NPDES Phase I
Medium MS4

Stormwater Management Program

Submitted to:

Environmental Protection Division
Georgia Department of Natural Resources

October 2022

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Introduction

This document provides the specifications outlining the City of Pooler, Georgia's plan to address the requirements of the National Pollutant Discharge Elimination System (NPDES) Phase I Medium Municipal Separate Storm Sewer System (MS4) program. The activities are collectively known as the City of Pooler's (City) Stormwater Management Program (SWMP) to address the requirements of the State of Georgia (State) Department of Natural Resources (DNR) Environmental Protection Division (EPD) General NPDES Stormwater Permit No. GAS000209 (permit). The City has developed this SWMP in close consultation with the permit and believes the SWMP will serve as a valuable means of reducing the discharge of pollutants from the MS4 to the maximum extent practicable, in order to protect water quality and satisfy the appropriate water quality requirements of the State Act and Rules (391-3-6.16). Please note this SWMP is designed to address the requirements of the permit within the city limits of Pooler and does not represent the entirety of the City's overall Stormwater Management Program.

This SWMP has been divided into eleven (11) major sections:

- Structural and Source Control Measures
- Illicit Discharge Detection and Elimination Program (IDDE)
- Industrial Facility Stormwater Discharge Control
- Construction Site Management
- Highly Visible Pollutant Sources (HVPS)
- Enforcement Response Plan (ERP)
- Impaired Waterbodies
- Municipal Employee Training
- Public Education
- Public Involvement
- Post-Construction

Structural and Source Control Measures

Permit Requirement: The permittee must implement a program which incorporates structural and source control measures to reduce pollutants from runoff from commercial and residential areas that are discharged from the MS4 and includes a schedule for implementing the controls.

MS4 Control Structure Inventory and Map

Description:

The City of Pooler will develop an inventory and map of MS4 control structures owned or maintained by the City within the city limits. At a minimum, the inventory and map will include:

- Catch Basins
- Ditches / Swales
- Detention / Retention ponds
- Storm Drain Lines
- Stormwater Canals

As part of the inventory / map, the City will include a summary of the totals for each MS4 control structure. The City will update the inventory and map annually as new structures are added or existing structures are removed. A summary of the total number of structures added / removed each reporting period will be included in the annual report for that reporting period.

Measurable Goals:

- Provide an updated MS4 control structure inventory & map
- Provide the number of MS4 control structures added / removed during the reporting period and the total number of structures in the inventory in each annual report

Schedule

- March 2023 – Provide inventory and map and update if needed.
- March 2024 – Provide inventory and map and update if needed.
- March 2025 – Provide inventory and map and update if needed.
- March 2026 – Provide inventory and map and update if needed.
- March 2027 – Provide inventory and map and update if needed.

MS4 Inspection and Maintenance Program

Description:

Inspection Program

The City of Pooler will continue to implement an MS4 inspection program so that 100% of the structures inside the city limits will be inspected within the 5-year permit term.

Approximately 20% of the overall structures will be inspected annual. Inspecting 20% of the overall structures annually will allow the City to complete 100% within the 5-year permit term. Inspections will include a condition assessment of the various system elements including catch basins, canals, ditches and any municipally owned structural controls. The condition assessment will include a visual evaluation, where the presence and severity of structural conditions/pollutants will be noted. Upon completion of an inspection, the City shall make a determination of the need for maintenance based on the results of the inspection and the maintenance criteria listed herein. Inspections will be documented and records maintained by the City.

Maintenance Program

The City of Pooler will implement an MS4 maintenance program. The program will be based on the results of the MS4 inspection program as well as citizen complaints received. The City will prioritize maintenance needs based on their potential impact to the functionality of the public MS4. The City has no maintenance responsibility for privately owned stormwater control structures. If the private owner fails to maintain their structural control and the facility presents an immediate danger to public health or safety, then the City has the legal authority, per the Stormwater Management Ordinance of the Pooler Code of Ordinances, to perform the necessary maintenance and recover the cost from the private owner.

Measurable Goals:

- Summarize the number and percentage of the total structures inspected during the reporting period in each annual report
- Summarize the number and percentage of the total structures maintained during the reporting period in each annual report
- Annually submit map and database of structures inspected during the reporting period
- Annually submit work orders of any MS4 maintenance conducted during the reporting period.

Schedule

MS4 Inspections

- March 2023 – Complete 20% MS4 control structure inspections
- March 2024 – Complete 20% MS4 control structure inspections
- March 2025 – Complete 20% MS4 control structure inspections
- March 2026 – Complete 20% MS4 control structure inspections
- March 2027 – Complete 20% MS4 control structure inspections

MS4 Maintenance

- On-going

Planning Procedures

Description:

In 2016, the City adopted the 2016-2036 Comprehensive Plan that addresses, in part, areas of new development and redevelopment to reduce pollutants in discharges from the MS4. The ordinances of the City are used to develop, implement, and enforce post- construction controls in areas of new development or redevelopment. The comprehensive plan is included in Appendix E.

Measurable Goal:

- Review and update as needed the stormwater portion of the Comprehensive Plan and describe any changes made during the reporting period in each annual report

Schedule

- March 2023 – Review planning procedures
- March 2024 – Review planning procedures
- March 2025 – Review planning procedures
- March 2026 – Review planning procedures
- March 2027 – Review planning procedures

Street Maintenance

Description:

To reduce polluted runoff originating from streets, roads, and highways from vehicle traffic, leaks and spills, and atmospheric deposition, the City of Pooler utilizes the Public Work's street sweeper to sweep public curb and gutter roads within the City. Public Works Department personnel and/or third-party contractors are also utilized to collect litter and debris from other areas within the city limits on an as-needed basis. Debris collected by the street sweeping and manual collection operations is disposed of at a local solid waste landfill. The street sweeping log will track the following:

- Street Cleaned
- Number of Times Street was Cleaned
- Total Miles Cleaned

The Public Works Department is responsible for ensuring all minimum measure BMPs required by the Georgia Erosion and Sedimentation Act are implemented for Pooler road construction projects, where appropriate, in accordance with the procedures outlined in the Construction Site Management section of the SWMP.

Measurable Goals:

- Report the street name cleaned, times cleaned, amount of litter removed, and total miles swept in each annual report
- Provide log of street sweeping activities conducted during the reporting period

Schedule

- Ongoing - Litter and debris removal
- Ongoing - Street sweeping

Flood Management Projects

Description:

New Flood Management Projects

The City of Pooler requires new development and redevelopment to comply with the Stormwater Management ordinance, which includes requirements of the Georgia Stormwater Management Manual (GSMM) and included Coastal Stormwater Supplement (CSS), as adopted by reference. These requirements include provisions mandating water quality enhancements be included within the design of the facility. The City will continue to comply with these requirements by assessing all new flood management projects to determine if water quality will be impacted by the project and if water quality measures are warranted.

