

State of Georgia
Environmental Protection Division

Phase I Medium
Municipal Separate Storm Sewer System
Annual Report

Return to:

Georgia Environmental Protection Division
Watershed Protection Branch
NonPoint Source Program
2 Martin Luther King, Jr. Dr.
Suite 1462 East
Atlanta, Georgia 30334

Version: December 2019

Phase I Medium Municipal Separate Storm Sewer System (MS4)
Annual Report

Part 1- General Information

- A. Name of Permittee: City of Savannah
- B. Mailing Address: P.O. Box 1027 Savannah, GA 31402
- C. Contact Person: Roger Raines, P.E. Title: Director, Stormwater Management
- D. E-Mail Address: rraines@savannahga.gov
- E. Telephone Number: (912) 650-7855
- F. Reporting Period (April 1, 2019 through March 31, 2020)
- G. List any other party or parties (e.g. Keep America Beautiful affiliates) responsible for implementing the Storm Water Management Program (SWMP) or a program component during this reporting period. If not previously submitted, provide a Memorandum of Agreement: Not Applicable (N/A)
- H. Certification Statement:

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

Signature: _____

Printed Name: Roger D. Raines, P.E.

Title: Director, Stormwater Management

Date: 5/14/2020

Part 2 - Implementation Status of SWMP Components

A. Structural and Source Control Measures (Section 3.3.1)

Note: The permittee must maintain an updated inventory of all permanent control structures. At a minimum, include catch basins, ditches, detention/retention ponds, and storm drain lines.

1. Structural Controls (Table 3.3.1, Item 1)

- a. How many permanent control structures for which the MS4 is responsible were added during this reporting period? (explain type and number of each) See table below

Structure	Quantity Added
Catch basins (inlets)	44
Ditches & canals	-32,660 ft (footage reduced for non-maintained ditches with no access through wetlands)
Storm drain lines	-1,040 ft (footage reduced by removing private driveway culvert pipes and abandoned pipes from public inventory)
Tide gates	6 (changed how existing tide gates are counted)
Stormwater pump stations	0
Detention/retention ponds	0

- b. Including the structures added this reporting period, what is the total number of permanent control structures which the permittee is responsible for inspecting and maintaining?

Structure	Quantity
Catch basins (inlets)	14,114
Ditches & canals	809,860 ft (153.38 miles)
Storm drain lines	2,178,340 ft (412.56 miles)
Tide gates	19
Stormwater pump stations	7
Detention/retention ponds	5

2. Inspection and Maintenance (Table 3.3.1, Item 2)

- a. Were inspections of MS4 structures performed using geographical areas or sectors? Yes * No

*Partially, as some storm line and inlet (catch basin) inspections were done by neighborhood

b. How many permanent control structures were inspected from 2017-2022?

Catch Basins

Year	Total Number Catch Basins	Number Catch Basins Inspected	% Inspected
2017-2018	14,042	2,622	18.67%
2018-2019	14,070	2,071	17.61%
2019-2020	14,114	3,774	26.74%
2020-2021			
2021-2022			
TOTAL			

Pipes

Year	Total Pipes Number or Length (specify ft. or miles)	Number of Pipes or Length Inspected (specify ft. or miles)	% Inspected
2017-2018	413.30 miles	85.61 miles	20.71%
2018-2019	412.76 miles	103.03 miles	24.96%
2019-2020	412.56 miles	88.76 miles	21.52%
2020-2021			
2021-2022			
TOTAL			

Ditches

Year	Total Ditches Number or Length (specify ft. or miles)	Number of Ditches or Length Inspected (specify ft. or miles)	% Inspected
2017-2018	160.35 miles	82.26 miles	51.30%
2018-2019	159.57 miles	28.10 miles	17.61%
2019-2020	153.38 miles	32.80 miles	21.38%
2020-2021			
2021-2022			
TOTAL			

Detention/Retention Ponds

Year	Total Number of ponds	Number of Ponds Inspected	% Inspected
2017-2018	5	0	0%
2018-2019	5	2	40%
2019-2020	5	1	20%
2020-2021			
2021-2022			
TOTAL			

c. How many permanent control structures were maintained during this reporting period?

catch basins 2280
ditches (miles or linear feet) 16.71 miles
detention/retention ponds 5 (mowing)
storm drain lines (miles or linear feet) 28.19 miles
other N/A N/A

d. Describe any tasks associated with control structure inspection and maintenance (e.g. repairs), not addressed in the questions above: N/A

3. Master Plan (Table 3.3.1, Item 3)

a. Does your municipality have a comprehensive planning document (e.g. Master Plan), which in part addresses stormwater? Yes No

b. If the answer to A.3.a was “yes”, describe any changes made to the stormwater portion of the comprehensive planning document during the reporting period: No changes were made to the stormwater portion during the reporting period.

