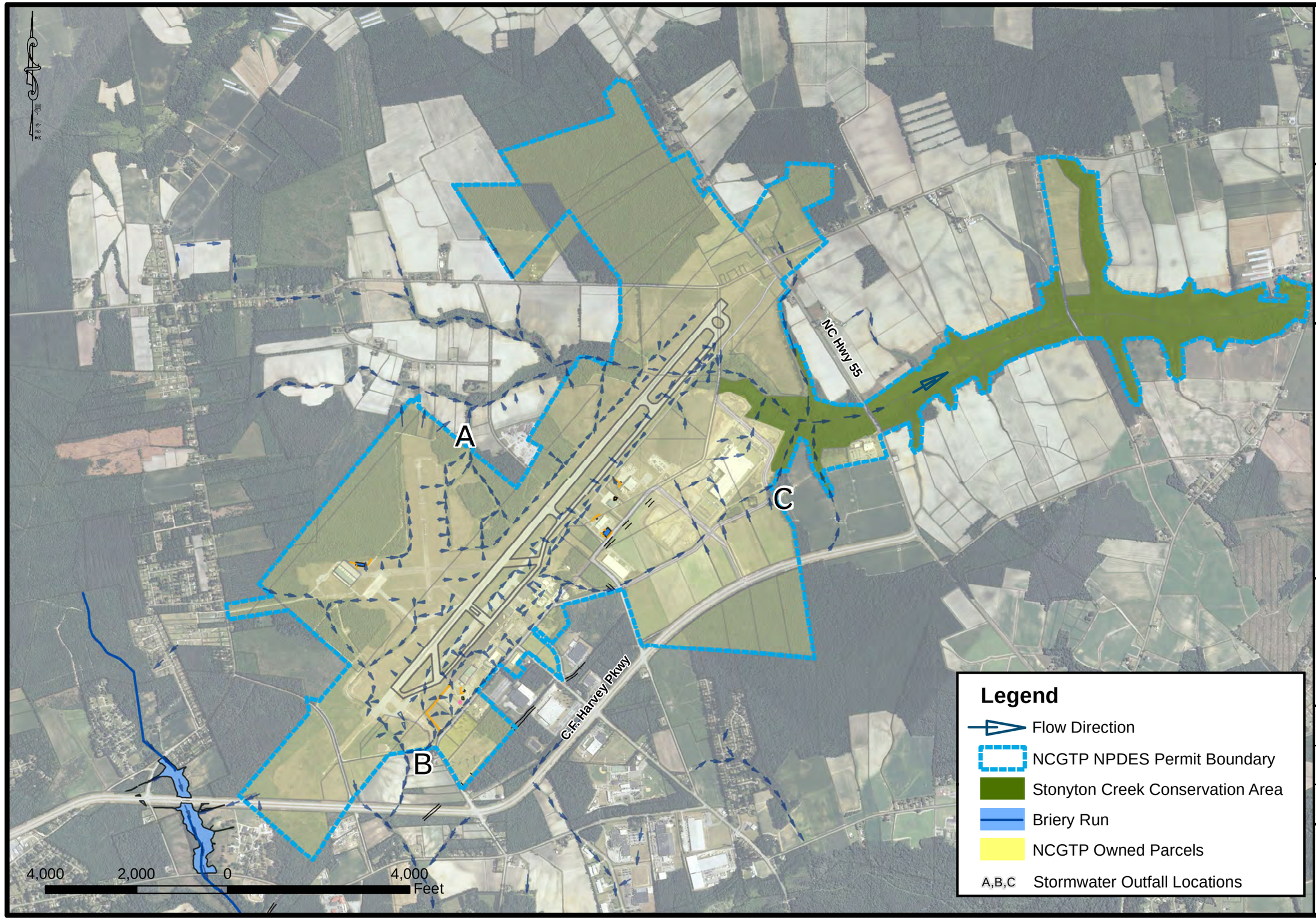
Preliminary Watersheds

Dwn By:	Ckd By:
ARE	REF
Date:	Scale:
JAN 2012	1:42,000

Project No.: 100017861

FIGURE

3



ATKINS

Client:

NORTH CAROLINA GLOBAL TRANSPARK

Project:

NCGTP Stormwater Management Plan

Lenoir County, North Carolina

Title:

MS4 Collection System

Dwn By:	Ckd By:
ARE	REF
Date:	Scale:
JAN 2012	1:24,000

Project No.: 100017861

FIGURE

4

Appendix A

Stormwater Control and Watercourse Buffer Ordinance

NCGTPA
Exclusive Development Ordinance

Adopted by the Executive Committee March 16, 2007

Amended April 14, 2010 and Approved by the Executive Committee August 6, 2010
Amended by the Executive Committee March 23, 2011

North Carolina
Global TransPark®

The Wooten Company
Raleigh/Greenville/Hickory/Asheboro, NC

C-1-5 Stormwater Control and Watercourse Buffer Ordinance

Section 1. Title; Purpose.

(a) Title. This chapter shall constitute and be known and may be cited as the "Stormwater Control and Watercourse Buffer Ordinance" of the North Carolina Global TransPark (NCGTP).