Existing Structure Flood Control Devices

The City of Pooler will select an existing City owned / maintained drainage flood control facility (i.e. detention pond) each reporting period and conduct an assessment to determine if retrofitting the device for additional pollutant removal is feasible. To determine if the facility should be retrofitted, the City will utilize the worksheet included in the SWMP in Appendix F. If a facility is determined to be suitable for retrofit, the facility will be added to the City's Capital Improvements Program needs list and programmed for funding as part of Pooler's budget process. The City will ensure 100% of all existing flood management projects are inspected within a 5-year permit term. Existing flood management projects assessed in a previous reporting period using the 2016 GSMM do not have to be re-assessed during the current permit term.

Measurable Goals:

- Report the number of plans reviewed in each annual report
- Provide copy of completed worksheet for one existing flood management project in each annual report
- Ensure 100% of all existing flood management projects are inspected within a 5-year permit term

Schedule

- January 2023 – Review one existing flood management facility
- January 2024 – Review one existing flood management facility
- January 2025 – Review one existing flood management facility
- January 2026 – Review one existing flood management facility
- January 2027 – Review one existing flood management facility

Municipal Facilities

Description:

The City of Pooler has an inventory documenting the location of each facility owned and/or maintained by the City with the potential to cause pollution. The City will implement an inspection program for these facilities to identify and address potential pollution sources. The inventory includes an inspection date field which identifies the year each facility will be inspected. Each reporting period a minimum of 20% of the municipal facilities will be inspected. It is the intent of this schedule to ensure 100% of City facilities are inspected prior to March 31, 2022. A copy of the stormwater inspection checklist for each facility inspected during the reporting period will be included in each annual report. The stormwater inspection checklist is included in Appendix G. If a site is found to need improvement, the appropriate department will be notified of the problem. The Public Works Department will perform a re-inspection, after the stipulated time frame, to ensure proper action has been taken.

Measurable Goals:

- Inspect 20% of the overall inventory each reporting period so that 100% is inspected prior to March 31, 2027.
- Provide the inventory of municipal facilities with the potential to cause pollution in each annual report
- Provide a copy of the completed stormwater inspection checklist for each municipal facility inspected during the reporting period in each annual report
- Provide a copy of any re-inspections, letters to owners/operators or other follow up action documentation.

Schedule

- March 2023 – Inspect municipal facilities scheduled for inspection that reporting period
- March 2024 – Inspect municipal facilities scheduled for inspection that reporting period
- March 2025 – Inspect municipal facilities scheduled for inspection that reporting period
- March 2026 – Inspect municipal facilities scheduled for inspection that reporting period
- March 2027 – Inspect municipal facilities scheduled for inspection that reporting period

Pesticide, Fertilizer, and Herbicide Application

Description:

The City of Pooler relies heavily on the Georgia Department of Agriculture (DoA) for assistance in addressing requirements for pesticide, fertilizer, and herbicide application. The DoA requires commercial applicators of pesticides (herbicides and insecticides) to obtain and retain a "Commercial Pesticide Applicators License." The DoA also requires distributors of restricted pesticides to obtain and retain "Distributor Licenses." Continuing education units are required each year to maintain the license. This program contains a component that addresses the potential impacts on water quality associated with the misuse of pesticides. The City will distribute information on the DoA licensing program to all businesses that deal with pesticides or herbicides on an as-requested basis.

The City of Pooler utilizes pesticides and herbicides in minimal amounts as part of maintenance activities for ditches, canals, and right-of-ways. The City has developed a Standard Operating Procedure (SOP) for pesticide, fertilizer, and herbicide application, which is in Appendix H. Presently the City has one Public Works Department employee certified to dispense pesticide, herbicide, and fertilizer and relies on the certified employee to educate staff concerning the proper use of pesticide, fertilizer, and herbicide.

Measurable Goals:

- Documentation of Department of Agriculture pesticide applicator licenses and certifications for the City staff who supervise the application of pesticides/ herbicides will be included in each annual report
- Submit an inventory of pesticides, fertilizers, and herbicides with each Annual Report

Schedule

- March 2023 – Verify DoA certification/Track inventory of PFH
- March 2024 – Verify DoA certification/Track inventory of PFH
- March 2025 – Verify DoA certification/Track inventory of PFH
- March 2026 – Verify DoA certification/Track inventory of PFH
- March 2027 – Verify DoA certification/Track inventory of PFH

Illicit Discharge Detection & Elimination Program (IDDE)

Permit Requirement: The permittee must implement and enforce a program to detect and eliminate illicit discharges and improper disposal of pollutants into its MS4. The permittee must address the following categories of non-stormwater discharges or flows if they are identified as significant contributors of pollutants to the MS4:

- Water line flushing;
- Landscape irrigation;
- Diverted stream flows;
- Rising ground waters;
- Uncontaminated ground water infiltration (as defined in 40 CFR Part 35.2005(20));
- Uncontaminated pumped ground water;
- Discharges from potable water sources;
- Foundation drains;
- Air conditioning condensation;
- Irrigation water;
- Springs;
- Water from crawl space pumps;
- Footing drains;
- Lawn watering;
- Individual residential car washing;
- Flows from riparian habitats and wetlands;
- Dechlorinated swimming pool discharges;
- Street wash water; and
- Flows from firefighting activities.

Legal Authority

Description:

The City of Pooler maintains a Stormwater Management Ordinance that prohibits illicit discharges and illegal connections meeting the requirements of the NPDES Phase I MS4 permit. The ordinance provides the authority to conduct inspections and monitoring, control illicit discharges and connections, and control illegal dumping and spills into the MS4. The ordinance includes the City's authority to take legal action to eliminate illicit discharges or connections. Please note the ordinance was adopted in a previous permit year and a copy of the ordinance can be found in Appendix I.

Measurable Goal:

- The City will maintain a Stormwater Management Ordinance prohibiting illicit discharges and illegal connections. Each reporting period, the City will evaluate the ordinance to determine if revisions are required. If revisions are required, the City will submit a copy of the revised ordinance to EPD in the annual report

Schedule

- March 2023 – Annual review of Stormwater Management Ordinance
- March 2024 – Annual review of Stormwater Management Ordinance
- March 2025 – Annual review of Stormwater Management Ordinance
- March 2026 – Annual review of Stormwater Management Ordinance
- March 2027 – Annual review of Stormwater Management Ordinance

Outfall Inventory / Map

Description:

The City of Pooler will develop an outfall inventory and a map showing the location of all outfalls from the MS4 and the names and location of all waters of the State that receive discharges from those outfalls. Each reporting period, the City will update the number of outfalls added to reflect the addition of outfalls from new infrastructure projects or developments. The existing outfall inventory and map have been included in Appendix J.

Measurable Goals:

- Provide updated outfall inventory and a map showing the location of all outfalls from the MS4 and the names and location of all waters of the State that receive discharges from those outfalls in the annual report
- Provide the number of outfalls added during the reporting period and the total number of outfalls in the inventory in the annual report

Schedule

- March 2023 – Update MS4 outfall inventory and map
- March 2024 – Update MS4 outfall inventory and map
- March 2025 – Update MS4 outfall inventory and map
- March 2026 – Update MS4 outfall inventory and map
- March 2027 – Update MS4 outfall inventory and map

IDDE Plan

Description:

The City of Pooler's Illicit Discharge Detection and Elimination Plan (IDDE Plan) consists of conducting dry weather screening inspections on 100% of total outfalls within the 5-year permit term; investigating when the results of the screening indicate a potential illicit discharge, including sampling or inspection; and ensuring any identified illicit discharges are eliminated. A copy of the IDDE Plan is in Appendix J. The City will utilize approved EPD procedures to conduct DWS inspections on at least 5% of the outfalls annually such that 100% of total outfalls are screened during the 5-year permit term. A copy of the City's dry weather screening checklist is included in Appendix J.

