



Phase I Large MS4
Permit #GAS000118
Gwinnett County
Stormwater Management Program

**STATE OF GEORGIA DEPARTMENT OF NATURAL RESOURCES
ENVIRONMENTAL PROTECTION DIVISION**

Stormwater Management Program (SWMP)

1. General Information

- A. Name of MS4: Gwinnett County
- B. NPDES Permit Number: GAS000118
- C. Mailing Address (if providing a post office box, also provide a street address):
Gwinnett County Department of Water Resources
684 Winder Highway
Lawrenceville, GA 30045
- D. Name of responsible official: Rebecca Shelton
Title: Director, Department of Water Resources
Mailing Address: 684 Winder Highway
City: Lawrenceville State: GA Zip Code: 30045
Telephone Number: 678 376 7033
Email Address: rebecca.shelton@gwinnettcountry.com
- E. Designated stormwater management program contact:
Name: James Moore
Title: Section Manager- Stormwater Compliance, Department of Water Resources
Mailing Address: 684 Winder Highway
City: Lawrenceville State: GA Zip Code: 30045
Telephone Number: 678 376 7008
Email Address: james.moore@gwinnettcountry.com
- F. Provide the river basin(s) to which your MS4 discharges: Upper Chattahoochee, Upper Ocmulgee, Upper Oconee
- G. Provide the latitude and longitude of the MS4 center (e.g. City Hall, County offices, MS4 mailing address) using Global Positioning System (GPS)–WG84:

Latitude: 33.956 Longitude: -88.989

2. Sharing Responsibility

- A. Has another entity agreed to implement a SWMP Component on your behalf?
Yes_____ No X (If no, skip to Part 3)

SWMP Component:

1. Name of entity _____
2. SWMP component to be implemented by entity on your behalf:

B. Attach an additional page if necessary to list additional shared responsibilities. It is mandatory that you submit a copy of a written agreement between your MS4 and the other entity demonstrating written acceptance of responsibility.

3. **Certification Statement**

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based upon my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Printed Name: Rebecca Shelton, PE

Date: 11/21/2024

Signature: 

Title: Director, Dept of Water Resources

Structural and Source Control Measures

Table 3.3.1 of the Permit

1. MS4 Structure Inventory and Map

1. Description of SWMP Component

Gwinnett County maintains a MS4 Structure Inventory as a geodatabase managed by the Department of Water Resources (DWR) Geographic Information System (GIS) team. From this data set, MS4 maps can be produced on demand. Assets managed within this system include catch basins, ditches, detention/retention ponds, and storm drain lines.

2. Measurable goal(s):

Gwinnett County will actively maintain accurate MS4 structure inventory, by means of the GIS-managed geodatabase, for all the above referenced regulated structures with the most current data available.

3. Documentation to be submitted with each Annual Report:

Updated maps of the above referenced structures within the permitted area will be submitted with each annual report. A summary report for the current inventory for catch basins, ditches, detention/retention ponds, and stormwater pipes will be provided with each annual report.

2. MS4 Inspection and Maintenance Program

1. Description of SWMP Component

Gwinnett County maintains an active inspection and maintenance program for its regulated structural and source control measures. This program is separated into three parallel efforts whereby stormwater conveyances and structural control measures are inspected and maintained.

- a. Construction Closeout Inspections- Gwinnett County staff inspect new MS4 structures at the point of completion of active construction.
- b. Periodic Structural BMP Inspections- Structural BMPs in the MS4 inventory are inspection of a reoccurring basis to ensure ongoing serviceability.
- c. Periodic Stormwater Conveyance Inspections- stormwater pipelines and drainage structures are inspected to ensure ongoing serviceability.

In each case, 100% of Permittee-owned assets are scheduled for inspection at least once within the 5-year permit period. Inspections are conducted in accordance with established County procedures and tracked within the County's computerized maintenance management system (CMMS), referred to as Lucity. Details on the MS4 inspection program can be found in Appendix A.3.3.1 Structural & Source Control Measures. Maintenance issues identified through these inspection programs are evaluated for severity, potential impact to serviceability of the MS4, and impacts to water quality. Corrective action is then assigned to the appropriate party based on this prioritization and tracked to resolution.

2. Measurable goal(s):

The annual goal is for inspections is a minimum 5% with 100% of MS4 regulated structural assets inspected within the 5-year permit period.

3. Documentation to be submitted with each Annual Report:

A summary report of all inspections and maintenance of the regulated MS4 structural assets (catch basins, ditches, detention/retention ponds, and stormwater drain lines) will be submitted with each annual report. This summary report will include Facility ID #s, date, inspection crew, weather, presence of suspect illicit discharge, and condition. Due to the volume of data collected, additional documentation including checklists, photographs, video, and associated correspondence will be maintained by the permittee and are available to Environmental Protection Division on request.

3. **Planning Procedures**

1. **Description of SWMP Component**

Gwinnett County has developed and maintained a comprehensive planning document in which it addresses areas of new development and redevelopment title the *2045 Unified Plan*. The *2045 Unified Plan* addresses a number of topics related directly or indirectly to water quality such redevelopment incentives, open space incentivization, and protection of the environment. The 2045 Unified Plan can be found on Gwinnett County's website:

<https://www.gwinnettcounty.com/departments/planningdevelopment/services/landuseplanning/2045unifiedplan>

2. **Measurable goal(s):**

The *2045 Unified Plan* will be reviewed annually. Any changes to the 2045 Unified Plan will be tracked and, if relevant to the protection of water quality, are reported in the Annual Report.

3. **Documentation to be submitted with each Annual Report:**

A summary report of any changes to the *2045 Unified Plan* to include the original text, the revised text, the date that the Board of Commissioners approved the change, and a brief description of the potential impact to water quality.

4. Street Maintenance

1. **Description of SWMP Component**

Gwinnett County currently conducts street sweeping of County maintained streets and intersections each year. These are streets and intersection located primarily in the commercial corridors that would have a greater sediment loading to the receiving streams. This program is managed by Gwinnett County Department of Transportation who oversees this effort carried out by a 3rd party contractor. The permittee will sweep 1,130 centerline miles of roads per year.

2. **Measurable goal(s):**

Gwinnett County will sweep 1,130 miles of County maintained streets each permit year.

3. **Documentation to be submitted with each Annual Report:**

Documentation will consist of a excel spreadsheet that includes the following fields: Date completed, type of street sweeping, location, and miles serviced.

5. **Flood Management Projects**

1. **Description of SWMP Component**

Gwinnett County will ensure proposed flood management projects (e.g. detention and retention ponds) are assessed for water quality impacts during the design phase by subjecting all proposed flood management projects are reviewed by County staff in accordance with *Gwinnett County Stormwater Management Manual, 2017 edition* and *Section 800, Gwinnett County, Georgia- Code of Ordinances*, both of which require and specify methodologies to assess water quality impacts of flood management projects. Proposed flood management projects that do not meet these requirements will not be permitted. For existing permittee-owned flood management projects, all have been assessed using 2017 GCSMM criteria prior to the effective date of this permit and are actively managed by Gwinnett Department of Water Resources' Watershed Improvement Program (WIP).