(b) Purpose. This section is intended to protect water quality in the Neuse River Basin from additional nitrogen pollution generated from new development and to preserve existing riparian buffers in that basin. To achieve these purposes, this section establishes performance standards that: limit the amount of nitrogen in stormwater runoff; controls stormwater peak runoff rates; promotes the use of best management practices; and protects existing riparian buffers.

Section 2. Definitions.

As used in this chapter, unless the context clearly indicates otherwise, the terms, phrases and words, and their derivatives, have the meaning given herein:

Best Management Practice or BMP. Stormwater and runoff pollution control devices or practices designed to reduce the amount of flow or pollutants contained in discharges to the stormwater conveyance system and receiving waters, which meet standards outlined in the North Carolina Division of Water Quality *Stormwater Best Practices Manual,* July 2007*.*

Buffer. An area of natural or planted vegetation through which stormwater runoff flows in a diffuse manner so that the runoff does not become channelized and which provides for infiltration of the runoff and filtering of pollutants. The buffer is measured landward from the normal pool elevation of impounded structures and from the bank of each side of streams and rivers.

Environmental Compliance Officer. A person or company retained by NCGTP to review and implement the NCGTP stormwater master plan. All NCGTP development plans must be submitted to the Environmental Compliance Officer for review and approval before commencing construction.

Ephemeral (Stormwater) Stream. A feature that carries only stormwater in direct response to precipitation with waters flowing only during and shortly after large precipitation events. An ephemeral stream may or may not have a well-defined channel, the aquatic bed is always above the water table, and stormwater runoff is the primary source of water. An ephemeral stream typically lacks the biological, hydrological, and physical characteristics commonly associated with the continuous or intermittent conveyance of water.

Impervious Surface. Any material that significantly reduces and prevents natural infiltration of water into the soil. Impervious surfaces include but are not limited to roofs, patios, balconies, decks, streets, parking areas, driveways, sidewalks, and any concrete stone, brick, asphalt, or compacted gravel surface.

Intermittent Stream. A well-defined channel that contains water for only part of the year, typically during winter and spring when the aquatic bed is below the water table. The flow may be heavily supplemented by stormwater runoff. An intermittent stream often lacks the biological and hydrological characteristics commonly associated with the conveyance of water.

Land-Disturbing Activity. Any use of the land by any person in recreational, industrial, educational, service, institutional, office, industrial, or commercial development, road construction and maintenance that results in a change in the natural cover or topography or alters the natural structure of the land mass and that causes or contributes to sedimentation.

Maintain or Maintenance. Any action necessary to keep stormwater control measures and devices in proper working condition, so that such facilities shall continue to comply with the standards of this chapter to prevent failure of stormwater control measures and devices and functions as intended. Maintenance includes activities undertaken to prevent failure of stormwater control measures and devices, and includes maintenance activities identified in approved stormwater control plans and maintenance manuals, and the North Carolina Division of Water Quality *Stormwater Best Practices Manual*, July 2007.

New Development. Any development for a project requiring site plan approval or similar approvals by the NCGTP, which, in the case of office, institutional, commercial, or industrial development will result in land disturbance of greater than one-half acre. New development shall include redevelopment but shall not include agriculture, mining or forestry activities.

North Carolina Global TransPark (NCGTP). That entity created by enabling legislation in 1991 (NCGS Chapter 63A) to perform essential governmental and public functions related to development of an air cargo facility in Kinston North Carolina. The NCGTP Authority Board (the Authority) is the governing body for the TransPark.

Off-Site Stormwater Control Facilities. The overall design, construction and maintenance of one (1) or more devices and measures and associated drainage easements, conduits, inlets, channels, pipes and ditches, filters, buffers, bioretention areas, and ponds necessary to collect, convey, store, and control stormwater runoff and pollutants from more than one (1) development site. Stormwater control facilities serving contiguous properties consisting of more than one (1) tenant site are examples of off-site stormwater control facilities.

On-Site Stormwater Control Facilities. The overall design, construction and maintenance of one (1) or more devices and measures and associated drainage easements, conduits, inlets, channels pipes, ditches, filters, buffers, bioretention areas, stormwater wetlands, and ponds necessary to collect, convey, store, and control stormwater runoff and pollutants within and for a single tenant site**.**

Perennial Stream. A well-defined channel that contains water year round during a year of normal rainfall with the aquatic bed located below the water table for most of the year. Groundwater is the primary source of water for a perennial stream, but it also carries stormwater runoff. A perennial stream exhibits the typical biological, hydrological, and physical characteristics commonly associated with the continuous conveyance of water.

Pre-Development Conditions. The land use, drainage, and impervious surface conditions existing on the site at the time plans are submitted for approval.

Post-Development Conditions. Pre-development conditions together with the land use**,** drainage and impervious conditions that would exist on the site if all proposed development plans for the site are fully completed.