If there is a dry weather flow, the City will initiate a source tracing and removal program. City outfalls that are found to have a dry weather flow will be screened and appropriate action taken as outlined in the IDDE Plan in Appendix J, and the Enforcement Response Plan in Appendix B.

Measurable Goals:

- Provide the number and percentage of outfall inspections conducted during the reporting period and documentation of the inspections in each year's annual report
- 100% of suspected illicit discharges investigated
- 100% of identified illicit connections removed
- Report IDDE activities performed to eliminate any identified illicit discharges during the reporting period in each annual report
- Provide information on any enforcement actions taken for illicit discharges during the reporting period in each annual report

Schedule

- January 2023 – Complete dry weather screening
- January 2024 – Complete dry weather screening
- January 2025 – Complete dry weather screening
- January 2026 – Complete dry weather screening
- January 2027 – Complete dry weather screening

Spill Response Procedures

Description:

The Chatham Emergency Management Agency (CEMA) coordinates hazardous material spill planning and response countywide. The City of Pooler responsibilities for hazardous material spill mitigation are described in CEMA's Emergency Support Function (ESF) 10, under the Emergency Operations Plan:

Primary Agency: The Savannah Fire Department HazMat has the lead role in hazardous material spill response. Team membership includes responsibilities from the Sheriff's Office, EMS, and municipal fire departments.

Support Agencies:
Chatham County Public Works Department: Utilized on an as needed basis to respond to releases on County maintained roadways and rights of way with absorbents, barricades and signs; and to coordinate public transit and transport services. Transportation will be accessed through ESF 1.

Chatham County Health Department: Utilized on an as needed basis to respond to bio-hazardous, radiological and mixed hazardous materials; to be accessed through ESF 8.

Chatham County Fire Chiefs Association/City of Pooler Fire Department: Utilized on an as needed basis and accessed through ESF 4.

Measurable Goal:

- Provide documentation on spill occurrences and responses during the reporting period in each annual report

Schedule

- March 2023 – Documentation of any spills and cleanup response
- March 2024 – Documentation of any spills and cleanup response
- March 2025 – Documentation of any spills and cleanup response
- March 2026 – Documentation of any spills and cleanup response
- March 2027 – Documentation of any spills and cleanup response

Public Reporting Procedures

Description:

The City has established procedures for encouraging and addressing citizen concerns about water quality and reports of illicit discharges and illegal dumping. The City of Pooler's official website contains an area where any citizen can report a water quality issue. These complaints are logged electronically and forwarded to the Public Works Department for investigation and resolution.

City has also developed a Stormwater web pate that provides a phone number to report these complaints. City employees receive citizen complaint calls, and use the caller's information to generate a work order. The work order is forwarded to the Public Works Department, which is responsible for taking action to address calls that relate to water quality within three business days. The Public Works staff record actions taken to address the complaint in the work order and maintain a database of all finished work orders related to potential illicit discharges, illegal dumping, and other water quality violations. The Public Works Department maintains a database of all finished work orders. When appropriate, the City will notify the complainant regarding the results of the investigation and any actions undertaken by the City staff regarding drainage issues/complaints affecting their property. In addition, the City will also make available to any member of the public, upon their request, information regarding citizen complaints and any actions taken by the City to address those complaints.

Measurable Goals:

- Provide documentation on any activities regarding public reporting procedures conducted during the reporting period in each annual report
- Provide information on each complaint related to IDDE that was received and investigated during the reporting period, including its status, in each annual report
- Update website for any necessary changes to public reporting complaint submission of illicit discharge
- Update website with promotional and educational information

Schedule

- Ongoing, 2023-2027 Database update as calls are received
- Ongoing, 2023-2027 Water Quality investigation as calls are received
- Annual, 2023-2027 Update website with promotional and educational information and make any necessary changes to public reporting complaint submission of illicit discharge

Proper Management and Disposal of Used Oil and Toxic Materials

Description:

The City will maintain a link on the City's website containing information on recycling used motor oil and paint or disposing of it at a hazardous waste collection site.

The Chatham County drop-off center at 1321 Eisenhower Drive, Savannah accepts used cooking oil, used motor oil, batteries, and ink/toner cartridges. The City of Pooler will maintain a link on the City's webpage to the County website and the hazardous material public information contained therein. The web address to this page is https://recycling.chathamcountyga.gov/RecyclingDropOff/HardMaterials

Measurable Goals:

- Provide documentation on any activities regarding proper management and disposal of used oil and toxic material performed during the reporting period in each annual report. Documentation will include screenshot of the link on the City's webpage noted above.

Schedule

- March 2023 – Webpage update
- March 2024 – Webpage update
- March 2025 – Webpage update
- March 2026 – Webpage update
- March 2027 – Webpage update

Sanitary Sewer Infiltration Controls

Description:

The City of Pooler wastewater management program has an inflow and infiltration program that includes visual inspections and dye testing, as well as sewer line inspections based on complaints. At least one activity will be conducted to detect and eliminate seepage and spillage during each reporting period. Where the dry weather screening program returns results that could indicate infiltration of sewage into the MS4, the City will investigate the source of the illicit discharge in accordance with procedures described in the IDDE Plan.

Measurable Goal:

- Provide documentation and details of all confirmed or suspected sewage spills from the sanitary sewer system during the reporting period in each annual report
- Perform an activity to detect and eliminate seepage and spillage from municipal sanitary sewers to the MS4 during each annual reporting period.

Schedule

- March 2023 - Investigate and report suspected sewer seepage or spills
- March 2024 - Investigate and report suspected sewer seepage or spills
- March 2025 - Investigate and report suspected sewer seepage or spills
- March 2026 - Investigate and report suspected sewer seepage or spills
- March 2027 - Investigate and report suspected sewer seepage or spills

Industrial Facility Stormwater Discharge Control

Permit Requirement: The permittee must implement and enforce a program to monitor and control pollutants in stormwater discharges from industrial facilities into the MS4.

Industrial Facility Inventory

Description:

The City of Pooler currently maintains an industrial facility inventory list. This list is based on EPD's Industrial Storm Water General Permit (IGP), Notice of Intent (NOI) and No Exposure Exclusion (NEE) online listings. The inventory contains facilities using, storing or manufacturing onsite hazardous or potentially polluting materials. The inventory contains the following information: name of facility, street address, and Standard Industrial Classification (SIC) code. The City of Pooler will continue to modify and update this list on an annual basis in accordance with the informational sources listed above. A copy of the industrial facility inventory is provided in Appendix K.

Measurable Goal:

- Provide an updated industrial facility inventory in each annual report

Schedule

- March 2023 – Update industrial facility inventory
- March 2024 – Update industrial facility inventory
- March 2025 – Update industrial facility inventory
- March 2026 – Update industrial facility inventory
- March 2027 – Update industrial facility inventory

Inspection Program

Description:

The City of Pooler will continue to conduct on-site stormwater inspections for industries on the industrial inventory list on an annual basis.