4. Street Maintenance (Table 3.3.1, Item 4)

a. How many miles of streets were swept during the reporting period? 31,810.8 miles

b. Describe any litter removal activities performed during the reporting period (e.g. dates, people performing litter pickup, etc.), including the amount of debris removed (e.g., pounds, number of bags, or area cleaned) (e.g., miles of streets, areas): Litter tons collected: 5937.2

c. Describe any practices for maintaining streets that were not addressed in the questions above (deicing practices, road repair procedures, etc.) that reduce pollution from stormwater runoff: Road maintenance projects that involve removal

of pavement subgrade and landscaping are reviewed and inspected by the Stormwater Department for adequate sediment control.

5. Flood Management Projects (Table 3.3.1, Item 5)

a. **New** flood management projects

1. Were any new flood management projects (e.g. wet or dry retention ponds, channels) assessed for water quality impacts during site plan review during the reporting period?

Yes No

2. If yes, provide the number of new projects where water quality assessments were performed: N/A

b. **Existing** flood management projects

1. Were any existing structural flood control devices (e.g. wet or dry retention basins, channels) evaluated during the reporting period to determine if retrofitting the device for additional pollutant removal is feasible?

Yes No

2. If yes, please provide details on the location of any existing flood management project(s) and the evaluation performed (date, what did evaluation consist of, outcome): N/A

6. Municipal Facilities with the Potential to Cause Pollution (Table 3.3.1, Item 6)

a. The permittee must maintain and provide a current inventory of municipal facilities with the potential to cause pollution. Is an updated inventory attached to this report?

Yes No

b. Provide the total number of these municipal facilities included on the inventory: 13

c. Provide the number and percentage of these municipal facilities inspected during the period from 2017-2022:

Year	Number of Facilities	Number of Facilities Inspected	% Inspected
2017-2018	13	3	23.08%
2018-2019	13	3	23.08%
2019-2020	13	2	15.38%
2020-2021			
2021-2022			
TOTAL			

e. SWMP Compliance

1. Did you comply with the inspection frequency described in the SWMP?

Yes No

2. If not, describe the reason and provide the steps taken to comply with the SWMP during the next reporting period: N/A

f. Documentation of each inspection performed must be attached as an addendum to this report. Are completed inspection reports or some other type of documentation attached? Yes No

g. Describe any problems identified during the inspection and any corrective actions taken: No issues were observed.

h. Were any measures to control runoff from municipal facilities implemented during the reporting period?

Yes No

If yes, provide details: N/A

7. Pesticide, Fertilizer and Herbicide (PFH) Application (Table 3.3.1, Item 7)

a. Were any of the following tasks related to a pesticide, herbicide, fertilizer management program completed during the reporting period?

Greenscapes Division - Parks Maintenance

Task Completed	Yes	No	Not Applicable
Developed or updated inventory of PFH used by MS4	X		
Municipal employee safety training in use, storage and disposal of PFH	X		
Implemented program for municipal use of native, low-maintenance, or drought-resistant vegetation		X	

Stormwater Management Department

Task Completed	Yes	No	Not Applicable
Developed or updated inventory of PFH used by MS4			X
Municipal employee safety training in use, storage and disposal of PFH			X
Implemented program for municipal use of native, low-maintenance, or drought-resistant vegetation		X	

Greenscapes Division - Right-of-Way Maintenance

Task Completed	Yes	No	Not Applicable
Developed or updated inventory of PFH used by MS4	X		
Municipal employee safety training in use, storage and disposal of PFH	X		
Implemented program for municipal use of native, low-maintenance, or drought-resistant vegetation			X

Cemeteries Department

Task Completed	Yes	No	Not Applicable
Developed or updated inventory of PFH used by MS4		X	
Municipal employee safety training in use, storage and disposal of PFH	X		
Implemented program for municipal use of native, low-maintenance, or drought-resistant vegetation	X		

- b. Provide details for the tasks listed as completed in question Part 2.A.7.a above or describe any other programs or tasks performed during the reporting period (e.g. educational activities, certification of employees by Department of Agriculture, procedures or practices, etc.) related to PFH reduction at municipal facilities and rights-of-way. Where appropriate, provide date(s) and other specifics:

Parks Maintenance had one employee attend a pesticide training class for training towards getting his pesticide license. Three employees attended a Hazardous Material Operations class.

Right-of-Way Maintenance is responsible for maintenance of City right-of-ways. Certified Commercial applicators in the department maintain their applicator certifications with the State Department of Agriculture. Remaining department employees that work under the certified applicator have received their private applicators license and receive annual Georgia Competent Applicator of Pesticides training each year in April.

The Cemeteries Department continues to use diatomaceous earth for fire ant control on customer lots and in common areas. Orthene Fire Ant Killer has been phased out. They continue to use safe products for pest control when possible to protect the environment, customers, and employees. The Department has three licensed Commercial Pesticide Applicators. They continue to maintain their CEU's and training as needed and are recruiting other employees to become licensed. The department also continues with sterilization of the fence lines along the 37th Street connector in Laurel Grove North and Laurel Grove South Cemeteries. Finally, the department made updates to its chemical inventory in January, 2020.