North Carolina Division of Quality *Stormwater Best Practices Manual*, July 2007. A manual adopted by the NCGTP by reference, as fully set forth in this section which includes plan and data submission requirements, presents design procedures and criteria for conducting natural, hydrologic and hydraulic evaluations, best management

practice designs, standards for managing the volume and quality of stormwater runoff, and standards.

Regional Stormwater Control Facilities. The overall design, construction and maintenance of measures and devices and associated drainage easements, conduits, inlets, channels, pipes, ditches, filters, buffers, bioretention areas, and ponds necessary to collect, convey, store, and control stormwater runoff and pollutants within or outside a development and for one (1) or more developments, as shown on the NCGTP stormwater master plan and approved by the North Carolina Division of Water Quality.

Riparian Surface Water. Actual surface water that is shown as a feature on either the most recent version of (a) the Lenoir County soil survey map prepared by the Natural Resources Conservation Service of the United States Department of Agriculture; or (b) the most recent version of the 1:24,000 scale (7.5 minute) quadrangle topographic maps prepared by the United States Geologic Survey (USGS) except for the following surface waters:

(1) Man-made channels, such as ditches and canals, other than a modified natural stream.

(2) Man-made ponds and lakes located outside natural drainage ways.

(3) Ephemeral (stormwater) streams.

Stormwater Master Plan. A conceptual plan approved by the NCGTP Authority and the North Carolina Division of Water Quality, which establishes stormwater control policies and recommendations for all land owned or controlled by NCGTP. This plan may be expanded as additional property is acquired, or may include an entire watershed or region as an alternative to individual site specific stormwater control plans. This expansion of jurisdiction will only be implemented upon approval by the NCGTP Authority, with concurrence from the North Carolina Division of Water Quality. The purpose of the stormwater master plan is to meet or exceed stormwater requirements of the Neuse River Basin Nutrient Sensitive Waters Management Strategy in a more coordinated and cost effective manner through the use of regional stormwater control facilities as opposed to the exclusive use of on-site or off-site stormwater control facilities.

Stormwater Control Plan. The set of drawings and other documents that comprise all of the information and specifications for the drainage systems, structures, concepts, techniques, measures and devices that will be used to control nitrogen loads and stormwater runoff on a site specific basis as required by this chapter and the North Carolina Division of Water Quality *Stormwater Best Practices Manual*, July 2007. Also included are the supporting engineering calculations, input data for any computer analyses, and results of any computer analyses.

Section 3. Applicability

All new development within the NCGTP complex shall, prior to the approval of a site plan or similar plan of any type, comply with the requirements of the Neuse River Basin Nutrient Sensitive Waters Management Strategy as specified in 15A NCAC 2B .0233, .0235, .0240 and .0242 and these regulations herein. In addition, each new development will be required to submit a site specific Stormwater Control Plan prior to commencement of construction. Where these requirements conflict with or differ from other regulatory requirements including, but not limited to, the NCGTP stormwater master plan or Lenoir County, the stricter of the requirements shall control.

It is the intent of the NCGTP Authority to regulate stormwater and tenant usage on a regional or watershed basis. Initially, NCGTP will regulate tenants on lands owned and controlled by NCGTP, with options to expand jurisdiction based on additional property acquisitions, or within the defined watershed surrounding NCGTP. A stormwater master plan will define implementation strategies. Any expansion of jurisdiction is subject to review by the North Carolina Division of Water Quality.

Section 4. Nitrogen Control Requirements.

(a) Compliance with State Standards. No new development or expansion of an existing development, use, facility, building, structure, nor any new or expanded vehicular surface area shall contribute a nitrogen export load exceeding ten (10) pounds per acre per year per project at an individual tenant site. Cumulative development loads will not exceed three and six-tenths (3.6) pounds per acre per year for the entire NCGTP complex.

(b) Alternate Means of Compliance

(1) Utilize NCGTP Nitrogen Allocations. The NCGTP proposes to utilize current nitrogen allocations for the entire NCGTP complex primarily to meet NCGTP facility and infrastructural needs. Developers shall have the option of requesting access to remaining NCGTP nitrogen allocations from the NCGTP Environmental Compliance Officer. Access to and use of NCGTP nitrogen allocations is at the discretion of the NCGTP Executive Director, with approval by the Authority, and may not exceed the total allocation for the entire NCGTP complex.

(2) Payment to North Carolina Riparian Buffer Restoration Fund or other Third Party Mitigation Providers. Developers shall have the option of offsetting their nitrogen export load limitations of subsection (a) above by paying monies to the North Carolina Riparian Buffer Restoration Fund based on the latest fee adopted by the State or engage other third party mitigation providers approved by NCGTP and the North Carolina Division of Water Quality. A one-time offset payment may be paid to bring the nitrogen export load down from ten (10) pounds per acre per year to three and six-tenths (3.6) pounds per acre per year. Installation of NCGTP approved on-site stormwater control facilities or payments or a combination of both may be used.

(3) Stormwater Master Plan. Developments that comply with the NCGTP stormwater master plan approved for NCGTP may be exempted from the requirements of subsection (a) above. Compliance with the stormwater master plan shall include the installation within the development of all stormwater control measures shown in the stormwater master plan, approved use of regional stormwater control facilities, payment of fees in lieu of installation when allowed by NCGTP or the North Carolina Division of Water Quality, use of NCGTP nitrogen allocations if allowed by the NCGTP, and payment of any applicable drainage fees.