- Inspections will ensure the facility has submitted an NOI to be covered under the NPDES Industrial General Permit, if it is required.
- The City will perform a cursory review the general implementation status of the associated Stormwater Pollution Prevention Plan (SWP3).
- If evidence is found during the inspection process that on-site activities are contributing to pollution in the MS4, the City of Pooler may elect to perform priority pollutant sampling at the facility outfall.
- The City will maintain records of inspection results, problems found, and actions taken. Documentation of these inspections will be submitted each year with the annual report. The Stormwater Inspection Checklist is included in Appendix K.

Measurable Goals:

- Inspect 20% of industrial facilities each reporting period
- Provide the total number of industrial facilities and the number and percentage of inspections conducted during the reporting period and copy of completed inspection checklist(s) in the annual report
- Results of any monitoring will be included in the annual report

Schedule

- March 2023 – Inspect 20% of industrial facilities
- March 2024 – Inspect 20% of industrial facilities
- March 2025 – Inspect 20% of industrial facilities
- March 2026 – Inspect 20% of industrial facilities
- March 2027 – Inspect 20% of industrial facilities

Enforcement Procedures

Description:

If evidence is found during the inspection process that on-site activities are contributing to pollution in the MS4, the site owners will be notified of the violation. Site owners/operators will be given a specific time period, proportional to the violation, in which to correct the problem. If the problem is not corrected, enforcement actions, as stipulated in the Illicit Discharge Regulations of the Stormwater Management Ordinance will be taken. If the violation is still not corrected, EPD will be notified of the problem. If EPD intervention does not ensure a resolution to the problem, the City of Pooler may elect to perform priority pollutant sampling at the facility outfall.

Enforcement procedures will be conducted in accordance with the City's Enforcement Response Plan.

Measurable Goal:

- Provide a log of all violations and enforcement actions taken during the reporting period in each annual report

Schedule

- March 2023 – Provide violation/enforcement log
- March 2024 – Provide violation/enforcement log
- March 2025 – Provide violation/enforcement log
- March 2026 – Provide violation/enforcement log
- March 2027 – Provide violation/enforcement log

Educational Activities

Description:

During each reporting period the City will mail a stormwater educational brochure to each facility on the City's HVPS inventory. The brochure will address many of the stormwater pollution issues found at the majority of the facilities on the HVPS inventory.

Measurable Goals:

- Distribute educational brochure during each facility inspection
- Copy of educational brochure distributed to industrial facilities

Schedule

- March 2023 – Distribute information handout to facilities during inspection
- March 2024 – Distribute information handout to facilities during inspection
- March 2025 – Distribute information handout to facilities during inspection
- March 2026 – Distribute information handout to facilities during inspection
- March 2027 – Distribute information handout to facilities during inspection

Construction Site Management

Permit Requirement: The permittee must implement and enforce a program to maintain structural and/or non-structural BMPs to reduce pollutants in stormwater runoff from construction sites to the MS4. Included in the permittee's program are both construction activities that result in a land disturbance of greater than or equal to one acre and construction activity disturbing less than one acre if the construction activity is part of a larger common plan of development or sale that would disturb one acre or more.

Response: The City of Pooler is a Local Issuing Authority, and remains in compliance with the Georgia Erosion and Sedimentation Act (GESA). Accordingly, all developers are required to comply with the local E&S Ordinance and obtain a land disturbance permit prior to the start of any land disturbing activities (LDA) that will disturb one (1.0) or more acres of land within the city limits. Erosion Sedimentation and Pollution Control Plans (ESPCP) submitted to Pooler are reviewed for compliance with the requirements of GESA. Plans must meet the requirements of GESA and the Pooler E&S Ordinance, which includes the requirement to control turbidity in the site runoff, control impacts on receiving streams, and the implementation of the minimum control measures. Once an ESPCP is approved, the developer is issued a Land Disturbing Activities Permit by Pooler and can commence with land disturbing activities.

Legal Authority

Description:

The City of Pooler maintains a Soil Erosion and Sedimentation ordinance within the City of Pooler Code of Ordinances meeting the requirements of the NPDES Phase I MS4 permit as well as the requirements of the Georgia Erosion & Sedimentation Act (GESA). If the requirements of the aforementioned programs conflict, the more stringent requirement will be maintained. Please note the ordinance was adopted in a previous permit year and a copy of the ordinance can be found in Appendix L.

Measurable Goal:

- The City will maintain the Soil Erosion and Sedimentation ordinance within the City of Pooler Code of Ordinances at all times during the course of the permit. Each reporting period, the City will evaluate the ordinance to determine if revisions are required. If revisions are required, the City will submit a copy of the adopted ordinance in the annual report

Schedule

- March 2023 – Annual review of soil erosion and sedimentation ordinance
- March 2024 – Annual review of soil erosion and sedimentation ordinance
- March 2025 – Annual review of soil erosion and sedimentation ordinance
- March 2026 – Annual review of soil erosion and sedimentation ordinance
- March 2027 – Annual review of soil erosion and sedimentation ordinance

Site Plan Review Procedures

Description:

The City of Pooler is its own Local Issuing Authority, and remains in compliance with the Georgia Erosion and Sediment Control Act (GESA) of 1975 as amended. Accordingly, all developers are required to comply with the Soil Erosion and Sedimentation ordinance and obtain a land disturbance permit prior to the start of any land disturbing activities that will disturb one (1.0) or more acres of land within the city limits.

Erosion Sedimentation and Pollution Control Plans (ESPCP) submitted to the City are reviewed by a Pooler staff member who is certified in accordance with the rules adopted by the Georgia Soil and Water Conservation Commission. Plans must meet the requirements of GESA and the Pooler Soil Erosion and Sedimentation ordinance, which includes the requirement to control turbidity in the site runoff, control impacts on receiving streams and the implementation of the minimum control measures. City staff also review the site plan to ensure the stormwater management plan meets requirements for water quality and water quality treatment as described in the Stormwater Ordinance. City staff will work with a developer to improve a plan until it meets all applicable requirements. Once a plan is approved by Pooler, the developer is issued a Land Disturbance Activity permit and can commence with land disturbing activities.

Measurable Goals:

- Review 100% of ESPCPs for compliance with GESA and the Pooler Soil Erosion and Sedimentation ordinance and grant Land Disturbance Activity permit only after ESPCP is approved
- Provide a list of the site plans received and the number of plans reviewed, approved, or denied during the reporting period in each annual report
- Provide a list of Land Disturbance Activity permits issued during the reporting period in each annual report

Schedule

- Ongoing - Site plan review

Inspection Program

Description:

The City of Pooler operates an E&S inspection program within the City that targets all construction projects that maintain a Land Disturbance Activity permit. Sites are inspected for compliance with their approved ESPCP plan and for proper management of potential sources of pollution such as sediment, petroleum products, litter, and construction debris. All construction sites are inspected shortly after land disturbing activities commence to ensure all structural and non-structural BMPs are properly designed and maintained as specified in the Construction General Permits (CGPs).