2. **Measurable goal(s):**

Review all proposed flood management projects (e.g. detention and retention ponds) to ensure compliance with *Gwinnett County Stormwater Management Manual, 2017 edition* and *Section 800, Gwinnett County, Georgia- Code of Ordinances*. For existing permittee-owned flood management projects that have been previously assessed, continue to actively manage these facilities and retrofit as necessary in accordance with the County's Watershed Improvement Program (WIP).

3. **Documentation to be submitted with each Annual Report:**

Proposed flood management projects associated with new development are managed by Gwinnett Department of Planning & Development using a data management system referred to as Acella. Documentation will consist of a report from Acella, documenting the number of assessments and listing those projects. Any updated assessment sheets and a summary of any completed or proposed retrofits to existing permittee-owned flood management projects will be provided.

6. Municipal Facilities (Excluding Any Facilities Addressed in Section 3.3.3)

1. Description of SWMP Component

Gwinnett County maintains an inventory of municipal facilities with the potential to cause pollution. Per the permit requirements, facilities addressed in Section 3.3.3 of the Permit GAS000118 have been excluded. The County actively manages a program to control runoff from these facilities to include facility inspections. All facilities (i.e. 100%) will be inspected within the 5-year permit period, with at least one of these facilities to be inspected every year. Details can be found in *Facility Inspections Plan Standard Operating Guidance* located in *Appendix 3.3.1.6 Municipal Facilities*.

2. Measurable goal(s):

The above referenced inventory will be updated annually. All facilities included on the inventory will be inspected at least once during the 5-year permit period, with at least 5% of these facilities being inspected each year.

3. Documentation to be submitted with each Annual Report:

The updated Municipal Facilities inventory will be submitted annually. A summary report of all Municipal Facilities inspections with any deficiencies and resulting corrective actions will be submitted with the Annual Report. Detailed documentation to include individual inspections reports and photographs will be retained by the permittee and made available upon request.

7. Pesticide, Fertilizer, and Herbicide Application

1. Description of SWMP Component

The County relies heavily on the State Department of Agriculture (DoA) and Gwinnett County's Cooperative Extension Service (UGA Extension Gwinnett) for assistance in addressing requirements for this part of the program. The State DoA requires commercial applicators of pesticides (herbicides and insecticides) to obtain and retain a "Certified Commercial Pesticide Applicators License". Education for Commercial Pesticide Applicators is offered through UGA Extension Gwinnett. Each of these educational programs contains a component that addresses the potential impacts on water quality associated with the misuse of pesticides. The Landscaping Professionals training also contains information on the proper use of fertilizers and their potential for water quality impacts. CEU's are provided to licensees who participate in each of these training programs.

The training offered through UGA Extension Gwinnett and described in the Commercial Applicators section above is also available to municipal employees. The County will help appropriate employees obtain and maintain their Commercial Applicator's license, if applicable. A complete inventory of pesticides, herbicides and fertilizers used by the County Departments that are involved in these activities will be provided in the annual reports.

2. Measurable goal(s):

Gwinnett County will report classes conducted by the UGA Extension Gwinnett covering the Commercial Pesticide Applicators License. The County will continue to require business license applicants who are likely to require a commercial pesticide applicators license, to provide proof that they hold the appropriate State license. For County operations, Gwinnett County will maintain an updated inventory of pesticides, fertilizers, and herbicides.

3. Documentation to be submitted with each Annual Report:

The County's Annual Report will include the dates, class titles, attendees, and number of participants for the appropriate classes offered by UGA Extension Gwinnett. This data will be tracked by UGA Extension Gwinnett and reported to Gwinnett County for inclusion into the MS4 Annual Report. For County operations, the Annual Report will include the inventory of pesticides, fertilizers, and herbicides, in table format. Scanned copies of the most recent pesticide applicator license certification cards for each County employee that is required to be certified.

Illicit Discharge Detection and Elimination Program (IDDE)
Table 3.3.2 of the Permit

1. Legal Authority

1. **Description of SWMP Component**

The County adopted their first Storm Water Management Ordinance in 1996, with various updates as required by the Environmental Protection Division (EPD). The present Illicit Discharge and Illegal Connection (IDIC) ordinance is comparable to the Model Ordinance from the North Georgia Metropolitan Water Planning District and can be found in *Appendix B_3.3.2 IDDE*.

2. **Measurable goal(s):**

Update the IDIC ordinance, if it is required during the reporting period, by EPD or the Metropolitan North Georgia Water Planning District.

3. **Documentation to be submitted with each Annual Report:**

If the IDIC ordinance is revised during the reporting period, Gwinnett County will submit a copy of the revised adopted ordinance with the annual report.

2. Outfall Inventory and Map

1. **Description of SWMP Component**

Gwinnett County maintains an outfall inventory within the County's GIS database, correcting errors, noting changes due to repairs, and mapping new projects into the database. Customized detailed maps of these outfalls for any area within the County's jurisdiction can be provided on demand. A map view and inventory, current as of June 2024 is included in Appendix B.3.3.2 IDDE.

2. **Measurable goal(s):**

The jurisdiction has been extensively mapped during prior permit periods. The County will continue to update and revise this inventory to correct errors, reflect changes due to maintenance, and capture new outfalls resulting from new development and redevelopment.

3. **Documentation to be submitted with each Annual Report:**

Gwinnett County will summary report that will document the total number of outfalls, the number of outfalls added during the reporting period, a list of outfalls added during the reporting period, and a current map of all outfalls and receiving waters.

3. IDDE Plan

1. **Description of SWMP Component**

Gwinnett County's IDDE field screening program consists of our dry weather screening (DWS) program. This program focuses on screening for illicit discharges at outfalls during dry weather conditions (less than 0.1" of rainfall per 24 hours for the preceding 72 hours) to increase the chances that any observed flow is more likely to be associated with an illicit discharge. The goal of the program is to identify and eliminate any un-permitted illicit discharges to the MS4. If the field samples show higher than baseline levels for pH, conductivity, fluoride, detergent/surfactants, temperature, or if there is the distinctive odor of sanitary wastewater/septic waste, or if there is flow during dry weather, the discharge will be tracked to the source and appropriate enforcement action taken. For more information, please refer to *Synopsis: Dry Weather Screening (DWS) Program* located in *Appendix B, 3.3.2 Illicit Discharge Detection and Elimination*.

2. **Measurable goal(s):**

Each year Gwinnett County will perform Dry Weather Screening (DWS) at a portion of the outfalls in the MS4, based on current inventory as noted in the most recent version of the annual report. We will aim to perform DWS activities at 20% of the MS4 outfalls on an annual basis, but the end goal will be to meet the permit requirement to perform DWS at 100% of the outfalls in the MS4 system within the 5-year permit term. If the field samples show higher than baseline levels for pH, conductivity, fluoride, detergent/surfactants, temperature, or if there is the distinctive odor of sanitary wastewater/septic waste, or if there is flow during dry weather, the discharge will be tracked. Gwinnett County will implement procedures identified in the Enforcement Response Plan for IDDE Violations to eliminate any identified illicit discharges.

3. **Documentation to be submitted with each Annual Report:**

DWS activities will be entered into the County's work order management system. Gwinnett County will provide a summary report of all outfalls screened during the reporting period to include the results of this screening and any resulting follow-up activities due to observed dry weather flow, to include source tracking and enforcement.

4. **Spill Response Procedures**

1. **Description of SWMP Component**

Gwinnett County maintains a program to prevent, contain, and respond to spills. The response procedures vary based on the nature of the spill.