- c. Provide details for the tasks or programs performed during the reporting period (e.g. educational activities, verification of certification, permitting procedures, etc.) related to pollution reduction by commercial applicators and distributors. Where appropriate, provide date(s) and other specifics: N/A
- B. Illicit Discharge Detection and Elimination (IDDE) Program (Section 3.3.2)
1. Legal Authority (Table 3.3.2, Item 1)
 - a. Provide the date when the MS4's illicit discharge ordinance was adopted or last updated: November 20, 2018
 - b. If the ordinance was updated during this reporting period, then a copy of the adopted ordinance must be attached to this report. Is a copy of the ordinance attached? Yes
 No
 2. Outfall Inventory and Map (Table 3.3.2, Item 2)
 - a. The permittee must maintain a current inventory and map of all of the MS4 outfalls and the names and location of all waters of the State that receive discharges from those outfalls. How many outfalls, owned or operated by the MS4, were added during the reporting period? 0

b. The permittee must submit an updated inventory and map with each annual report. Are the inventory and map attached?
 Yes No

c. What is the total number of outfalls on the storm sewer system? 213

3. IDDE Plan (Table 3.3.2, Item 3)

a. How many outfalls were inspected by the MS4 during the reporting period? 35

b. Provide the status of the outfall inspections conducted from 2017-2022:

Year	Total Number of Outfalls	Number of Outfalls Inspected	% Inspected
2017-2018	213	43	20.19%
2018-2019	213	43	20.19%
2019-2020	213	35	16.43%
2020-2021			
2021-2022			
TOTAL			

d. Did you comply with the inspection frequency described in the SWMP?
 Yes No

e. If not, describe the reason and provide the steps taken to comply with the SWMP during the next reporting period: N/A

f. Of the outfalls screened during the reporting period, how many of the outfalls had flow? 14

g. Attach completed outfall inspection forms for all outfalls inspected during the reporting period. Are inspection forms attached?
 Yes No

h. For those outfalls with dry weather flow detected, provide information on the results of source identification activities. If laboratory testing was performed in order to verify a pollutant identity, then complete the last column of the table (attach additional sheets if necessary):

Outfall Designation (number or location)	Date Field Screening Performed	Date Laboratory Testing Performed
OF-33	3/12/2020	3/12/2020
OF-73-A	3/12/2020	3/12/2020
OF-73-B	3/12/2020	3/12/2020
OF-158-A	3/17/2020	3/17/2020
OF-53	3/20/2020	3/20/2020
OF-99	3/20/2020	3/20/2020
OF-102	3/20/2020	3/20/2020
OF-116	3/20/2020	3/20/2020
OF-204	3/20/2020	3/20/2020
OF-78	3/26/2020	3/26/2020
OF-105	3/27/2020	3/27/2020
OF-106	3/27/2020	3/27/2020
OF-176	3/31/2020	3/31/2020
OF-184	3/31/2020	3/31/2020

- i. For those outfalls with dry weather flow identified, describe the source tracing activities taken to identify the source, the identified source, and if the source was eliminated (attach additional sheets if necessary):

Outfall	Investigation	Results	Illicit Discharge Eliminated?
OF-33	Field sampling, visual inspections	F. col: 45 MPN; concluded that flow is from groundwater	None detected
OF-73-A	Field sampling, visual inspections	F. col: 790 MPN; concluded that flow is from groundwater	None detected
OF-73-B	Field sampling, visual inspections	F. col: 1300 MPN; concluded that flow is from groundwater	None detected
OF-158-A	Field sampling, visual inspections	F. col: < 18 MPN; concluded that flow is from groundwater	None detected
OF-53	Field sampling, visual inspections	F. col: < 18 MPN; concluded that flow is from groundwater	None detected
OF-99	Field sampling, visual inspections	F. col: < 18 MPN; concluded that flow is from groundwater	None detected
OF-102	Field sampling, visual inspections	F. col: 2400 MPN; concluded that flow is from groundwater	None detected
OF-116	Field sampling, visual inspections	F. col: < 18 MPN; concluded that flow is from groundwater	None detected
OF-204	Field sampling, visual inspections	F. col: < 18 MPN; concluded that flow is from groundwater	None detected
OF-78	Field sampling, visual inspections, upstream sampling	F. col: 13000 MPN; possibly groundwater/fecal from wildlife, but further investigation is needed	Investigation ongoing

OF-105	Field sampling, visual inspections	F. col: 940 MPN; concluded that flow is from groundwater	None detected
OF-106	Field sampling, visual inspections, upstream sampling	F. col: 13000 MPN; possibly groundwater/fecal from wildlife, but further investigation is needed	Investigation ongoing
OF-176	Field sampling, visual inspections	F. col: 130 MPN; concluded that flow is from groundwater	None detected
OF-184	Field sampling, visual inspections	F. col: < 18 MPN; concluded that flow is from groundwater	None detected

j. Provide documentation on any enforcement actions taken for each illicit discharge during the reporting period: No enforcement actions were determined to be necessary.