(c) Procedures. The nitrogen export calculations shall be made using procedures outlined in the North Carolina Division of Water Quality *Stormwater Best Practices Manual,* July 2007.

(d) Time of Submission. The applicant shall submit nitrogen export calculations for

pre-development and post-development conditions at each tenant site or for each project and demonstrate compliance with this section prior to the approval of a site plan of any type, as part of plan submission. All calculations are to be reviewed by the NCGTP Environmental Compliance Officer.

(e) Approved BMPs.

(1) **The Best Management Practices** that may be used to reduce nitrogen in stormwater runoff include but are not limited to the following: wet detention ponds, constructed wetlands, open channel practices (water quality swales), riparian buffers, vegetated filter strips with level speader, bioretention cells (rain gardens), and sand filters. The BMP nitrogen removal efficiencies shall be as listed in the North Carolina Division of Water Quality *Stormwater Best Practices Manual,* July 2007. Use of all BMP measures is subject to review and approval by the NCGTP Environmental Compliance Officer.

(2) **Proprietary or Demonstration BMPs** must be approved by the NCGTP Environmental Compliance Officer, with concurrence from the North Carolina-Division of Water Quality for general use and must be designed in accordance with any guidelines established by the Division, and any manufacturer's guidelines and specifications that are not inconsistent with the Division's guidelines.

Section 5. Peak Runoff Control Requirements.

(a) Standards. New development must discharge the storage volume at a rate equal to or less than the pre-development peak runoff rate for the one year, 24-hour storm event. If the post-development peak runoff rate does exceed pre-development rates, on-site stormwater control facilities shall be provided such that there is no net increase.

(b) Procedures. The peak flow calculations shall be made using procedures outlined in the North Carolina Division of Water Quality *Stormwater Best Practices Manual,* July 2007.

(c) Time of Submission. The applicant shall submit peak flow calculations for the pre-development and post-development conditions prior to the approval of a site plan of any type as part of plan submission. All calculations are subject to review and approval by the NCGTP Environmental Compliance Officer**.**

(d) Exemptions. New development is exempted from these peak runoff control requirements if the overall impervious surface within the development is less than fifteen (15) percent and the remaining pervious portions of the site are utilized to the maximum extent practical to convey and control the stormwater runoff, as determined by the NCGTP Environmental Compliance Officer.

(e) Stormwater Master Plan. Developments that comply with the stormwater master plan approved for NCGTP may be exempted from the requirements of section (a) above. Compliance with the NCGTP stormwater master plan shall include the installation within the development of all on-site stormwater control facilities shown in the stormwater master plan, payment of fees in lieu of installation, , and payment of any applicable drainage fees.

Section 6. Stormwater Control Plan.

(a) General Requirements. The Stormwater Control Plan for each facility shall be

designed to meet the requirements of the Neuse River Basin - Nutrient Sensitive Waters Management Strategy (15A NCAC 2B .0235 4(a)(i) and (ii). All structural BMPs shall be designed and maintained in accordance with the North Carolina Division of Water Quality *Stormwater Best Practices Manual*, July 2007.

(b) Maintenance Manual and Budget. The Stormwater Control Plan shall include an operation and maintenance manual and proposed budget.The maintenance manual shall contain a narrative describing each installed measure and device and design specifications. The maintenance manual shall indicate for each installed measure and device what operation and maintenance actions are needed and what specific quantitative criteria will be used to determine when these actions will be taken. The budget shall include both annual costs, and a fund for structural and vegetative replacement, periodic sediment and contaminant removal, major repairs and replacement.

Section 7. Buffer Requirements.

(a) Buffer. The applicant shall show on all site development plans, 50-foot wide riparian buffers directly adjacent to riparian surface waters (perennial and intermittent streams, lakes, ponds and estuaries) as defined in Section 2 unless exempted by the North Carolina Division of Water Quality. Exemptions will be coordinated between the NCGTP Environmental Compliance Officer and the Division of Water Quality and subsequently documented.

(b) Calculation Next To Riparian Surface Water. For streams, ponds, lakes, or similar impoundments, the buffer shall begin at the most landward limit of the normal water level (top of the bank for intermittent and perennial streams) and extend landward, measured horizontally on a line perpendicular to the surface water.

(c) No Impact/Determination. The applicant shall demonstrate that the new development does not impact the Neuse buffer. Land disturbing activities that may impact Neuse Buffer systems are subject to review by the NCGTP Environmental Compliance Officer and will be coordinated with the North Carolina Division of Water Quality prior to impact approval.

Section 8. Incorporation of the North Carolina Division of Water Quality Stormwater Best Practices Manual, July 2007.