- a. The Fire Department responds to spills of hazardous materials, tanker accidents resulting in spills, spills from bulk storage containers, vehicular accidents, etc. Gwinnett County HazMat is responsible for containment of released hazardous materials where they are associated with an incident to which they have responded. The HazMat team members are highly trained individuals who have each completed appropriate training in the field of Hazmat Response. This extensive training provides HazMat team members with the ability to assess all variables associated with a hazardous materials incident and make an appropriate selection of containment devices, tools and procedures based on all factors surrounding the incident. One of the HazMat teams stated priorities with respect to incident control is protection of the environment.
- b. The Department of Water Resources responds to reports of Sanitary Sewer Overflow's (SSO's) from the sanitary sewer system, including ruptured sanitary sewer lines, in accordance with its Overflow Emergency Response Plan located within Capacity, Management, Operation, and Maintenance Program (CMOM). For additional details please refer to the *CMOM Annual Audit 2023* located within *Appendix B, 3.3.2 Illicit Discharge Detection Elimination*.

2. **Measurable goal(s):**

Continue implementation of programs and procedures as described above.

- a. Fire Department: The County Haz Mat teams will respond to spills within the County, as they are notified, and as appropriate.
- b. DWR: The County will respond to and mitigate spills that occur within the county owned and maintained sewer system.

3. **Documentation to be submitted with each Annual Report:**

Document implementation of programs and procedures as described above.

- a. Fire Department: The County will report spills that occur to the MS4 as they are provided by the Fire Department, with the data required by the State: Spill Date, Spill Location, Party Responsible for Spill, Substance Spilled, and Amount Spilled.
- b. DWR: The County will report SSOs, as defined above, in the MS4 Annual Report, with the data required by the State: Spill Date, Spill Location, Party Responsible for Spill, Substance Spilled, and Amount Spilled.

5. Public Reporting Procedures

1. Description of SWMP Component

Gwinnett County has many well-established programs aimed at encouraging residents to report instances of illicit discharges and activities that may lead to such discharges; and programs that raise awareness about non-point source water pollution issues. While all of these programs and activities encourage County residents to change their own behavior, many also encourage residents to report instances of illicit discharge and activities that may lead to such discharges.

The educational programs are covered in more depth in another element of this SWMP.

a. *Citizen Complaint Program*

The DWR maintains a 24hour/7day a week, call center (dispatch) with a well-advertised phone number (770-863-7000), along with a Stormwater mainline phone number (770-367-7193). Residents are advised to call either number for a stormwater problem; the Stormwater mainline complaints roll to dispatch during evening and weekend hours. Stormwater illicit discharge complaints are entered into the Work Order system and directed to the IDDE investigatory staff. These staff members are trained in how to identify illicit discharges and the appropriate enforcement actions. Education and awareness is always a part of any investigation, with the aim towards a change in behavior so that the activities do not continue.

b. *County Connection*

The County developed a newsletter that is sent with each monthly water bill to each water customer, residents, commercial enterprises, churches, and other nonprofit organizations. At least once a year there is included in the newsletter an article describing ways for our citizens to report suspected illicit discharges, or any concerns with stream water quality.

c. *IDDE Investigations*

All complaints from any source: citizens, residents, fellow employees, EPD, EPA, other departments, etc., are entered into DWR's Work Order (WO) system. This system is available to all DWR employees, which allows for proper tracking, review and final closure of all WOs. All WOs are reviewed by the immediate supervisor, which helps with consistency and full documentation of the WO activities.

4. **Measurable goal(s):**

Public Reporting Procedures

- a. Gwinnett County will provide one article per year in the monthly Gwinnett Standard that describes ways for our citizens to report suspected illicit discharges, or any concerns with stream water quality.
- b. Gwinnett County will provide information on each complaint related to IDDE that was received and investigated during the reporting period in each annual report, including its status. The complaints will be reported in a tabular format, summarizing the major issues of the complaint, i.e. the location, the problem, the resolution, etc.

5. **Documentation to be submitted with each Annual Report:**

Public Reporting Procedures

1. Gwinnett County will provide one article per year from the monthly Gwinnett Standard that describes ways for our citizens to report suspected illicit discharges, or any concerns with stream water quality.
2. Gwinnett County will provide information on each complaint related to IDDE in a table format, as a report from the WO system. The complaints will be reported in a tabular format, summarizing the major issues of the complaint, i.e. the location, the problem, the resolution, etc.

6. Proper Management and Disposal of Used Oil and Toxic Materials

1. Description of SWMP Component

Education & Outreach

The County has, through its partnerships, developed a workshop concentrating on Household Hazardous Waste (HHW) activities. The topics include management of gardening chemicals and management of household cleaning materials, with the target audience being homeowners.

This workshop will be presented on an annual basis. Data for the workshops will be entered into our Task Database (presently Lucity), and the digital network, after each event. This will include date of event, event location, and number of attendees.

Gwinnett County will also provide an article each year on the topic of HHW, to be included in the *County Connection* newsletter. This newsletter is sent to all water customers; residents, business owners, churches, and other nonprofit organizations that utilize the County for their water supply.

Household Hazardous Waste Collection (HHW)

Gwinnett County hosts HHW Collection event at least once every three years, inviting citizens to bring items that are not collected curbside so they can be recycled, or processed for disposal. These events include educational messaging along with the collection activities. Data for the HHW Collection Day will be entered into our Task Database (presently Lucity), and the digital network, after each event. Reporting data will include date of event, event location, and number of attendees.

2. Measurable goal(s):

Education & Outreach

- a. Gwinnett County will continue presenting the Household Hazardous Waste (HHW) workshop on an annual basis.
- b. Gwinnett County will continue publishing an article concerning HHW in the Gwinnett Standard on an annual basis.

3. Documentation to be submitted with each Annual Report:

Education & Outreach

- a. Documentation will include listing on the Workshop Calendar, and various data about the actual Workshop: the date, Workshop title, and number of participants. This information will be included in the Public Education section of the Annual Report.
- b. Documentation will include a copy of the *County Connection* newsletter where the HHW article is published. This information will be included in the Public Education section of the Annual Report.

7. Sanitary Sewer Infiltration Controls

1. **Description of SWMP Component**

The County maintains the sanitary sewer system by performing a multitude of activities designed to maintain the integrity of the sanitary sewer system. These activities consist of, but are not limited to; manhole inspections, line walks, easement clearing, sanitary sewer line evaluation via use of TV cameras, pipe and manhole maintenance and rehabilitation, service stub replacements, and mechanical/chemical root control. These activities are managed under Gwinnett County's *Capacity, Management, Operation, and Maintenance (CMOM) Program*. Additional details can be found in *Capacity, Management, Operation, and Maintenance Program 2023 Audit* located in *Appendix B 3.3.2 Illicit Discharge Detection and Elimination*.

2. **Measurable goal(s):**

Gwinnett County will perform at least one of the following activities during the reporting period.