k. Stream Walks

1. Were any stream walks conducted during the reporting period?

Yes No NA

a. If the stream walks were performed for a reason other than part of the dry weather outfall screening, explain the reason, provide the miles of stream walked, and documentation of the activity (e.g. stream walk form, photographs, etc.): N/A

a. Were the stream walks performed in conjunction with dry weather outfall screening? Yes No

2. If yes, provide the following:

a. Total miles of stream within your jurisdiction: N/A

b. Total miles walked during the reporting period: N/A

c. Percentage of total miles walked during the reporting period: N/A

d. Total number of miles walked during the 2017-2022 permit cycle: N/A

e. Percentage of total miles walked during the 2017-2022 permit cycle: N/A

4. Spill Response (Table 3.3.2, Item 4)

a. Provide information on any spill incidents which occurred during the reporting period, in which a substance entered the storm sewer system (e.g. sanitary sewer overflows, HAZMAT incidents, etc.) (attach additional sheets if necessary):

See Tab 2, Spill Reports. Due to current record keeping practices, it is unknown if the spills listed on the 2019-2020 HAZMAT Spills list entered the storm sewer

system. Per HAZMAT, the majority of the spills were contained before reaching City MS4.

5. Public Reporting (Table 3.3.2, Item 5)

- a. Describe any activities performed during this reporting period to publicize and facilitate public reporting of illicit discharges (provide details, where appropriate): As per the SWMP, information regarding the 311 call center remains on the City website. A video has played on the City TV channel depicting what not to allow into inlets. The website for the Adopt A Drain program (sponsored by the City) provides information on reporting illicit discharges. A link to the Adopt A Drain website is included on the City Stormwater webpage.
- b. Provide information on each complaint related to an illicit discharge received during the reporting period, including the nature of the complaint, investigatory actions, and the status of resolution: See Tab 2, Citizen Complaints

6. Proper Management and Disposal (Table 3.3.2, Item 6)

- a. Describe any activities performed during this reporting period to facilitate the proper management and disposal of used oil and toxic materials, including educational activities, household waste collection programs, etc. (provide details where appropriate, such as dates): The City of Savannah Fats, Oils and Grease program provides residents with household waste cooking oil collection and disposal at its President Street Water Reclamation Facility year round. Public awareness of proper grease disposal was promoted through social media ads. An outreach video runs on the City's Government television channel and the City's website – <http://www.savannahga.gov/watervideos>. A City of Savannah Recycling Day, held at Savannah State University on October 30, 2019, included the collection of household used cooking oil/grease for recycling.

7. Sanitary Sewer Infiltration Controls (Table 3.3.2, Item 7)

- a. Does your MS4 own/operate the sanitary sewer system? If no, skip to Section C. Describe any activities performed during this reporting period to detect and eliminate seepage from municipal sanitary sewers to the storm sewer system: An aggressive I&I program is conducted by City Water & Sewer and Stormwater. Tab 2 contains a listing of the smoke testing, line televising, and lateral inspections to detect and eliminate seepage from sanitary sewers to the MS4.

C. Industrial Facility Stormwater Discharge Control Program (Section 3.3.3)

1. Inventory (Table 3.3.3, Item 1)

- a. The permittee must maintain a current inventory of industrial facilities that discharge to the MS4. Is an updated inventory attached to this report?

Yes No

b. Provide the total number of industrial facilities included on the latest inventory: 55

2. Inspections (Table 3.3.3, Item 2)

a. Were any inspections of industrial facilities conducted during the reporting period?

Yes No

b. If inspections of industrial facilities were performed, then a copy of each completed inspection report form must be attached as an addendum to this report. **(Note: The MS4 should ensure that the inspection report addresses storm water issues, not just industrial pretreatment requirements).** Are industrial facility inspection reports attached?

Yes No

c. Provide the number and percentage of the total number of industrial facilities inspected:

Year	Total Number of Industrial Facilities	Number of Industrial Facilities Inspected	% Inspected
2017-2018	55	11	20.00%
2018-2019	61	11	18.03%
2019-2020	55	9	16.36%
2020-2021			
2021-2022			
TOTAL			

d. Did you comply with the inspection frequency described in the SWMP?

Yes No

e. If not, describe the reason and the steps taken to comply with the SWMP during the next reporting period: N/A

f. Monitoring

1. Did the permittee determine that any industrial users are a substantial pollutant loading to the MS4?

Yes No

2. Was any monitoring of the stormwater runoff from these industrial users conducted by the permittee or were monitoring results requested and received from the industrial facility during the reporting period?

Yes No NA

3. The results of any monitoring performed should be attached as an addendum to this report. Are monitoring results attached?

Yes No N/A

2. Enforcement (Table 3.3.3, Item 3)

a. Were any enforcement actions taken against industrial facilities for storm water violations during the reporting period?