Regular inspections occur after that based on the following priorities:

- Significant rain event
- Evidence of erosion or sediment leaving the site
- History of non-compliance with ESPCP plan and E&S regulations
- Citizen complaints
- Proximity to local waterway

Throughout the length of the project, the E&S certified person responsible for the ESPCP implementation onsite is responsible for submitting weekly reports to Pooler on status of that implementation. All construction sites are inspected after construction activity has ceased to ensure the site has been properly stabilized. A log is maintained by Pooler of all E&S inspection records.

During inspections, City staff will check for compliance with the approved ESPCP, the City's Soil Erosion and Sedimentation ordinance, and with the illicit discharge provisions of the Stormwater Ordinance. Staff will ensure the BMPs are in place to control truck washout, chemicals, litter, fuels, erosion, sedimentation, etc.

Measurable Goals:

- 100% of construction sites with LDA permits inspected after installation of initial BMPs
- 100% of construction sites with LDA permits inspected during construction
- 100% of construction sites with LDA permits inspected at the close of land disturbing activities
- 100% of records from inspections entered into City E&S log
- Provide a list of active sites and the number of inspections and dates of the inspections conducted during the reporting period in each annual report

Schedule

- Ongoing – A minimum of one inspection per every construction site with a Land Disturbance Activity permit during the reporting period.

Enforcement Procedures

Description:

If upon inspection a site is found to be in non-compliance, the Land Disturbance Activity permit holder will be notified. The contractor is provided with a copy of the inspection report and shall have five days to correct the violation. City E&S inspectors then re- inspect the site to verify corrective measures have been implemented. Following the third and each subsequent violation, an immediate stop-work order shall be issued. No work shall be allowed on the site except to address those deficiencies identified in the inspection and subsequent re-inspections.

Stop work orders shall be issued immediately without prior warnings if any of the following are identified on a site:

- Regulated land disturbing activities are being undertaken without a Land Disturbance Activity permit
- Failure to maintain a stream buffer
- Significant amounts of sediment as determined by the local issuing authority or by the director or his or her designee, have been or are being discharged into state waters and where best management practices have not been properly designed, installed, and maintained

For a more detailed description of enforcement procedures regarding E&S violations, the reader is directed to the Soil Erosion and Sedimentation ordinance in Appendix L as well as the City's Enforcement Response Plan in Appendix B.

Measurable Goal:

- Provide documentation on any enforcement actions taken during the reporting period in each annual report including the number, type (e.g. Notice of Violation, Stop Work Order) and amount of any assessed penalties.

Schedule

- Ongoing - Enforcement procedures

Certification

Description:

Georgia Erosion and Sedimentation Act (GESA), as amended, requires all local government employees involved with plan review, site inspections, or Soil Erosion and Sedimentation ordinance enforcement, as well as construction site operators to undergo the applicable training seminars developed by the Georgia Soil and Water Conservation Commission (GSWCC). The City requires all construction site operators to provide evidence in the LDA permit application that they have received appropriate GSWCC certification. Evidence of site personnel certification must be produced during E&S inspections.

Measurable Goals:

- Ensure all builders, developers, contractors, and other entities involved in construction activities subject to the Construction General Permits (CGPs) comply with the certification requirements of GESA and the rules adopted by the GSWCC
- Ensure all MS4 staff involved in construction activities subject to the CGPs are trained and certified in accordance with the rules adopted by the GSWCC
- Provide the documentation of certifications held by MS4 staff in each annual report

Schedule

- Ongoing – GSWCC training/certification

Highly Visible Pollutant Sources (HVPS)

Permit Requirement: The permittee must implement and enforce a program to control pollutants in stormwater runoff from HVPS facilities into the MS4.

HVPS Facility Inventory

Description:

The City of Pooler maintains an inventory of commercial businesses and facilities that are considered to have the potential to be highly visible sources of pollutants. The types of businesses included in this list are as follows:

- Automotive repair/maintenance/car wash facilities
- Gasoline service stations
- Landscape, nursery, and garden related businesses

This list is maintained from and updated annually based on the current business license database. The inventory contains the following information: name of facility, street address, and type of operation. The current HVPS inventory is in Appendix M.

Measurable Goal:

- Provide an updated HVPS inventory in each annual report

Schedule

- March 2023 – Update HVPS inventory
- March 2024 – Update HVPS inventory
- March 2025 – Update HVPS inventory
- March 2026 – Update HVPS inventory
- March 2027 – Update HVPS inventory

Inspection Program

Description:

The Public Works Department will be responsible for conducting stormwater inspections onsite at facilities on the highly visible pollutant sources (HVPS) inventory. A Stormwater Inspection Checklist shall be used, and a database shall be maintained on all inspections, problems found, and actions taken. The checklist is included in Appendix M. Should an inspection reveal a potential threat to water quality in the MS4 that violates the Stormwater Management Ordinance, City staff will notify the industry or business, provide them with a copy of the inspection checklist, and perform a re- inspection (if necessary) to ensure mandatory corrections are made. Twenty percent (20%) of the HVPS facilities in the inventory will be inspected annually such that 100% of identified HVPS facilities are inspected over the course of the permit.

Measurable Goals:

- Provide a completed checklist for each HVPS site inspected during the reporting period in the annual report
- Provide the total number of HVPS facilities and the number and percentage of HVPS facility inspections conducted during the reporting period in the annual report

Schedule

- March 2023 – Complete inspections of 20% of HVPS facilities
- March 2024 – Complete inspections of 20% of HVPS facilities
- March 2025 – Complete inspections of 20% of HVPS facilities
- March 2026 – Complete inspections of 20% of HVPS facilities
- March 2027 – Complete inspections of 20% of HVPS facilities

Enforcement Procedures

Description:

If a stormwater violation is noted at an HVPS facility, then the City will proceed to an enforcement action as outlined in the Enforcement Response Plan.

Measurable Goal:

- Provide documentation on any enforcement actions taken at HVPS facilities during the reporting period in each annual report

Schedule

- Ongoing - Enforcement procedures

Educational Activities

Description:

During each reporting period the City will mail a stormwater educational brochure to each facility on the City's HVPS inventory. The will address many of the stormwater pollution issues found at majority of the facilities on the HVPS inventory

Measurable Goals:

- Provide documentation of any HVPS facility educational activities performed or educational materials distributed during the reporting period in each annual report

Schedule

- March 2023 – Mail HVPS educational material to HVPS facilities
- March 2024 – Mail HVPS educational material to HVPS facilities
- March 2025 – Mail HVPS educational material to HVPS facilities
- March 2026 – Mail HVPS educational material to HVPS facilities
- March 2027 – Mail HVPS educational material to HVPS facilities

Enforcement Response Plan (ERP)

Permit Requirement: The permittee must develop and implement an ERP that describes the action to be taken for violations associated with the IDDE, construction, industrial, HVPS, and other SWMP programs. The ERP will detail the permittee's responses to any noted stormwater violations, including escalating enforcement responses to address repeat and continuing violations. The ERP must detail:

- Names of ordinances providing the legal authority to undertake enforcement, including citation of specific ordinance sections;
- Types of enforcement mechanisms available. The ERP should list the enforcement actions the permittee has the authority to use, including such actions as:
    - verbal warnings;
    - written notice of violations;
    - citations (with fines);
    - stop work orders;
    - withholding plan approval or other authorizations;
    - order of cessation or elimination of discharge;
    - referral for judicial action/enforcement; and
    - any other available enforcement mechanisms;
- Description of when each enforcement mechanism will be employed, including the path of escalation;
- Time frames for each step, including investigation of noncompliance, sequence and use of enforcement mechanisms, corrective action by responsible party, re-inspection of site, etc.
- Description of the methods to be used to track, either manually or electronically, instances of noncompliance, including such items as:
    - name of the owner/operator of facility and/or the location or address;
    - type of site (e.g. IDDE, construction, industrial, HVPS, etc.);
    - description of non-compliance;
    - description of enforcement action(s) used;
    - time frames for each step (e.g. investigation, corrective action, re-inspection);
    - documentation of inspection and enforcement actions taken;
    - documentation of any penalties assessed;
    - documentation of referral to other departments or agencies; and
    - date of violation resolution.