The North Carolina Division of Water Quality *Stormwater Best Practices Manual*, July 2007, and amendments thereto, are hereby adopted by reference as fully as though set forth herein. If any standard, requirement, or procedure in this manual is in conflict with any provision of this ordinance, then the most stringent shall apply**.** The North Carolina Division of Water Quality *Stormwater Best Practices Manual,* July 2007 is available at:

http://h2o.enr.state.nc.us/su/documents/BMPManual_WholeDocument_CoverRevisedDec2007.pdf

Appendix B

Illicit Discharge and Connection Stormwater Ordinance (Draft)

Illicit Discharge and Connection Stormwater Ordinance
For The
North Carolina Global TransPark Authority

SECTION 1. PURPOSE/INTENT.

The purpose of this ordinance is to provide for the health, safety, and general welfare through the regulation of non-storm water discharges to the storm drainage system to the maximum extent practicable as required by federal and state law. This ordinance establishes methods for controlling the introduction of pollutants into the North Carolina Global TransPark Authority (NCGTPA) Storm Drainage System in order to comply with requirements of the National Pollutant Discharge Elimination System (NPDES) permit and promote activities directed toward the maintenance and improvement of surface and ground water quality. The objectives of this ordinance are:

(1) To regulate the contribution of pollutants to the NCGTPA Storm Drainage System by stormwater discharges by any user

(2) To prohibit Illicit Connections and Discharges to the NCGTPA Storm Drainage System

(3) To establish legal authority to carry out all inspection, surveillance and monitoring procedures necessary to ensure compliance with this ordinance

SECTION 2. DEFINITIONS.

For the purposes of this ordinance, the following shall mean:

Authorized Enforcement Agent. Any one of the employees or designees of the Executive Director of the NCGTPA designated to enforce this ordinance.

Best Management Practices (BMPs). Schedules of activities, prohibitions of practices, general good house keeping practices, pollution prevention and educational practices, maintenance procedures, and other management practices to prevent or reduce the discharge of pollutants directly or indirectly to stormwater, receiving waters, or stormwater conveyance systems. BMPs also include treatment practices, operating procedures, and practices to control site runoff, spillage or leaks, sludge or water disposal, or drainage from raw materials storage.

Clean Water Act. The federal Water Pollution Control Act (33 U.S.C. § 1251 et seq.), and any subsequent amendments thereto.

Construction Activity. Activities subject to NPDES Construction Permits. These include

construction projects resulting in land disturbance of 5 acres or more. Such activities include but are not limited to clearing and grubbing, grading, excavating, and demolition.

Hazardous Materials. Any material, including any substance, waste, or combination thereof, which because of its quantity, concentration, or physical, chemical, or infectious characteristics may cause, or significantly contribute to, a substantial present or potential hazard to human health, safety, property, or the environment when improperly treated, stored, transported, disposed of, or otherwise managed.

Illegal Discharge. Any direct or indirect non-storm water discharge to the storm drain system, except as exempted in Section X of this ordinance.

Illicit Connections. An illicit connection is defined as either of the following:

i) Any drain or conveyance, whether on the surface or subsurface, which allows an illegal discharge to enter the storm drain system including but not limited to any conveyances which allow any non-storm water discharge including sewage, process wastewater, and wash water to enter the storm drain system and any connections to the storm drain system from indoor drains and sinks, regardless of whether said drain or connection had been previously allowed, permitted, or approved by an authorized enforcement agency or,

ii) Any drain or conveyance connected from a commercial or industrial land use to the storm drain system which has not been documented in plans, maps, or equivalent records and approved by an authorized enforcement agency.

Industrial Activity. Activities subject to NPDES Industrial Permits as defined in 40 CFR, Section 122.26 (b) (14).

National Pollutant Discharge Elimination System (NPDES) Storm Water Discharge Permit. A permit issued by EPA (or by a State under authority delegated pursuant to 33 USC § 1342(b)) that authorizes the discharge of pollutants to waters of the United States, whether the permit is applicable on an individual, group, or general area-wide basis.

Non-Storm Water Discharge. Any discharge to the storm drain system that is not composed entirely of storm water.

Person. Any individual, association, organization, partnership, firm, corporation or other entity recognized by law and acting as either the owner or as the owner's agent.

Pollutant. Anything which causes or contributes to pollution. Pollutants may include, but are not limited to: paints, varnishes, and solvents; oil and other automotive fluids; non-hazardous liquid and solid wastes and yard wastes; refuse, rubbish, garbage, litter, or other discarded or abandoned objects, ordinances, and accumulations, so that same may cause or contribute to pollution; floatables; pesticides, herbicides, and fertilizers; hazardous substances and wastes; sewage, fecal coliform and pathogens; dissolved and particulate metals; animal wastes; wastes and residues that result from constructing a building or structure; and noxious or offensive matter of any kind.

Premises. Any building, lot, parcel of land, or portion of land whether improved or unimproved including adjacent sidewalks and parking strips located at the NC Global TransPark (NCGTP) and

owned or managed by the NCGTPA.

State. The State of North Carolina and its constituent agencies.

Storm Drainage System. NCGTPA owned facilities by which storm water is collected and/or conveyed, including but not limited to any roads with drainage systems, streets, gutters, curbs, inlets, piped storm drains, pumping facilities, retention and detention basins, natural and human-made or altered drainage channels, reservoirs, and other drainage structures.