Yes No

b. If yes, provide documentation, including the number and type of enforcement actions, the violations addressed, etc.: N/A

4. Educational Activities (Table 3.3.3, Item 4)

a. Describe the educational activities performed during the reporting period which targeted industries: Three information handouts were given to each industrial site inspected during the reporting year. These handouts included Part 7 “Reporting and Recordkeeping” of the 2017 IGP, the appropriate Part 8 “Sector Specific Requirements” section for their sector, and the appropriate EPA Industrial Stormwater Fact Sheet. The contents of these handouts were discussed with the facility contact. [See Tab 3 - 2019-2020 Handouts (example)]

D. Construction Site Management Program (Section 3.3.4)

1. Legal Authority (Table 3.3.4, Item 1)

a. Are you a Local Issuing Authority? Yes No

b. When was the MS4’s ordinance to control soil erosion and sediment adopted or last updated? January 3, 2019

c. If the ordinance was adopted or updated during this reporting period, then a copy of the adopted ordinance must be attached as an addendum to this report. Is a copy of the ordinance attached?

Yes No

2. Site Plan Review (Table 3.3.4, Item 2):

a. Number of site plans received: 255

- b. Number of site plan reviews conducted: 440
- c. Number of site plans approved: 204
- d. Number of site plans denied: 0
- e. Other (please describe): N/A
- f. A list or table of site plans reviewed, denied, and/or approved during the reporting period should be provided. Is this information attached?
Yes No
- g. Provide information on construction related permitting activities conducted during the reporting period (Table 3.3.4, Item 2):
 - 1. Number of land disturbing activity (LDA) permits issued: 204
 - 2. A list or table of permits issued during the reporting period should be provided. Is this information attached? Yes No
- 3. Inspection Program (Table 3.3.4, Item 3):
 - a. How many active construction sites were inspected during the reporting period? 71
 - b. How many total inspections of these active construction sites were conducted during the reporting period? 189
 - c. A list or table of active sites and the number and dates of inspections conducted on each of these sites should be provided. Is this information attached?
Yes No
- 4. Enforcement (Table 3.3.4, Item 4)
 - a. Provide information on enforcement activities (e.g. stop work orders, warning letters, etc.) at construction sites for erosion and sediment control violations taken during the reporting period (attach additional sheets if necessary):

(See [Tab 4, 2019-2020 Construction Site Enforcement.pdf](#))
- 5. Certification (Table 3.3.4, Item 5)
 - a. MS4 staff involved in construction activities must be trained and certified in accordance with the rules adopted by the Georgia Soil and Water Conservation Commission GSWCC). Provide the staff name and type of each current certification (e.g. copies of certification cards, employee list). Is the information attached?

Yes No (See table below)

Last Name	First Name	Position	GSWCC Level	Certificate #	Exp. Date
<i>Fei</i>	<i>Jian</i>	<i>Sr. Civil Engineer</i>	<i>II</i>	<i>0000021042</i>	<i>04/11/2021</i>
<i>Hoffman</i>	<i>Zackary</i>	<i>Administrator</i>	<i>II</i>	<i>0000067228</i>	<i>10/26/2021</i>
<i>Robinson</i>	<i>Debbie</i>	<i>Construction Insp.</i>	<i>1B</i>	<i>0000063826</i>	<i>05/03/2020</i>
<i>Sheppard</i>	<i>Samuel</i>	<i>Private Dev. Coord.</i>	<i>1B</i>	<i>0000002826</i>	<i>12/01/2020</i>
<i>Lamson</i>	<i>David</i>	<i>Private Dev. Inspector</i>	<i>1B</i>	<i>0000002821</i>	<i>12/01/2020</i>
<i>Cawthon</i>	<i>Thomas</i>	<i>Sr. Civil Engineer</i>	<i>II</i>	<i>0000002883</i>	<i>01/22/2022</i>
<i>Raines</i>	<i>Roger</i>	<i>Director</i>	<i>II Design Prof.</i>	<i>0000005548</i>	<i>10/05/2020</i>
<i>Sander</i>	<i>Matthew</i>	<i>Construction Insp.</i>	<i>1B</i>	<i>0000053195</i>	<i>12/13/2020</i>
<i>Shaffer</i>	<i>Timothy</i>	<i>Construction Insp.</i>	<i>1B</i>	<i>0000080235</i>	<i>04/19/2020</i>
<i>Diaz</i>	<i>Nestor</i>	<i>Construction Insp.</i>	<i>1B</i>	<i>0000027157</i>	<i>08/02/2020</i>
<i>Strickland</i>	<i>Zachary</i>	<i>Engineering Tech.</i>	<i>1B</i>	<i>0000089046</i>	<i>09/12/2022</i>
<i>Jenkins</i>	<i>Eric</i>	<i>Sr. Civil Engineer</i>	<i>II</i>	<i>0000089461</i>	<i>10/17/2022</i>

- b. Describe any construction related training activities related to stormwater/pollution prevention that were provided during the reporting period: N/A

E. Highly Visible Pollutant Sources (HVPS) (e.g. commercial car washes, auto part stores, nurseries, home improvement stores, auto repair shops, gas stations, veterinary clinics, kennels) (Section 3.3.5):