Response: The City of Pooler developed an Enforcement Response Plan in 2013 and the ERP was accepted by EPD. The City will review the ERP annually. If a revision is necessary, the ERP will be submitted to EPD for review with the annual report. A copy of the ERP is included in the SWMP in Appendix B.

Impaired Waterbodies

Permit Requirement: The permittee must identify any impaired waterbodies located within its jurisdictional area, using the latest approved Georgia 305(b)/303(d) List of Waters, which contain MS4 outfalls or are within one linear mile downstream of MS4 outfalls. Also, the pollutant of concern (POC) must be identified. The permittee shall propose a monitoring and implementation plan (Plan) addressing each POC. The permittee must check annually whether an impaired waterbody within its jurisdiction has been added to the latest 305(b)/303(d) list.

Newly listed waterbodies must be addressed in the Plan and the SWMP must be revised accordingly. The permittee must report on all monitoring activities in subsequent annual reports. If a Total Maximum Daily Load (TMDL) containing a wasteload allocation specific to one or more of the permittee's outfalls is approved, then the wasteload allocation must be incorporated into the SWMP. All previous and newly approved TMDLs within the jurisdictional areas must be included in either the proposed Plan or a revision to the existing Plan. The Plan shall include:

- Sample location, whether samples are collected instream (i.e. upstream and downstream), from outfalls during wet weather events, or a combination of both locations. If the permittee chooses to conduct outfall sampling and there are multiple outfalls located on an impaired waterbody, then the permittee may choose representative outfalls for sampling in place of sampling all outfalls;
- Sample type, frequency, and any seasonal considerations;
- Implementation schedule to start monitoring for each POC;
- Map showing the location of the impaired waterbodies, the monitoring location, and all identified MS4 outfalls located on the impaired waterbodies or occurring within one linear mile upstream of the waterbodies, or a schedule for confirming the location of these outfalls; and
- Description of proposed BMPs to be used to control and reduce the POCs and a schedule for implementation of these BMPs.

At this time the City does not have any impaired waters requiring bacteriological monitoring.

Following review and comment on the Plan by EPD, the permittee will incorporate necessary changes into the Plan.

Each annual report shall include:

- All monitoring data collected during the reporting period;
- An assessment of the data trends over time for each POC. The assessment shall initially include a characterization of baseline conditions. The data assessment shall include a written evaluation of whether water quality is improving, declining, fluctuation, or remaining constant (e.g. line graph). If monitoring identifies that an upstream MS4 is the source of the POC, then the permittee must notify the immediately adjacent MS4;
- An assessment to determine the effectiveness of the BMPs employed and what, if any, additional adaptive BMP measures may be necessary to return the

waterbody to compliance with State water quality standards. If BMP revisions and/or additional BMPs are necessary, then the revised Plan must be submitted to EPD for review.

For those waterbodies where the permittee is conducting monitoring, the data must be made available to other MS4 permittees upon request. In the event that monitoring is performed in accordance with an EPD-approved Sampling Quality and Assurance plan, and a waterbody is removed from the 303(d) list of impaired waterbodies, then monitoring conducted under the Plan may cease. Monitoring for the purposes of de-listing an impaired waterbody will benefit the permittee through reduced expenses associated with long-term testing.

Response: The City of Pooler currently does not have any impaired waters at this time. The City will review the latest 305(b)/303(d) list annually. If an impaired waterbody within its jurisdiction has been added to the list, the Plan will be revised accordingly and submitted to EPD for review with the annual report.

Municipal Employee Training

Permit Requirement: The permittee must obtain stormwater-related training for its employees at least annually. The training should address such stormwater topics as are necessary for the employee to do his/her job and may include topics such as the inspection and maintenance of the MS4, good housekeeping practices at municipal facilities, illicit discharge detection and elimination, industrial facility inspections, construction site inspections, highly visible pollutant source inspections, green infrastructure and low impact development training, and runoff reduction/quality training. Documentation of the training activity, including the topic(s), date(s), and attendees must be provided in each annual report.

Municipal Employee Training

Description:

The City of Pooler will conduct employee training for those employees who work in any municipal facility with the potential to cause pollution, and/or perform inspections and maintenance related to stormwater.

Measurable Goal:

- Provide documentation of the municipal employee training activity, including the topic(s), date(s), and attendees, conducted during the reporting period in each annual report

Schedule

- March 2023 – Conduct employee training
- March 2024 – Conduct employee training
- March 2025 – Conduct employee training
- March 2026 – Conduct employee training
- March 2027 – Conduct employee training

Public Education

Permit Requirement: The permittee must conduct a public education program that addresses water quality issues and the protection of water resources and encourages the use of green infrastructure/low impact development. The program should consider topics, such as litter control, illicit discharges, household hazardous waste disposal, and residential pesticide, fertilizer, and herbicide application, and GI/LID techniques. If the permittee participates in an existing regional program, then the annual report should summarize the activities performed during the reporting period. If the permittee implements its own public education program, it must include a minimum of three separate public education activities. The proposed program must be described in the SWMP, including a description of the activity, the frequency of the activity, and the method that will be used to document the activity. Documentation of educational activities conducted during the reporting period must be provided in each annual report.

Stormwater Website

Description:

The City maintains a website for disseminating information to the public. Included on the City's Public Works page is a Stormwater Management Information section. This page will be maintained annually to include educational information about the City's Stormwater Management Program, Recycling, Water Quality Report, YouTube video on how to spot illicit discharges and EPA educational brochures. Additionally, new educational information will be added to the website as needed. Per the requirements of the permit, this SWMP will also be added to the website once approved by EPD.

The website address for the City Stormwater Management Program is noted below:
https://www.pooler-ga.gov/pooler-departments/public-works-department

Measurable Goal:

- The City will continue to maintain the Stormwater Management Program with stormwater educational information
- Screenshot of the Stormwater Management Program with educational links

Schedule

- Ongoing – Maintain Stormwater Webpage

Stormwater Mailer

Description:

The City will distribute educational mailers to inform citizens of what stormwater, how pollutants entering the stormwater can cause problems and simple ways they can prevent stormwater pollution. Annually, the City will target a section of the City to send mailers.