Storm Water. Any surface flow, runoff, and drainage consisting entirely of water from any form of natural precipitation, and resulting from such precipitation.

Stormwater Pollution Prevention Plan (SWPP). A document which describes the Best Management Practices and activities to be implemented by a person or business to identify sources of pollution or contamination at a site and the actions to eliminate or reduce pollutant discharges to Stormwater, Stormwater Conveyance Systems, and/or Receiving Waters to the Maximum Extent Practicable.

Wastewater. Any water or other liquid, other than uncontaminated storm water, discharged from a facility.

SECTION 3. APPLICABILITY.

This ordinance shall apply to all water entering the Storm Drainage System generated on any developed and undeveloped lands unless explicitly exempted by an authorized enforcement agency.

SECTION4. RESPONSIBILITY FOR ADMINISTRATION.

The North Carolina Global TransPark Authority (NCGTPA) shall administer, implement, and enforce the provisions of this ordinance. Any powers granted or duties imposed upon the authorized enforcement agency may be delegated in writing by the Executive Director of the NCGTPA to persons or entities acting in the beneficial interest of or in the employ of the agency.

SECTION 5. SEVERABILITY.

The provisions of this ordinance are hereby declared to be severable. If any provision, clause, sentence, or paragraph of this Ordinance or the application thereof to any person, establishment, or circumstances shall be held invalid, such invalidity shall not affect the other provisions or application of this Ordinance.

SECTION 6. ULTIMATE RESPONSIBILITY.

The standards set forth herein and promulgated pursuant to this ordinance are minimum standards; therefore this ordinance does not intend nor imply that compliance by any person will ensure that there will be no contamination, pollution, nor unauthorized discharge of pollutants.

SECTION 7. DISCHARGE PROHIBITIONS.

Prohibition of Illegal Discharges.
No person shall cause or allow the discharge, emission, disposal, pouring, or pumping directly or indirectly to any stormwater conveyance, the water of the State, or upon the land in such proximity to the same (such that the substance is likely to reach a stormwater conveyance or waters of the State), any fluid, solid, gas, or other substance, other than stormwater; provided that the non-stormwater discharges listed below are allowed provided that they do not significantly impact water quality.

The commencement, conduct or continuance of any illegal discharge to the Storm Drainage System is prohibited except as described as follows:

(a) The following discharges are exempt from discharge prohibitions established by this ordinance: water line flushing or other potable water sources, landscape irrigation or lawn watering, diverted stream flows, rising ground water, ground water infiltration to storm drains, uncontaminated pumped ground water, foundation or footing drains (not including active groundwater dewatering systems), crawl space pumps, air conditioning condensation, springs, non-commercial washing of vehicles, natural riparian habitat or wet-land flows, swimming pools (if dechlorinated - typically less than one PPM chlorine), fire fighting activities, and any other water source not containing Pollutants.

(b) Discharges specified in writing by the authorized enforcement agency as being necessary to protect public health and safety.

(c) Dye testing is an allowable discharge, but requires a verbal notification to the authorized enforcement agency prior to the time of the test.

(d) The prohibition shall not apply to any non-storm water discharge permitted under an NPDES permit, waiver, or waste discharge order issued to the discharger and administered under the authority of the Federal Environmental Protection Agency, provided that the discharger is in full compliance with all requirements of the permit, waiver, or order and other applicable laws and regulations, and provided that written approval has been granted for any discharge to the Storm Drainage System.

Prohibition of Illicit Connections.
The construction, use, maintenance or continued existence of illicit connections to the storm drain system is prohibited.

(a) Connections to a stormwater conveyance or stormwater conveyance system which allow the discharge of non-stormwater, other than the exclusions described in Section 7 above, are unlawful. Prohibited connections include, but are not limited to: floor drains, waste water from washing machines or sanitary sewers, wash water from commercial vehicle washing or steam cleaning, and waste water from septic systems.

(b) This prohibition expressly includes, without limitation, illicit connections made in the past, regardless of whether the connection was permissible under law or practices applicable or prevailing at the time of connection.

(c) A person is considered to be in violation of this ordinance if the person connects a line conveying sewage to the Storm Drainage System, or allows such a connection to continue.

SECTION 8. SUSPENSION OF ACCESS TO STORM DRAINAGE SYSTEM.

Suspension due to Illicit Discharges in Emergency Situations

The NCGTPA may, without prior notice, suspend access to the Storm Drainage System to a person when such suspension is necessary to stop an actual or threatened discharge which presents or may present imminent and substantial danger to the environment, or to the health or welfare of persons, or to the Storm Drainage System or Waters of the United States. If the violator fails to comply with a suspension order issued in an emergency, the authorized enforcement agency may take such steps as deemed necessary to prevent or minimize damage to the Storm Drainage System or Waters of the United States, or to minimize danger to persons.

Suspension due to the Detection of Illicit Discharge

Any person discharging to the Storm Drainage System in violation of this ordinance may have their Storm Drainage System access terminated if such termination would abate or reduce an illicit discharge. The authorized enforcement agency will notify a violator of the proposed termination of its Storm Drainage System access. The violator may petition the authorized enforcement agency for a reconsideration and hearing.