1. Inventory (Table 3.3.5, Item 1)

- a. The permittee must maintain a current inventory of HVPS facilities that discharge to the MS4. Is an updated inventory attached?
Yes No
- b. If any new HVPS were identified during the reporting period, what type(s) of facility were they? General Automotive Repair facilities – 2
- c. What is the total number of HVPS identified on the latest inventory? 164

2. Inspections (Table 3.3.5, Item 2)

- a. Were any inspections performed on HVPS during the reporting period?
Yes No
- b. Are copies of completed inspection forms attached?
Yes No
- c. Provide the number and percentage of the total number of HVPS facilities inspected:

Year	Total HVPS Facilities	Number of HVPS Facilities Inspected	% Inspected
2017-2018	185	37	20.00%
2018-2019	169	35	20.71%
2019-2020	164	27	16.46%
2020-2021			
2021-2022			
TOTAL			

d. Did you comply with the inspection frequency described in the SWMP?

Yes No

e. If not, describe the reason and the steps taken to comply with the SWMP during the next reporting period: N/A

3. Enforcement (Table 3.3.5, Item 3)

a. For those HVPS facilities inspected during the reporting period at which the MS4 identified a problem, provide details as to any enforcement action taken by the MS4:

Facility Name	Facility Location	Action Taken by MS4

4. Educational Activities (Table 3.3.5, Item 4):

a. Describe the educational activities performed during the reporting period that targeted HVPS: During HVPS inspections, Stormwater inspectors discuss topics such as the basics of the MS4 system, pollution prevention BMPs, and general housekeeping practices with employees, managers, and owners. An educational handout is given during each inspection.

Part 3 - Changes to the SWMP (Section 4.1)

A. Update of MS4 areas

1. Were any additional areas added to the MS4 system? Yes No

a. If yes, was it through development of a previously undeveloped area?

Yes No

- b. If yes, was it through annexation of an area? Yes No
2. Are an inventory and map of the MS4 permanent control structures in the additional areas attached? Yes No N/A

B. Staffing

1. How many full-time equivalents were dedicated to implementing the SWMP during the reporting period? 3
2. Did the amount of full-time equivalents dedicated to implementing the SWMP during this reporting period differ from the previous reporting period either by an increase or decrease in numbers? Yes No

If yes, please explain whether it was a decrease or increase and the reason for the man-hour differences: N/A

- C. Are there any changes to the SWMP proposed for the upcoming reporting period? If so, please describe: The City will be revising the SWMP based on comments received from the EPD in a letter dated February 27, 2020.

Part 4 - Enforcement Response Plan (ERP) (Section 3.3.6)

- A. The permittee was required to develop an ERP describing the action to be taken for violations associated with the IDDE, industrial, construction, HVPS, and other SWMP programs. Has an ERP been completed?
Yes No
- B. If the ERP was not completed, explain why and provide the status of the document development: N/A

Part 5 - Impaired Waterbodies (Section 3.3.7)

- A. Provide the following information for any impaired waterbodies located within your jurisdictional area that are included on the latest approved 305(b)/303(d) list:

Name of Water	Pollutant of Concern
Casey Canal (Head of Canal to Derenne Avenue)	Dissolved Oxygen, Fecal Coliform
Casey Canal (Derenne Avenue to Montgomery Cross Roads)	Dissolved Oxygen, Fecal Coliform, Dieldrin
Hayners Creek	Dissolved Oxygen, Fecal Coliform
Little Ogeechee River	Dissolved Oxygen, Fecal Coliform, Selenium
Ogeechee River	Fecal Coliform, Mercury
Pipe Makers Canal	Fecal Coliform
Savannah Harbor	Dissolved Oxygen

1. Was a new waterbody added to the 305(b)/303(d) list during **this** reporting period?

Yes No

a. If yes, then you must develop a Monitoring and Implementation Plan (Plan). As part of the Plan, you must:

i. Provide a map showing the impaired waterbodies, all MS4 outfalls occurring on these waters or within one linear mile upstream, and sampling location(s). Is the map attached?

Yes No

ii. If not, provide a schedule for completing the map: N/A

iii. Develop a monitoring plan for each pollutant of concern (POC), including the sample type, frequency, any seasonal considerations, and an implementation schedule for starting monitoring and confirming the location of all MS4 outfalls discharging to the segment. Is the monitoring plan attached?