Measurable Goal:

- The City will target a section of the City to send out educational mailers
- Annually report on number of mailers sent out
- Provide a location map of the area targeted

Schedule

- March 2023 – Distribute mailers
- March 2024 – Distribute mailers
- March 2025 – Distribute mailers
- March 2026 – Distribute mailers
- March 2027 – Distribute mailers

Stormwater Brochures

Description:

The City will place informational brochures about stormwater pollution prevention at City Hall. Brochures are reviewed on an annual basis and new brochures may be chosen and distributed. Educational topics may include litter control, illicit discharges, household hazardous waste disposal, residential pesticide, fertilizer, herbicide application, pet wastes, fats, oils and grease, and GI/LID techniques. Brochures are restocked as needed.

Measurable Goal:

- Distribute educational brochures at City Hall and/or during outreach events, site inspections, etc.
- Review brochures on an annual basis and update as needed.
- Restock brochures as needed.
- Details and documentation of brochures will be included in the annual report.

Schedule

- March 2023 – Distribute, review brochures and restock brochures
- March 2024 – Distribute, review brochures and restock brochures
- March 2025 – Distribute, review brochures and restock brochures
- March 2026 – Distribute, review brochures and restock brochures
- March 2027 – Distribute, review brochures and restock brochures

Facebook Page

Description:

Given the popularity of Facebook.com, the City has established a page on Facebook to assist in distributing information and updating the public on the activities of the City's Stormwater Management Program. The City will update the Facebook page a minimum of once per reporting period with messages about the stormwater program, stormwater education, stormwater issues around the City, or stormwater projects the City has completed.

Measurable Goal:

- The City will update the Stormwater Facebook page with educational information a minimum of once per year
- Provide screenshot of the City's Facebook page which has stormwater educational information

Schedule

- Ongoing – Maintain City's Facebook Page

Public Involvement

Permit Requirement: The permittee must conduct a public involvement program that creates opportunities for citizens to participate in the SWMP. This can include involving the public in planning and implementation of activities. These activities can include such things as Adopt-A- Stream, Adopt-A-Road, Rivers Alive, storm drain stenciling, stakeholder advisory committees, comprehensive planning committees, etc. The proposed program must consist of a minimum of three separate public involvement activities. The proposed program must be described in the SWMP, including a description of the activity, the frequency of the activity, and the method that will be used to document the activity. Documentation of the public involvement activities conducted during the reporting period must be provided in the Annual Report. If the permittee has a website, the SWMP, as well as any updates, must be posted on the website.

Recycling

Description:

The City provides citizens the opportunity to recycle a variety of materials. Citizens are provided with either a yellow lid cart or green lid cart. Each color lid is collected every other week. Recyclables are left on the curb for collection. The following materials are accepted for recycling:

- Plastics #1 and #2
- Paper
- Cardboard
- Metal Cans
- Aluminum Cans
- Clean Pizza Boxes
- Aseptic Packaging

Schedules for recycling days will be provided on the City's website along with a list of items that are acceptable and not acceptable to recycle.

Measurable Goal:

- Advertise recycling schedule and items acceptable for recycling on the City's website
- Collect recyclables on a weekly basis
- Details and documentation of recycling will be included in the annual report

Schedule

- Weekly – Recycling Program

Public Complaint Stormwater Reporting

Description:

The City of Pooler's official website contains an area where any citizen can report a water quality issue. These complaints are logged electronically and forwarded to the Public Works Department for investigation and resolution.

The City has established procedures for encouraging and addressing citizen concerns about water quality. City employees receive citizen complaint calls, and use the caller's information to generate a work order. The work order is forwarded to the Public Works Department, which is responsible for taking action to address calls that relate to water quality within three business days. The Public Works staff record actions taken to address the complaint in the work order and maintain a database of all finished work orders related to potential illicit discharges, illegal dumping, and other water quality violations. The Public Works Department maintains a database of all finished work orders. When appropriate, the City will notify the complainant regarding the results of the investigation and any actions undertaken by the City staff regarding drainage issues/complaints affecting their property. In addition, the City will also make available to any member of the public, upon their request, information regarding citizen complaints and any actions taken by the City to address those complaints.

Measurable Goal:

- Provide details on any activities regarding public reporting procedures conducted during the reporting period in each annual report
- Provide documentation on each complaint related to IDDE that was received and investigated during the reporting period, including its status, in each annual report

Schedule

- Database update – As calls are received
- Water Quality investigation – As calls are received

Community Event Participation

Description:

The City will host a stormwater and water resources related education booth at one public event during each reporting year. Educational brochures related to litter control, illicit discharges, household hazardous waste disposal, residential pesticide, fertilizer, herbicide application, pet wastes, fats, oils and grease, or GI/LID techniques will be distributed during the event. Event details and copies of education material provided will be included in the annual report.

Measurable Goal:

- Set up booth to educate the public about stormwater and water resources

Schedule

- Annual 2023-2027 – Community event participation

Council Meeting Public Participation

Description:

During City Council meetings major stormwater maintenance activities are discussed and approved. When a construction project related to stormwater needs to be approved, it is first put on the Council agenda. This agenda is available online for Citizens to download and review. At the Council meeting citizens can voice their opinion on stormwater related topics in the comment portion of the meeting. Council meetings are held on at minimum once a month and sometimes twice a month.

Measurable Goal:

- Hold at least one Council meeting with stormwater related topics
- Allow citizens opportunity to voice opinions on stormwater related projects
- Provide Council agenda and minutes with each Annual Report

Schedule

- Ongoing – Council Meeting

Post-Construction

Permit Requirement: The permittee must adopt ordinances, or update existing ordinances, when necessary for compliance with this permit, to address development and enforcement of post-construction controls. The ordinance must provide the authority to conduct plan reviews, conduct inspections, enter into inspection and maintenance agreements, and pursue enforcement. If the ordinance is revised during the reporting period, submit a copy of the adopted ordinance with the annual report.

Post-Construction Stormwater Controls

Ordinance Review

The City of Pooler will maintain a post-construction stormwater management ordinance within the City of Pooler Code of Ordinances meeting the requirements of the NPDES Phase I MS4 permit, which includes requirements of the Georgia Stormwater Management Manual (GSMM) latest edition and the Coastal Stormwater Supplement (CSS). If the requirements of the aforementioned programs conflict, the more stringent requirement will be maintained. Please note the post-construction stormwater management ordinance is part of the Stormwater Management Ordinance that was adopted in a previous permit year and a copy of the ordinance is in Appendix I.

Performance Standards

The City of Pooler will apply the standards for new development and redevelopment to any site that meets one or more of the following criteria:

- New development that creates or adds 5,000 square feet or greater of new impervious surface area, or that involves land disturbing activity of one acre of land or greater
- Redevelopment that creates, adds or replaces 5,000 square feet or greater of impervious surface area, or that involves land disturbing activity of one acre or more.

For sites meeting the above criteria, the City of Pooler will ensure that the following minimum standards are considered during the site plan preparation process:

Stormwater Runoff Quality/Reduction Stormwater runoff shall be retained onsite or adequately treated prior to discharge.