- a. CCTV inspections of the sanitary sewer lines
- b. Inspection of the sanitary sewer manholes
- c. Point repairs made to sanitary sewer assets
- d. Sanitary sewer lining projects
- e. Sanitary sewer main cleaning
- f. Root control application; mechanical and/or chemical
- g. Easements clearing

3. **Documentation to be submitted with each Annual Report:**

Sanitary Sewer Infiltration Controls

For those activities that Gwinnett County performed, the following data will be provided in the MS4 Annual Report

- a. Linear feet of CCTV inspections
- b. Number of sanitary sewer manholes inspected
- c. Number of point repairs made to a sanitary sewer asset
- d. Linear feet of sanitary sewer lining projects
- e. Linear feet of sewer main cleaned
- f. Linear feet of root control applied; mechanical and chemical
- g. Linear feet of easements cleared

Industrial Facility Stormwater Discharge Control

Table 3.3.3 of the Permit

1. Industrial Facility Inventory

1. Description of SWMP Component

The County has a well-established program to monitor and control pollutants in storm water discharges to municipal systems from industries as labeled in the MS4 Permit.

Gwinnett County defines an industry as a business that engages in one of the following activities:

- a. Municipal waste landfills
- b. Hazardous waste treatment, disposal and recovery facilities
- c. Industrial facilities that are subject to section 313 of title III of the Superfund
- d. Amendments and Reauthorization Act of 1986 (SARA)
- e. Active businesses that are on the State's list of businesses that either have coverage, or exclusion from the General Permit for Stormwater Discharges Associated with Industrial Activity (IGP)

Gwinnett County will continue to annually review all accurate and available data sources in developing the Industrial Facility Inventory. These sources may include Gwinnett County's business license list, the State Industrial Stormwater Permittee List, and any other accurate and reliable lists available. All industries that submit a Notice of Intent (NOI) to apply for coverage under the State's IGP are required to submit of copy of the NOI to the MS4 Permittee.

2. Measurable goal(s):

Gwinnett County will continue to update the Industrial Facility Inventory on an annual basis.

3. Documentation to be submitted with each Annual Report:

An updated inventory will be submitted with each annual report.

2. Inspection Program

1. Description of SWMP Component

The County has a well-established Industrial Inspection Program, which includes an Industrial Monitoring Program. This Program provides for inspections of businesses and industry types that have the potential to contaminate stormwater runoff that discharges from those sites to the MS4.

Gwinnett County defines an industry as a business that engages in one of the following activities:

1. Municipal waste landfills
2. Hazardous waste treatment, disposal and recovery facilities
3. Industrial facilities that are subject to section 313 of title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA)
4. Businesses that are subject to the State's General Permit for Stormwater Discharges Associated with Industrial Activity (IGP)

2. Measurable goal(s):

1. Conduct inspections on 100% of the inventoried facilities that discharge to the MS4 within the 5-year permit period. At least 5% of the inventoried facilities will be inspected each year.
2. If there is evidence that activities on-site could be causing a water quality problem in the MS4 structures, or in the local streams, a sample may be taken and analyzed for the pollutant of concern. Additionally, if the business discharges to the Gwinnett County MS4, and should be permitted under the State IGP, the business will be asked to provide the results of the IGP required monitoring.

3. Documentation to be submitted with each Annual Report:

Gwinnett County will provide the total number of facilities, and the number and percentage of inspections conducted during the reporting period in each annual report. The County will also provide copies of each industrial stormwater inspection report for each industrial inspection conducted during the reporting period.

3. Enforcement Procedures

1. **Description of SWMP Component**

The Department of Water Resources manages the inspection and subsequent enforcement activities concerning the stormwater discharges to the MS4 from industrial facilities. This includes preparing for and conducting inspections, addressing complaints, and managing any related enforcement activities. DWR conducts these activities under the authority of the County's Illicit Discharge and Illegal Connection Ordinance (IDIC). If a facility is found to be in violation of the IDIC ordinance the DWR inspector will undertake appropriate enforcement actions, utilizing the most recent Enforcement Response Plan (ERP) for IDDE Violations as guidance. These actions may include Guidance Notices, Notices to Comply, Notices of Violation, Citations and/or monetary penalties.

2. **Measurable goal(s):**

When an industrial facility that discharges to the Gwinnett County MS4 is found to be in violation of the IDIC ordinance Gwinnett County will continue to undertake appropriate enforcement actions, utilizing the most recent Enforcement Response Plan (ERP) for IDDE Violations as guidance.

3. **Documentation to be submitted with each Annual Report:**

Gwinnett County will continue to provide, in each annual report, data concerning enforcement actions, taken during the reporting period and associated with stormwater discharges to the MS4 from industrial facilities.

4. Educational Activities

1. **Description of SWMP Component**

Gwinnett County will use multiple methods of educating the industries within our jurisdiction.

See below:

- a. *Direct Communication:* The most efficient way to educate the industries is at the time of the inspection. We use any accurate and available sources for this educational material. This may include materials from Volume Three of the Georgia Stormwater Management Manual, materials from other public agencies, or materials we have developed ourselves. Educating the business representative, on site, during the business inspection, allows the business representative to ask questions and acquire clarity about the subject matter before we leave the site. We will also provide the same educational material with the Inspection Report that we mail to the business after the inspection.
- b. *Industrial Guidelines Webpage:* To allow industries and businesses to find helpful information about protecting stormwater, an Industrial Guidelines webpage will be maintained on the County's website to include 4 business-related educational posts covering topics such as, but not limited to, IDDE, Good Housekeeping, Watersheds, and Pollutants of Concern. The educational posts will be rotated each year.

2. **Measurable goal(s):**

Gwinnett County will report on the multiple methods of educating the industries within our jurisdiction.

- a. *Direct Communication:* Gwinnett County will continue to provide, during each inspection, educational materials and clarification on any stormwater related questions the business representative may be concerned about.
- b. *Industrial Guidelines Webpage:* The County will ensure 4 educational posts are included on the Industrial Guidelines webpage each year. These posts will cover topics such as, but not limited to, IDDE, Good Housekeeping, Watersheds, and Pollutants of Concern.

3. **Documentation to be submitted with each Annual Report:**

Gwinnett County will document the multiple methods of educating the industries within our jurisdiction.

- a. *Direct Communication:* Gwinnett County will include in the inspection report the educational materials provided to the business during each inspection.

- b. Industrial Guidelines Webpage: The County will provide screenshots of the Industrial Guidelines webpage, showing the four educational posts, each year.

Construction Site Management

Table 3.3.4 of the Permit

1. Legal Authority

1. Description of SWMP Component

The Gwinnett County Department of Planning & Development (P&D) administers the Plan Review activities, Land Disturbance Permitting, and Erosion and Sedimentation Control activities in accordance with the current soil erosion and sedimentation requirements as defined in the Unified Development Ordinance (UDO). The soil erosion and sedimentation requirements were incorporated into the UDO which was adopted February 25, 2014, and updated on March 19, 2019.

A Memorandum of Agreement (MOA) with the Georgia Soil and Water Conservation District (GSWCD) provides Gwinnett County with the authority to perform erosion and sedimentation control plan reviews of construction related documents and defines Gwinnett County as a Local Issuing Authority (LIA) for Land Disturbance Permits (LDP). Gwinnett County has continuously been in compliance with the Georgia Erosion and Sedimentation Act (GESA) since 1981.

2. Measurable goal(s):

Gwinnett County will continue to maintain the soil erosion and sedimentation requirements of the Unified Development Ordinance in compliance with the most recent version of the State's model E&SC rule.

3. Documentation to be submitted with each Annual Report:

Any revisions to the soil erosion and sedimentation requirements of the Unified Development Ordinance will be included in the associated MS4 Annual Report.