Yes No

2. Was a Sampling and Quality Assurance Plan (SQAP) submitted to EPD?

Yes No NA

a. If yes, has the SQAP been approved by EPD? Yes No

3. Provide a list of best management practices (BMPs) to be implemented to address the POC, including a description of each BMP and a schedule for implementation of the BMPs: N/A

B. Was a Monitoring and Implementation Plan developed during a **previous** reporting period?

Yes No

1. If yes, then you must:

- a. Provide monitoring data and an assessment of the data for each POC. Are monitoring data and an assessment attached?
Yes No
- b. If not, explain why the monitoring data and assessment are not attached: N/A
- c. Provide an assessment of the effectiveness of the BMPs chosen to address the POC: See Tab 7, 2019-2020 Impaired Waterbodies Assessment.pdf
- d. If an assessment was not performed, explain why: N/A
- e. If you plan to delete any BMPs, modify any existing BMPs, or use any new BMPs during the next reporting period, describe the revisions: N/A

Part 6 – Employee Training, Public Education/Public Involvement (Sections 3.3.8, 3.3.9, and 3.3.10)

A. Municipal Employee Training

1. Provide information on any employee training provided during the reporting period:

Date of Training: 11/14/2019

Topic(s) of Training: SPCC Plan

Number of employees trained: 6

Who conducted the training: Ken Kelly

Method of training: Presentation, Group discussion, Q&A

2. The permittee must provide documentation of the training provided, such as through sign-in sheets, photographs, or other. Is documentation attached?
Yes No

B. Public Education Program

1. Did you implement a public education program?
Yes No
2. Describe any SWMP educational activities undertaken during the reporting period, (include details as to the nature of the activity, date, number of people attending, etc.):
 - Stormwater Education Paid TV and Digital Sponsorship: In the summer of 2019 the City purchased sponsorship during a local TV channel’s Hurricane Expo Event. The data report is attached. The sponsorship included a short video with an “only rain down the drain” message and a highlight of the new storm manhole cover design. During the school closures for COVID the City purchased television and digital time for the promotion of the Adopt a Drain

program. The first month's summary report showed 36 clicks to the Adopt A Drain website. Invoices and result reports are attached.

- A Welcome Packet Booklet, covering drinking water and stormwater pollution prevention, was printed and distributed. A "Saving Savannah's Water Activity Book" was also printed and distributed. A table showing printing totals are attached.
- The City co-hosted a rain barrel wholesale event. From the online sales 86 barrels were sold and distributed. Information on the benefits of rain barrels was given along with the instructions. The City purchased 60 additional rain barrels to provide to the community with the intention of building a program similar to the toilet voucher program, a very popular and long running program providing 2 free water saving toilets to each water customer.
- Savannah Chatham County Public School System Water Resource Education Program: The City of Savannah contracted with Tinker Water Education Program to implement a water resources education digital curriculum designed to teach students about how to use water responsibly and protect resources. Delivered by the classroom teacher, the curriculum fits seamlessly within the current classroom setting. Materials are aligned to support state and federal education standards and features engaging digital content with hands-on activities. Unfortunately with the occurrence of the pandemic and schools closing, we were not able to fully implement the program. From our initial efforts in February 2020, we had 4 middle schools and approximately 700 students engaged.
- The City partnered with Chatham County, City of Tybee, City of Bloomingdale, Garden City and the Metropolitan Planning Commission to organize a stormwater art calendar contest. The contest was open to all grades K-12. There were 228 entries representing all grades as seen in the attached table.
- Educational presentations covering drinking water, stormwater, and water resources were given to school and community groups, totaling 2248 in attendance.

3. The permittee must submit documentation of the educational activities performed. Is documentation attached? Yes No (See Tab 9 – Public Education)

C. Public Involvement

1. Did you implement a public involvement program?

Yes No

2. Describe any SWMP activities performed during the reporting period to involve the public in the program (e.g. Adopt-A-Stream, Adopt-A-Road, storm drain stenciling, Rivers Alive). Provide details such as the nature of the activity, the date(s), the number of volunteers, etc.:

- Storm Drain Marking: During 2019-2020, the City co-hosted 2 storm drain marking events. The first occurred in October 2019 and was associated with the Recycling Day at Savannah State. There were a total of 5 markers placed that day. The second occurred in February in conjunction with the World Society Mission of God Church and their ASEZ mission. A group of college students gathered to learn about the impacts of stormwater to flooding and water quality. They installed 99 markers that day. The marker information sheets and the press coverage of the event are attached.
 - Stream Cleanup Events: The City of Savannah co-sponsored cleanup events on 9/21/2019, 12/14/2019, and February 27-29, 2020. Cleanup of the Blackshear Wetland, working with the homeless community that lives nearby, has been ongoing. Details are attached.
 - Adopt A Drain: In 2019, the City partnered with OpenSavannah (local chapter of Code for America) to create an Adopt A Drain program for Savannah. Using data provided by the City, OpenSavannah built an app which allows users to claim and care for storm drains in their neighborhood. The app allows you to record and photograph your regular maintenance activity on social media. If the adopter sees that the drain needs more attention, the app provides a link to the City's 311 webpage. This allows the adopter to immediately notify City staff of the situation. Promotion of the program began in March 2020, and as of the end of March 2020, 105 drains had been adopted. Further details are attached.
3. The permittee must submit documentation of the public involvement activities performed. Is documentation attached? Yes No

(See Tab 10 – Public Involvement)

Part 7- Post-Construction (Section 3.3.11)

A. Legal Authority

1. Provide the date when the MS4 post-construction ordinance(s) was adopted or updated: November 20, 2018
2. If an ordinance was updated during this reporting period, then a copy of the adopted ordinance must be attached. Is a copy of the ordinance attached?
Yes No
3. Does the ordinance include the adoption and implementation of the Georgia Stormwater Management Manual or an equivalent local design manual?
Yes No
4. Provide either the date the design manual was adopted or a schedule for completing adoption: March 22, 2012 & updated with complete attachments April 4, 2012

5. The permittee is required to implement the Stormwater Runoff Quality/Reduction performance standard contained in the 2016 Georgia Stormwater Management Manual by no later than April 12, 2020. Provide the status of the implementation of this standard: The standard was implemented in 2012.