A person commits an offense if the person reinstates access to the Storm Drainage System terminated pursuant to this Section, without the prior approval of the authorized enforcement agency.

SECTION 9. INDUSTRIAL OR CONSTRUCTION ACTIVITY DISCHARGES.

Any person subject to an industrial or construction activity NPDES storm water discharge permit shall comply with all provisions of such permit. Proof of compliance with said permit may be required in a form acceptable to the NCGTPA prior to the allowing of discharges to the Storm Drainage System.

SECTION 10. MONITORING OF DISCHARGES

A. Applicability.
This section applies to all facilities that have storm water discharges associated with industrial activity, including construction activity.

B. Access to Facilities.

(a) The NCGTPA shall be permitted to enter and inspect facilities subject to regulation under this ordinance as often as may be necessary to determine compliance with this ordinance. If a discharger has security measures in force which require proper identification and clearance before entry into its premises, the discharger shall make the necessary arrangements to allow access to representatives of the authorized enforcement agency.

(b) Facility operators shall allow the NCGTPA ready access to all parts of the premises for the purposes of inspection, sampling, examination and copying of records that must be kept under the conditions of an NPDES permit to discharge storm water, and the performance of any additional duties as defined by state and federal law.

(c) The NCGTPA shall have the right to set up on any permitted facility such devices as are necessary in the opinion of the authorized enforcement agency to conduct monitoring and/or sampling of the facility's storm water discharge.

(d) The NCGTPA has the right to require the discharger to install monitoring equipment as necessary. The facility's sampling and monitoring equipment shall be maintained at all times in a safe and proper operating condition by the discharger at its own expense. All devices used to measure stormwater flow and quality shall be calibrated to ensure their accuracy.

(e) Any temporary or permanent obstruction to safe and easy access to the facility to be inspected and/or sampled shall be promptly removed by the operator at the written or oral request of the NCGTPA and shall not be replaced. The costs of clearing such access shall be borne by the operator.

(f) Unreasonable delays in allowing the NCGTPA access to a permitted facility is a violation of a storm water discharge permit and of this ordinance. A person who is the operator of a facility with a NPDES permit to discharge storm water associated with industrial activity commits an offense if the person denies the authorized enforcement agency reasonable access to the permitted facility for the purpose of conducting any activity authorized or required by this ordinance.

(g) If the NCGTPA has been refused access to any part of the premises from which stormwater is discharged, and he/she is able to demonstrate probable cause to believe that there may be a violation of this ordinance, or that there is a need to inspect and/or sample as part of a routine inspection and sampling program designed to verify compliance with this ordinance or any order issued hereunder, or to protect the overall public health, safety, and welfare of the community, then the NCGTPA may seek issuance of a search warrant from any court of competent jurisdiction.

SECTION 11. REQUIREMENT TO PREVENT, CONTROL, AND REDUCE STORM WATER POLLUTANTS BY THE USE OF BEST MANAGEMENT PRACTICES.

The NCGTPA will adopt requirements identifying Best Management Practices for any activity, operation, or facility which may cause or contribute to pollution or contamination of storm water, the Storm Drainage System, or waters of the U.S. The owner or operator of a commercial or industrial establishment shall provide, at their own expense, reasonable protection from accidental discharge of prohibited materials or other wastes into the NCGTPA Storm Drainage System or watercourses through the use of these structural and non-structural BMPs. Further, any person responsible for a property or premise, which is, or may be, the source of an illicit discharge, may be required to

implement, at said person's expense, additional structural and non-structural BMPs to prevent the further discharge of pollutants to the NCGTPA Storm Drainage System. Compliance with all terms and conditions of a valid NPDES permit authorizing the discharge of storm water associated with industrial activity, to the extent practicable, shall be deemed compliance with the provisions of this section. These BMPs shall be part of a stormwater pollution prevention plan (SWPP) as necessary for compliance with requirements of the NPDES permit.

SECTION12. WATERCOURSE PROTECTION.

Every person owning property through which a watercourse passes, or such person's lessee, shall keep and maintain that part of the watercourse within the property free of trash, debris, excessive vegetation, and other obstacles that would pollute, contaminate, or significantly retard the flow of water through the watercourse. In addition, the property owner or lessee shall maintain existing privately owned structures within or adjacent to a watercourse, so that such structures will not become a hazard to the use, function, or physical integrity of the watercourse.

SECTION 13. NOTIFICATION OF SPILLS.

Notwithstanding other requirements of law, as soon as any person responsible for a facility or operation, or responsible for emergency response for a facility or operation has information of any known or suspected release of materials which are resulting or may result in illegal discharges or pollutants discharging into storm water, the Storm Drainage System, or water of the U.S., said person shall take all necessary steps to ensure the discovery, containment, and cleanup of such release. In the event of such a release of hazardous materials said person shall immediately notify emergency response agencies of the occurrence via emergency dispatch services. In the event of a release of non-hazardous materials, said person shall notify the authorized enforcement agency in person or by phone or facsimile no later than the next business day. Notifications in person or by phone shall be confirmed by written notice addressed and mailed to the NCGTPA at 2780 Jetport Road, Suite A, Kinston, NC 28504 within three business days of the phone notice. If the discharge of prohibited materials emanates from a commercial or industrial establishment, the owner or operator of such establishment shall also retain an on-site written record of the discharge and the actions taken to prevent its recurrence. Such records shall be retained for at least three years.