2. Site Plan Review Procedures

1. Description of SWMP Component

Protection of the streams from construction related pollutants is overseen by the Department of Planning and Development (P&D). All Construction Projects, both new developments and redevelopments; commercial and residential, are required to submit Erosion and Sedimentation Control Plans (E&SC Plans) for P&D review. The review of these plans includes a comment and resubmittal process, allowing developers to adjust their submittals in order to achieve approval from P&D, along with managing the Land Disturbance Activity Permits (LDP). Gwinnett County has been delegated responsibility by the State to issue LDPs and has also entered into a Memorandum of Agreement (MOA) with the Georgia Soil and Water Conservation District that allows the county to conduct technical plan reviews of all E&SC Plans under their jurisdiction. All construction projects, unless specifically exempted, are required to install at least minimum measures to control E&S runoff.

2. Measurable goal(s):

- a. Gwinnett County will continue to review all site plans for compliance with the County's Soil Erosion, Sedimentation and Pollution Control Chapter of the County's Unified Development Ordinance (UDO), Title 3, Section 400-20.
- b. Gwinnett County will continue to compile a list of the site plans received and the number of plans reviewed, approved, or denied during the reporting period.
- c. Gwinnett County will continue to compile a list of the Land Disturbance Activity (LDA) permits issued during the reporting period.

3. Documentation to be submitted with each Annual Report:

The Annual Report will include copies of the Local Issuing Authority Report tracker. This report is submitted to the Region 2 Soil & Water Conservation District (SWCD) and includes:

- a. Land Disturbance Permits issued
- b. Fines Levied
- c. ESPC plans reviewed, approved, and denied
- d. Site Inspections
- e. Complaints
- f. Enforcement (Notices to Comply, NOVs, Stop Work Orders)

3. Inspection Program

1. **Description of SWMP Component**

The Department of Planning & Development (P&D) manages the inspection and subsequent enforcement activities concerning Erosion, Sediment, and Pollution Control (ESPC) Plans and associated land disturbance activity LDA Permits. This includes residential, commercial and county projects that have gone through the site plan review activities. DPD conducts these activities under the authority of the County's Unified Development Ordinance (UDO). If a site is found to be in non-compliance with the approved site plans, the LDA Permit, or the UDO, P&D inspectors will undertake appropriate enforcement actions. These actions may include Notice of Violations, Citations, Stop Work Orders, and/or court-imposed penalties.

All erosion and sediment control inspections are documented in the department permit database management software including date of inspection, inspection result, and supplemental descriptive documentation as applicable.

2. **Measurable goal(s):**

Gwinnett County will continue to inspect permitted construction sites following the SWMP. For the purpose of this permit, Gwinnett County will conduct at least one inspection at each active, permitted, construction site during the reporting period, May 1 through April 30, each year.

3. **Documentation to be submitted with each Annual Report:** The Annual Report will include copies of the Local Issuing Authority Report tracker. This report is submitted to the Region 2 Soil & Water Conservation District (SWCD) and includes:

- a. Land Disturbance Permits issued
- b. Fines Levied
- c. ESPC plans reviewed, approved, and denied
- d. Site Inspections
- e. Complaints
- f. Enforcement (Notices to Comply, NOVs, Stop Work Orders)

4. Enforcement Procedures

1. **Description of SWMP Component**

The Department of Planning and Development (P&D) regulates, reviews plans for, permits, and inspects land disturbance activity (LDA) under the authority of the Gwinnett County Unified Development Ordinance (UDO). Sites found in non-compliance with approved plans, issued permits, and/or the UDO are subject to enforcement actions by the Development Inspections Section.

Factors used to determine appropriate enforcement action are magnitude of the problem, duration of the problem, compliance history, and good faith of the violator. Please see Gwinnett County's Enforcement Response Plan (ERP) for ESPC Violations for further details.

2. **Measurable goal(s):**

Gwinnett County will continue to implement the ERP associated with ESPC for 100% of the ESPC violations documented at construction sites.

3. **Documentation to be submitted with each Annual Report:**

The Annual Report will include copies of the Local Issuing Authority Report tracker. This report is submitted to the Region 2 Soil & Water Conservation District (SWCD) and includes:

- a. Land Disturbance Permits issued
- b. Fines Levied
- c. ESPC plans reviewed, approved, and denied
- d. Site Inspections
- e. Complaints
- f. Enforcement (Notices to Comply, NOVs, Stop Work Orders)

5. Certification

1. **Description of SWMP Component**

County staff

All County staff associated with sediment and erosion control issues are required to be certified at the appropriate level through a Georgia Soil and Water Conservation Commission (GSWCC) approved training class. The County provides the opportunity for these employees to obtain and maintain the appropriate certifications throughout their workday.

Contractors and other related personnel

The County requires all builders, developers, contractors, and other entities involved in construction related activities to submit proof of the appropriate level of training as required by the GESA. This requirement is at various levels of the construction process:

- pre-construction meetings,
- plan submittals, and
- construction site inspections.

Appropriate enforcement actions can be initiated if the entity cannot provide the appropriate level of E&SC certification.

2. **Measurable goal(s):** Gwinnett County will continue to provide opportunities for County staff associated with sediment and erosion control issues to obtain and maintain the appropriate certifications.

3. **Documentation to be submitted with each Annual Report:** Gwinnett County will provide a table noting the employees associated sediment and erosion control issues, and their sediment and erosion control certification status, in each annual report.

Highly Visible Pollutant Sources (HVPS)

Table 3.3.5 of the Permit

1. HVPS Facility Inventory

1. Description of SWMP Component

The county has a well-established HVPS Facility Inspection Program. The program provides for inspections of businesses and industry types that have the potential to contaminate stormwater runoff that discharges from those sites to the MS4.

Gwinnett County defines an HVPS Facility as a business that engages in one of the following activities:

- a. Used Automobile Dealers (NAICS 441120)
- b. General Automotive Repair and Maintenance (NAICS 811111)
- c. Automotive Transmission Repair (NAICS 811113)
- d. Other Automotive Mechanical & Electric Repair and Maintenance (NAICS 811118)
- e. Automotive Body, Paint, and Interior Repair & Maintenance (NAICS 811121)
- f. Automotive Oil Change & Lubrication Shops (NAICS 811191)
- g. Car Washes (NAICS 811192)
- h. All Other Automotive Repair & Maintenance (NAICS 811198)
- i. Passenger Car Rental (NAICS 532111)
- j. Truck, Utility Trailer, and RV Rental & Leasing (NAICS 532120)
- k. Veterinary Services (NAICS 541940)
- l. Pet Care and Pet Supplies Stores (NAICS 812910, 453910)
- m. Fur-Bearing Animal and Rabbit Production (NAICS 112930)
- n. Floriculture Production (NAICS 111422)
- o. Nursery, Garden Center, and Farm Supply Stores (444220)
- p. Outdoor Power Equipment Retail (NAICS 444210)
- q. Septic Tank and Related Services (NAICS 562991)
- r. Businesses whose primary industrial activity is noted in the facilities covered by the NPDES Permit for Stormwater Discharges associated with Industrial Activity (IGP), but have not yet filed a Notice of Intent (NOI).

Gwinnett County will continue to annually review all accurate and available data sources in developing the HVPS Facility Inventory. These sources may include Gwinnett County's business license list and any other accurate and reliable lists available.