- Stormwater runoff shall be retained onsite or adequately treated prior to discharge. As identified in the CSS, reducing the runoff generated by 1.2 inches of rainfall is a reasonable initial target. If that target cannot be met, the City of Pooler will ensure that adequate documentation is provided to show that no additional runoff reducing green infrastructure practices can be used on the development site. At a minimum, appropriate green infrastructure practices must be used to reduce the stormwater runoff volume generated by the 0.6 inch rainfall event (and the first 0.6 inches of all larger rainfall events). Any of the stormwater runoff generated by the 1.2 inch storm event (and the first 1.2 inches of all larger rainfall events) that is not reduced on the development site shall be intercepted and treated in one or more stormwater management practices that provides at least 80 percent reduction in total suspended solids loads and that reduce nitrogen and bacteria loads to the maximum extent practicable.

Stream Channel/Aquatic Resource Protection Stream channel and/or aquatic resource protection shall be provided by using the following approaches: 1) 24-hour extended detention storage of the 1-year, 24-hour return frequency storm event; 2) erosion prevention measures such as energy dissipation and velocity control; and 3) preservation of the applicable stream buffer.

Overbank Flood Protection Downstream overbank flood protection shall be provided by controlling the post-development peak discharge rate to the predevelopment rate for the 25-year, 24-hour storm event.

Extreme Flood Protection Extreme flood protection shall be provided by controlling the

100-year, 24-hour storm event such that flooding is not exacerbated.

Trout Stream Protection For receiving waters with a trout stream designation, which contain outfalls from the permittee's MS4, the permittee must address the protection of the trout waters from impacts from the MS4 outfalls due to elevated temperature. At this time there are no designated trout streams located within the City's MS4.

Linear Transportation Projects

The City of Pooler will apply the performance standards listed in Part 3.3.11(a)(2) during the design of all construction projects. However, the City of Pooler may be unable to apply the performance standards, all or in part, for linear transportation projects being constructed by the City of Pooler. The City of Pooler may develop a feasibility program which sets reasonable criteria for determining when implementing the performance standards in linear projects is infeasible. The City of Pooler may develop this feasibility program and submit it to EPD for review. Upon submittal to EPD, the City of Pooler may begin implementation of this feasibility program for linear transportation projects only.

Measurable Goal:

- The City will maintain a post-construction stormwater management ordinance within the Code of Ordinances at all times during the course of the permit. Each reporting period, the City will evaluate the ordinance to determine if revisions are required. If revisions are required, the City will submit a copy of the adopted ordinance to EPD to be included in the SWMP
- Enforce the use of Georgia Stormwater Management Manual (GSMM), Coastal Stormwater Supplement (CSS) and local design manual in local development
- Utilize the GSMM, CSS, and local design manual during 100% of plan reviews

Schedule

- Ongoing - Enforce and Utilize GSMM, CSS, and local design manual during plan review
- March 2023 – Review of Stormwater Management Ordinance
- March 2024 – Review of Stormwater Management Ordinance
- March 2025 – Review of Stormwater Management Ordinance
- March 2026 – Review of Stormwater Management Ordinance
- March 2027 – Review of Stormwater Management Ordinance

Green Infrastructure/Low Impact Development

Permit Requirement: The permittee must develop and implement a program to address GI/LID techniques and practices. A program should also be developed which describes what practices and techniques should be implemented by the permittee. The permittee will also be responsible for developing a GI/LID structure inventory and creating an inspection and maintenance schedule for GI/LID structures.

GI/LID Program Elements

Legal Authority

The City of Pooler will continue to review and revise, where necessary, 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. At a minimum, the City of Pooler will assess those regulations governing residential and commercial development, road design, land use, and parking requirements.

Measurable Goals:

- If revisions are determined to be warranted as a result of the annual evaluation, all changes will be submitted to EPD as part of the annual report
- Provide documentation of annual evaluation in annual report

Schedule

- March 2023 – Annual review of City GI/LID ordinances
- March 2024 – Annual review of City GI/LID ordinances
- March 2025 – Annual review of City GI/LID ordinances
- March 2026 – Annual review of City GI/LID ordinances
- March 2027 – Annual review of City GI/LID ordinances

GI/LID Program

The City of Pooler has developed a GI/LID program. The program includes procedures for evaluating the feasibility and site applicability of different GI/LID techniques and practices, and various structures and practices to be considered. If the program is revised during the reporting period, the revised program will be submitted to EPD for review with the annual report.

Measurable Goals:

- Evaluate the feasibility and site applicability of different GI/LID techniques and practices, and various structures and practices

Schedule

- March 2023 – Annual review of GI/LID program
- March 2024 – Annual review of GI/LID program
- March 2025 – Annual review of GI/LID program
- March 2026 – Annual review of GI/LID program
- March 2027 – Annual review of GI/LID program

GI/LID Structure Inventory

The City of Pooler will track the addition of Green Infrastructure (GI) / Low Impact Development (LID) structures through the plan review process and ensure that the structures are added to the GI/LID structure inventory. The updated inventory including the type and total number or structures will be included with each annual report.

Measurable Goals:

- Update the inventory with new structures and submit the updated inventory in each annual report

Schedule

- March 2023 – Update GI/LID structure inventory
- March 2024 – Update GI/LID structure inventory
- March 2025 – Update GI/LID structure inventory
- March 2026 – Update GI/LID structure inventory
- March 2027 – Update GI/LID structure inventory

Inspection & Maintenance Program

The City of Pooler will ensure that inspections are conducted on 100% of the total privately owned non-residential, permittee owned and publicly owned by other entities GI/LID structures within the 5-year permit term. The City of Pooler will provide the number and/or percentage of the total GI/LID structures inspected during the reporting period in each annual report.

The City of Pooler will conduct maintenance on the GI/LID structures it owns, as needed. The City of Pooler will provide the number and/or percentage of the total GI/LID structures maintained during the reporting period in each annual report.

The City of Pooler will implement procedures to ensure privately-owned non-residential and publicly owned by other entities GI/LID structures are maintained as needed. The City of Pooler will provide documentation of these activities in each annual report.

Measurable Goals:

- Inspect 100% of the total privately owned non-residential, permittee owned and publicly owned by other entities GI/LID structures within a five year period. Provide the number and/or percentage of the total structures inspected during the reporting period in each annual report
- Conduct maintenance on permittee owned GI/LID structures, as needed. Provide the number and/or percentage of the total structures maintained during the reporting period in each annual report
- Develop procedures to ensure privately-owned non-residential and publicly owned by other entities GI/LID structures are maintained as needed and submit a summary list of maintenance agreements in the annual report and documentation of any activities taken to ensure maintenance of these structures.
- Submit documentation of all inspections conducted GI/LID inventory and maintenance performed on permittee owned GI/LID structures during the reporting period in the annual report

Schedule

- March 2023 – Inspect 25% of private non-residential, permittee owned and publicly owned by other entities GI/LID structures
- March 2024 – Inspect 25% of private non-residential, permittee owned and publicly owned by other entities GI/LID structures
- March 2025 – Inspect 25% of private non-residential, permittee owned and publicly owned by other entities GI/LID structures
- March 2026 – Inspect 25% of private non-residential, permittee owned and publicly owned by other entities GI/LID structures
- March 2027 – Inspect 25% of private non-residential, permittee owned and publicly owned by other entities GI/LID structures
- Annually – Maintain as needed 100% of permittee owned GI/LID structures