SECTION 14. ENFORCEMENT.

Notice of Violation.

Whenever the NCGTPA finds that a person has violated a prohibition or failed to meet a requirement of this Ordinance, the NCGTPA may order compliance by written notice of violation to the responsible person. Such notice may require without limitation:

(a) The performance of monitoring, analyses, and reporting;

(b) The elimination of illicit connections or discharges;

(c) That violating discharges, practices, or operations shall cease and desist;

(d) The abatement or remediation of storm water pollution or contamination hazards and the restoration of any affected property;

(e) Payment of a fine to cover administrative and remediation costs; and

(f) The implementation of source control or treatment BMPs.

If abatement of a violation and/or restoration of affected property is required, the notice shall set forth a deadline within which such remediation or restoration must be completed. Said notice shall further advise that, should the violator fail to remediate or restore within the established deadline, the work will be done by a designated governmental agency or a contractor and the expense thereof shall be charged to the violator.

SECTION 15. APPEAL OF NOTICE OF VIOLATION

Any person receiving a Notice of Violation may appeal the determination of the authorized enforcement agency. The notice of appeal must be received by NCGTPA at 2780 Jetport Road, Suite A, Kinston, NC 28504 within 10 days from the date of the Notice of Violation. Hearing on the appeal before the appropriate authority or his/her designee shall take place within 15 days from the date of receipt of the notice of appeal. The decision of the NCGTPA or its designee shall be final.

SECTION 16. ENFORCEMENT MEASURES AFTER APPEAL

If the violation has not been corrected pursuant to the requirements set forth in the Notice of Violation, or, in the event of an appeal, within 10 days of the decision of the NCGTPA, then representatives of the NCGTPA shall enter upon the subject private property and are authorized to take any and all measures necessary to abate the violation and/or restore the property. It shall be unlawful for any person, owner, agent or person in possession of any premises to refuse to allow the NCGTPA or designated contractor to enter upon the premises for the purposes set forth above.

SECTION 17. COST OF ABATEMENT OF THE VIOLATION

Within 10 days after abatement of the violation, the owner of the property will be notified of the cost of abatement, including administrative costs. The property owner may file a written protest objecting to the amount of the assessment within 10 days. If the amount due is not paid within a timely manner as determined by the decision of the NCGTPA or by the expiration of the time in which to file an appeal, the charges shall become a special assessment against the property and shall constitute a lien on the property for the amount of the assessment.

Any person violating any of the provisions of this article shall become liable to the NCGTPA by reason of such violation. The liability shall be paid in not more than 12 equal payments. Interest at the rate of eight (8) percent per annum shall be assessed on the balance beginning on the first day following discovery of the violation.

SECTION 18. INJUNCTIVE RELIEF

It shall be unlawful for any person to violate any provision or fail to comply with any of the requirements of this Ordinance. If a person has violated or continues to violate the provisions of this ordinance, the authorized enforcement agency may petition for a preliminary or permanent injunction restraining the person from activities which would create further violations or compelling the person to perform abatement or remediation of the violation.

SECTION 19. COMPENSATORY ACTION

In lieu of enforcement proceedings, penalties, and remedies authorized by this Ordinance, the authorized enforcement agency may impose upon a violator alternative compensatory actions, such as storm drain stenciling, attendance at compliance workshops, creek cleanup, etc.

SECTION 20. VIOLATIONS DEEMED A PUBLIC NUISANCE

In addition to the enforcement processes and penalties provided, any condition caused or permitted to exist in violation of any of the provisions of this Ordinance is a threat to public health, safety, and welfare, and is declared and deemed a nuisance, and may be summarily abated or restored at the violator's expense, and/or a civil action to abate, enjoin, or otherwise compel the cessation of such nuisance may be taken.

SECTION 21. CRIMINAL PROSECUTION

Any person that has violated or continues to violate this ordinance shall be liable to criminal prosecution to the fullest extent of the law, and shall be subject to a criminal penalty of up to five hundred dollars ($500.00) per violation per day and/or imprisonment for a period of time not to exceed thirty (30) days.

The NCGTPA may recover all attorney's fees court costs and other expenses associated with enforcement of this ordinance, including sampling and monitoring expenses.

SECTION 22. REMEDIES NOT EXCLUSIVE

The remedies listed in this ordinance are not exclusive of any other remedies available under any applicable federal, state or local law and it is within the discretion of the authorized enforcement agency to seek cumulative remedies.

SECTION 23. ADOPTION OF ORDINANCE

This ordinance shall be in full force and effect upon its adoption.

PASSED AND ADOPTED this ____ day of _____, 20__.,