2. **Measurable goal(s):** Continue to update the HVPS Facility Inventory on an annual basis.
3. **Documentation to be submitted with each Annual Report:** Submit an updated HVPS Facility Inventory on an annual basis.

2. Inspection Program

1. Description of SWMP Component

Gwinnett County has a well-established HVPS Facility inspection program. The program provides for inspections of businesses and industry types that have the potential to contaminate stormwater runoff that discharges from those sites to the MS4.

2. Measurable goal(s):

Conduct inspections on 100% of the inventoried facilities that discharge to the MS4 within the 5-year period. At least 5% of the inventoried facilities will be inspected each year.

3. Documentation to be submitted with each Annual Report:

Gwinnett County will provide the total number of facilities, and the number and percentage of inspections conducted during the reporting period in each annual report. The County will also provide copies of each HVPS inspection report for each HVPS inspection conducted during the reporting period.

4. Enforcement Procedures

1. **Description of SWMP Component**

Gwinnett County Department of Water Resources manages the inspection and subsequent enforcement activities concerning the stormwater discharges to the MS4 from HVPS facilities. This includes preparing for and conducting inspections, addressing complaints, and managing any related enforcement activities. DWR conducts these activities under the authority of the County's Illicit Discharge and Illegal Connection Ordinance (IDIC). If a facility is found to be in violation of the IDIC ordinance the DWR inspector will undertake appropriate enforcement actions and record these actions in the enforcement database. These actions may include Guidance Notices, Notices to Comply, Notices of Violation, Citations and/or monetary penalties.

2. **Measurable goal(s):**

When an inspected facility that discharges to the Gwinnett County MS4 is found to be in violation of the IDIC ordinance Gwinnett County will continue to undertake appropriate enforcement actions, utilizing the most recent Enforcement Response Plan (ERP) for IDDE Violations as guidance.

3. **Documentation to be submitted with each Annual Report:**

Gwinnett County will continue to provide, in each annual report, data concerning enforcement actions, taken during the reporting period and associated with stormwater discharges to the MS4 from HVPS facilities.

5.

Educational Activities

1. **Description of SWMP Component**

Gwinnett County will use multiple methods of educating the HVPS businesses within our jurisdiction. See below:

- a. Direct Communication: The most efficient way to educate the HVPS businesses is at the time of the inspection. We use any accurate and available sources for this education material. This may include materials from Volume Three of the Georgia Stormwater Management Manual, materials from other public agencies, or materials we have developed ourselves. Educating the business representative, on site, during the business inspection, allows the business representative to ask questions and acquire clarity about the subject matter before we leave the site. We will also provide the same educational material with the Inspection Report that we mail to the business after the inspection.
- b. Industrial Guidelines Webpage: To allow industries and businesses to find helpful information about protecting stormwater, an Industrial Guidelines webpage will be maintained on the County's website to include 4 business-related educational posts covering topics such as, but not limited to, IDDE, Good Housekeeping, Watersheds, and Pollutants of Concern. The educational posts will be rotated each year..

2. **Measurable goal(s):**

Gwinnett County will report on the multiple methods of educating the HVPS businesses within our jurisdiction.

- a. Direct Communication: Gwinnett County will continue to provide, during each inspection, educational materials and clarification on any stormwater related questions the business representative may be concerned about.
- b. Industrial Guidelines Webpage: The County will ensure 4 educational posts are included on the Industrial Guidelines webpage each year. These posts will cover topics such as, but not limited to, IDDE< Good Housekeeping, Watersheds, and Pollutants of Concern.

3. **Documentation to be submitted with each Annual Report:**

Gwinnett County will document the multiple methods of educating the industries within our jurisdiction.

- a. Direct Communication: Gwinnett County will include in the inspection report the educational materials provided to the business during each inspection.

- b. Industrial Guidelines Webpage: The County will provide screenshots of the Industrial Guidelines webpage, showing the four educational posts, each year

Public Education

Table 3.3.9 of the Permit

1. Public Education Program – School Presentations

1. Description of SWMP Component

Gwinnett County Department of Water Resources supports a robust educational program for the local school system, as well as private, Montessori, home-school, and other educational institutions. This program is called *Water on Wheels*. One of the third-grade lessons for *Water on Wheels* is called “Runoff Researchers” and covers basic stormwater principles. The curriculum covers:

- Watersheds
- Impervious surfaces
- Storm drains
- Nonpoint source pollution

The lesson uses an activity mimicking macroinvertebrate sampling to show students one way to determining water quality and ends asking students how they can prevent polluted habitats.

2. Measurable goal(s):

Offer the “Runoff Researchers” lesson as part of the Water on Wheels program on an annual basis and provide data concerning participation levels from local schools and educational systems.

3. Documentation to be submitted with each Annual Report:

Documentation of participation with the Runoff Researchers lesson will be provided in a table including information such as School Name, Lesson Name, Date of Lesson, and Number of Students reached. This table will be included in each year’s annual report.

2. Public Education Program - Public Workshops

1. **Description of SWMP Component**

Public Workshops

Gwinnett County Department of Water Resources offers multiple Water Quality Workshops for free throughout the year. Topics vary annually including, but are not limited to:

- a. Septic Tank Maintenance
- b. Detention Pond Maintenance
- c. Rain Gardens
- d. Lawn Care for Water Quality
- e. Composting for Water Quality
- f. Spring Cleaning and Household Hazardous Waste Management
- g. Cooking to Protect Water Quality (FOG)
- h. Backyard Stream Restoration

Expansion into new topics is a goal of the education program, as the need arises. Note that new workshops may take some time to develop and implement. Workshops are held at least six (6) times per year. Each workshop may include a lecture, a presentation, and/or a hands-on activity led by a qualified professional. This means that multiple partnerships are utilized to ensure the most qualified representative available is present at each workshop.

2. **Measurable goal(s):**

Gwinnett County will present six workshops per year, each concentrating on a different topic.

3. **Documentation to be submitted with each Annual Report:**

A Water Quality Workshop schedule will be developed for each calendar year and included in each annual report. Information concerning Workshops will be included in each Annual Report. Data will include:

- a. Workshop Topic
- b. Event location
- c. Event date
- d. Number of participants

3. Public Education Program - Articles

1. **Description of SWMP Component**

County Connection:

This is a monthly newsletter published by Gwinnett County and included in every water bill mailed to water customers, thus the target audience is the general public. Each issue contains a section titled "Protecting Our Water Resources", which incorporates an article about water related topics. A minimum of four (4) articles per year, pertaining to topics relative to the MS4 permit, will appear in this publication. Article topics vary from year to year with new topics being constantly developed. Examples of article topics include, but are not limited to:

- a. Septic Tank Maintenance
- b. Detention Pond Maintenance
- c. Lawn Care
 - Composting
 - Fertilizer, Pesticide, and Herbicide Application
- d. Rain Gardens
- e. Rain Barrels
- f. Household Hazardous Waste Management
- g. Stormwater Project Highlights
- h. Adopt-A-Road Program

Gwinnett Standard:

This is a weekly email newsletter published by Gwinnett County and sent via email to all County employees with an email account, thus the target audience is County staff, management, and elected/appointed officials. The County Connection email contains links to additional information and articles referenced in the email. A minimum of four (4) articles per year will appear in this publication. Article topics vary from year to year with new topics being constantly developed. Examples of article topics will be similar to those included in the *County Connection* but will be tailored to County staff and relative to the tasks some of the employees of the County engage in each day as part of their jobs.

2. **Measurable goal(s):**

Each publication, County Connection and Gwinnett Standard, will include an educational article related to stormwater, NPS, or IDDE will be included in each annual report.

- a. At least four (4) articles per year will be reported from the Gwinnett Standard newsletter.
- b. At least four (4) articles per year will be reported from the Gwinnett Standard employee newsletter.

3. **Documentation to be submitted with each Annual Report:**
Copies of each publication that includes an above referenced educational article.
- a. At least four (4) articles will be reported from the Gwinnett Standard newsletter.
 - b. At least four (4) articles will be reported from the County Connection employee newsletter.

4. Public Education Program - Gwinnett County Website

1. **Description of SWMP Component**

Gwinnett County operates a website at www.gwinnettcountry.com that includes multiple pages containing different information about the County and its practices. Topics include the following:

- a. Preventing Illicit Discharge Violations
- b. Septic Systems
- c. Lawn Care
- d. Protecting Water Quality

2. **Measurable goal(s):**

Perform an evaluation of the Stormwater information on the website on an annual basis to determine if the County's needs are being met. Provide the results of the evaluation in the MS4 Annual Report.

4. **Documentation to be submitted with each Annual Report:**

Documentation of the annual evaluation will include action items, i.e. updating Stormwater information, new topics to address, old materials that are to be deleted. Any new Stormwater information developed during a reporting period will be included in that year's annual report.

Public Involvement
Table 3.3.10 of the Permit

1. Public Involvement Program- Stream Cleanup Event

1. **Description of SWMP Component**

The stream cleanup event involves volunteers working within one stream segment or on multiple stream segments on the same day, to remove trash and litter from the waterway, associated floodplain, and sometimes the conveyance leading to the stream (road shoulder or ditch). Gwinnett County DWR may partner with Gwinnett County Adopt-a-Stream Program to facilitate this SWMP component. The Gwinnet County Adopt-a-Stream Program has been operating in Gwinnett County since 1991. The main focus of the program is to educate the public on water quality issues through facilitation of multiple activities.

2. **Measurable goal(s):**

Data for each event will be tracked in the online data management system and will include date, location of event, number of volunteers, and amount of trash collected.

3. **Documentation to be submitted with each Annual Report:**

The data reported shall be in an excel spreadsheet, with the following data fields:

- a. Date and location of event
- b. Number of volunteers
- c. Amount of trash collected

2. **Public Involvement Program - Gwinnett Citizen Science**

1. **Description of SWMP Component**

This program offers volunteers the opportunity to be trained in stream monitoring methods such as chemical, biological, and bacterial monitoring in Gwinnett County. The program offers training for volunteers, as well as supplies to help facilitate volunteer monitoring. The program also tracks the locations of volunteer monitoring sites. If possible, monitoring sites will be chosen to target volunteers in sensitive areas of the County. Gwinnett County DWR may partner with Gwinnett County Adopt-a-Stream Program to facilitate this SWMP component. The Gwinnett County Adopt-a-Stream program has been operating in Gwinnet County since 1991. The main focus of the program is to educate the public on water quality issues through facilitation of multiple activities.

2. **Measurable goal(s):**

The Gwinnett Citizen Science monitoring program will annually track the number of active volunteer monitoring groups and number of active monitoring sites

3. **Documentation to be submitted with each Annual Report:**

The data reported shall be in a summary table with number of active volunteer monitoring groups and number of active monitoring sites.

3. **Public Involvement Program - Gwinnett Adopt-A-Road**

1. **Description of SWMP Component**

The Adopt-a-Road program allows citizens and citizen groups to adopt a section of road. Volunteers commit to completing periodic litter cleanups along their adopted section of road. Collected litter is bagged and either properly disposed of by the group or left at designated collection points where Gwinnett DOT can collect the waste and have it disposed of appropriately.

2. **Measurable goal(s):**

The Gwinnett Adopt-a-Road program will annually track miles of roadside that had litter pick-up and the amount of trash bags of litter collected.

3. **Documentation to be submitted with each Annual Report:**

The data reported shall be in a summary table, with miles of roadside that had litter pick-up and the amount of trash bags of litter collected.

4. Public Involvement Program - Storm Drain Marking

1. **Description of SWMP Component**

This program offers volunteers the opportunity to educate the public about nonpoint source pollution and the Stormwater drainage system by marking the storm drains with the message “No Dumping – Only Rain in the Drain” in residential and commercial areas of the County. Educational door hangers are also utilized to help deliver the message to residents and businesses. Gwinnett County DWR may partner with Gwinnett County Adopt-a-Stream Program to facilitate this SWMP component. The Gwinnett County Adopt-a-Stream program has been operating in Gwinnet County since 1991. The main focus of the program is to educate the public on water quality issues through facilitation of multiple activities.

2. **Measurable goal(s):**

Storm Drain Marking activities shall be tracked annually. Data tracked shall include the number of storm drain marking activity requests per year and the number of storm drains marked, along with door hangers distributed each year.

3. **Documentation to be submitted with each Annual Report:**

The data reported shall be in an excel spreadsheet, with the following data fields number of stenciling activity requests per year and number of storm drains stenciled and door hangers distributed each year.

Post-Construction
Part 3.3.11 of the Permit

1. Ordinance Review (Part 3.3.11(a)(1) of the Permit):

- A. Provide the date of the adoption of the Post-Construction ordinance: March 19, 2019
- B. Provide the date of the adoption of the Georgia Stormwater Management Manual or an equivalent or more stringent local design manual: December 5, 2017
- C. Ensure a copy of the Post-Construction ordinance is attached to the SWMP. Please refer to Appendix K, 3.3.11 Post Construction.

2. Linear Transportation Projects (Part 3.3.11(a)(3) of the Permit):

- A. The linear transportation feasibility program is voluntary. Have you developed or are you planning to develop a linear transportation feasibility program?
Yes ____ No X
- B. If yes, is the linear transportation feasibility program attached to the SWMP?
Yes ____ No ____
- C. If you plan to develop a linear transportation feasibility program, provide the schedule for submitting the program: _____

Green Infrastructure/Low Impact Development (GI/LID)
Table 3.3.11(b)(2) of the Permit

1. Legal Authority

1. Description of SWMP Component

In 2011, Gwinnett County reviewed and revised the Gwinnett building codes, ordinances, and Unified Development Ordinance (UDO) to ensure that they did not prohibit or impede the use of GI/LID practices, including infiltration, reuse, and evapotranspiration. This included the regulations governing residential and commercial development, road design and parking requirements.

The Georgia Stormwater Management Manual (GSMM) was revised in 2016 to require runoff reduction. Gwinnett County decided to adopt an equivalent manual to the GSMM; the Gwinnett County Stormwater Management Manual (GCSMM). Also, Gwinnett County consolidated all the Development Regulations, Erosion and Sedimentation Ordinances, Tree Ordinances, etc. into one document- The Unified Development Ordinance (UDO). Guidance pertaining to the implementation of GI/LID is contained therein.

Gwinnett County conducted a review entitled, 'Gwinnett County Smart Stormwater Management Code Review Checklist Tool Identification of Barriers and Opportunities' finalized on 3/12/2018 and is included in Appendixes\K_3.3.11 Post-Construction.

2. Measurable goal(s):

Gwinnett County will submit the results of a full review of the building codes, ordinances, and other regulations to ensure they do not prohibit or impede the use of GI/LID practices, including infiltration, reuse, and evapotranspiration once every MS4 Permit cycle. At a minimum we will review the regulations that govern residential and commercial development, road design, land use, and parking requirements, and we will consider the inclusion of incentives for use of GI/LID practices into the ordinance.

3. Documentation to be submitted with each Annual Report:

The Final Checklist that shows the results of reviewing the building codes, ordinances, and other regulations to ensure they do not prohibit or impede the use of GI/LID practices. This Checklist will be submitted only once during the five-year permit cycle but will be referenced in each Annual Report.

2. GI/LID Program

1. Description of SWMP Component

In June of 2017 Gwinnett County submitted a GI/LID Program to EPD and after one revision received approval to implement the Program. It included procedures for evaluating the feasibility and site applicability of different GI/LID techniques and practices, and various structures and practices to be considered within Gwinnett County. The approved GI/LID Program is attached to the Appendices of this SWMP.

2. Measurable goal(s):

Gwinnett County will evaluate the GI/LID Program on minimum frequency of once every Permit cycle, to ensure it still meets the needs of Gwinnett County, protects the watersheds in Gwinnett County, and meets the MS4 Permit requirements, at that time.

3. Documentation to be submitted with each Annual Report:

Whenever a review of the GI/LID Program indicates a substantive revision is necessary, a new version of the GI/LID Program shall be drafted and submitted to EPD for review, with the associated MS4 Annual Report, or earlier if necessary. Implementation of the revised GI/LID Program will be delayed until Gwinnett County receives EPD approval.

3. **GI/LID Structure Inventory**

1. **Description of SWMP Component**

Gwinnett County will track all new water quality GI/LID structures owned by Gwinnett County, other public entities (i.e. Gwinnett County Public Schools), and non-residential privately owned new water quality GI/LID structures, through the plan review process. They will be added to the GI/LID inventory for Long-Term inspection and maintenance oversight.

2. **Measurable goal(s):**

Update the inventory of privately owned non-residential and publicly owned water quality-related GI/LID structures, including those publicly-owned GI/LID structures owned by other entities (e.g. Gwinnett County Public School), constructed after June 11, 2014.

3. **Documentation to be submitted with each Annual Report:**

The updated inventory will be provided in pdf format, from an excel file. It will include Permit number, Development Name, Facility ID, and BMP Type. The updated inventory will include totals of the number of BMPs, organized by type of BMP. The inventory will indicate ownership of the BMP.

4. Inspection and Maintenance Program

1. Description of SWMP Component

(Ensure the text describes both the inspection and maintenance of the GI/LID structures): Gwinnett County will conduct inspections and/or ensure that inspections are conducted on 100% of the total privately owned non-residential (e.g., mixed use development, commercial, etc.) and County-owned GI/LID structures within a 5-year period. The number and/or percentage of the total structures inspected, along with documentation of each inspection, during the reporting period will be provided in each annual report.

Gwinnett County will also conduct maintenance on the County owned GI/LID structures, as needed. The number of the total structures maintained, along with documentation of the maintenance, during the reporting period will be provided in each annual report.

Lastly, Gwinnett County will inspect all privately-owned non-residential GI/LID structures to ensure that they are maintained as needed. If a BMP owner does not maintain their BMP, we will notify them of the lack of maintenance and require that the BMP is maintained as designed. If the BMP owner still does not maintain their BMP, we will investigate the issue to find out what is limiting the owner from performing the maintenance, with the last resort being enforcement action in accordance with the Enforcement Response Plan (ERP).

2. Measurable goal(s):

Gwinnett County will conduct inspections and/or ensure that inspections are conducted on 100% of the total privately owned non-residential and County owned GI/LID structures within a 5-year period. The number and/or percentage of the total structures inspected during the reporting period will be provided in each annual report. Gwinnett County will also conduct maintenance on the County owned GI/LID structures, as needed. Gwinnett County will also ensure that maintenance is performed on privately-owned nonresidential GI/LID structures through inspections and enforcement actions, as needed.

3. Documentation to be submitted with each Annual Report:

A summary report containing the following:

- a. The number and/or percentage of the total structures inspected and documentation of the inspections, during the reporting period will be provided in each annual report.

- b. The number of the total County owned GI/LID structures maintained, and documentation of the maintenance performed during the reporting period will be provided in each annual report.
- c. The number of the total privately-owned non-residential GI/LID structures maintained, and documentation of the maintenance performed during the reporting period will be provided in each annual report.

Appendix F 3.3.6

Enforcement Response Plan (ERP)

Part 3.3.6 of the Permit

1. The MS4 was required to develop an Enforcement Response Plan (ERP) that describes the action to be taken for violations of the Stormwater Management Program.
 - A. Provide the date the ERP was approved by EPD:
September 2, 2015 (IDDE); January 29, 2016 (ESC)
 - B. If the ERP has not yet been approved, provide the date submitted to EPD: N/A
2. A copy of the ERP must be attached to this Appendix.
Please see Appendix F_3.3.6 Enforcement Response Plan for a copy of the Enforcement Response Plan (ERP). Please note that the ERP has been reformatted but remains consistent with previously approved ERP(s) by the Environmental Protection Division.

Appendix G 3.3.7 Impaired Waters Plan

Impaired Waters **Part 3.3.7 of the Permit**

1. Population at the time of permit issuance: 1,008,402
2. The Impaired Waters Plan must, at a minimum, include:
 - A list of impaired waters and the pollutant(s) of concern, including the date of the 303(d) list used;
 - A map showing the location of the impaired waters, the monitoring location, and all identified MS4 outfalls located on the impaired waters or occurring within one linear mile upstream of the waters and within the same watershed;
 - The sample location (instream or at the outfalls);
 - Information on the sample type, frequency, and any seasonal considerations;
 - Schedule for starting monitoring for any newly identified pollutants
 - BMPs that will be implemented to address each pollutant of concern; and
 - A schedule for implementing the BMPs;
 - The information to be included in each annual report, including the monitoring data, an assessment of data trends, and an assessment of the effectiveness of the BMPs.
3. If the population exceeds 10,000, and a water is impaired for bacteria, then the MS4 must also address the following in the Impaired Waters Plan:
 - Sampling frequency for bacteria
 - A description of the development of a Sampling Quality and Assurance Plan if the data is below water quality standards for two years.

Appendix H 3.3.8

Municipal Employee Training **Part 3.3.8 of the Permit**

1. **Description of the Employee Training Program:**
Gwinnett County MS4 staff have reviewed the suggested training topics mentioned in the MS4 Permit, and other topics covered in the MS4 Permitting Guide. We evaluated activities at the various Departmental Facility sites in order to determine which Departments would benefit from some Nonpoint training. The attached tables (Table A and Table B) show the results of these reviews.
2. **Measurable goal(s):**
The County will provide the training in the frequency and methods identified in the attached tables.
3. **Documentation to be submitted with each Annual Report:**
The Annual Report will include pertinent information concerning the training events for the MS4 staff, and other County staff, during the reporting period. This will include: the dates, session titles, and numbers of participants for these events.