6. The permittee is required to continue to evaluate its ordinances, building codes, and other regulations to ensure they do not prohibit or impede the use of GI/LID practices. Were any revisions to the ordinances or regulations completed during this reporting period?
 Yes No

7. If any ordinances or regulations were revised to remove obstacles to GI/LID during this reporting period, then a copy of the adopted document(s) must be attached to this report. Provide a list, table, or chart of the GI/LID changes. Include the document name and section affected in the list, table, or chart. Is a copy of any modified ordinance or regulation attached?
 Yes No
 If yes, then is a list, table or chart of the GI/LID changes attached?
 Yes No

B. GI/LID Program (Table 3.3.11(b)(2), Item 2)

1. The permittee was required to develop a program was required to develop a program for implementing GI/LID practices. Has the program been submitted to EPD?
 Yes No
 If yes, has the program been approved by EPD? Yes No

2. Were any revisions made to the GI/LID program during the reporting period?
 Yes No
 If yes, then the revised program must be submitted to EPD for review. Is the revised GI/LID program attached? Yes No

C. GI/LID Inventory (Table 3.3.11(b)(2), Item 3)

1. The permittee must maintain an inventory of privately-owned non-residential and permittee-owned water quality-related GI/LID structures within the permittee's jurisdiction. Is an updated inventory attached to this report? Yes No

2. Provide the total number of GI/LID structures included on the inventory:
 Privately-owned non-residential: 137
 Permittee-owned: 3

D. GI/LID Structure Inspection and Maintenance (Table 3.3.11(b)(2), Item 4)

1. Were any inspections of GI/LID structures conducted during the reporting period?
Yes No NA

3. If inspections of GI/LID structures were performed, then a copy of each completed inspection form must be attached to this report. Are any GI/LID structure inspection forms attached? Yes No

3. Provide the number and percentage of the total number of GI/LID structures inspected during the reporting period:
 - a. Number of privately-owned, non-residential structures inspected: 20
 - b. Percentage of privately-owned, non-residential structures inspected: 14.60%
 - c. Number of permittee-owned structures inspected: 0
 - d. Percentage of permittee-owned structures inspected: 0%

4. How many permittee-owned GI/LID structures were maintained during the reporting period? Attach documentation of the activities: 3 (maintained via routine street sweeping schedule)

5. Describe any activities performed to ensure privately-owned non-residential GI/LID structures were maintained. Provide documentation of the activities: Inspection & Maintenance Agreements were implemented for 3 non-residential, private GI/LID structures during the reporting period. (See Tab 11, 2019-2020 Inspection & Maintenance Agreements)

Part 8 - Assessment of Controls/Fiscal Analysis (Section 4.1)

A. Assessment of Controls

1. Are revisions to the assessment of controls included in the approved SWMP necessary?
Yes No

2. If yes, describe the necessary revisions: N/A

B. Fiscal Analysis

1. Reporting Period Expenditures
 - a. What was the funding source(s) for this reporting period's expenditures? General Fund

 - b. A summary of the expenditures for the SWMP during the reporting period must be attached as an addendum to this report. Is a copy of the reporting period's expenditures attached? Yes No

(See Appendix A, 2019-2020 Expenditures and Budget.pdf)

2. Next Reporting Period's Budget

- a. What will be the funding source for the next reporting period's budget? General Fund
- b. A summary of the proposed budget for the SWMP for the next reporting period must be attached as an addendum to this report. Is a copy of the proposed budget for the next reporting period attached? Yes No

(See Appendix A, 2019-2020 Expenditures and Budget.pdf)

Phase I Annual Report
Supporting Documentation Checklist

You will need to provide copies of completed inspection reports, monitoring data, enforcement actions, etc. to document completion of stormwater program tasks throughout the reporting period. The following checklist has been developed to assist you in determining what items you may need to include as an addendum to the annual report. The list is not all inclusive and you may need to attach documentation of additional activities.

Documentation	Attached?		
	Yes	No	NA
Copies of intergovernmental agreements, if new or modified			<u>N/A</u>
Inventory of permanent control structures	<u>Tab 1</u>		
Street sweeping logs/Litter removal documentation	<u>Tab 1</u>		
Inventory of municipal facilities with the potential to cause pollution	<u>Tab 1</u>		
Inspection reports for municipal facilities with the potential to cause pollution	<u>Tab 1</u>		
Copy of illicit discharge ordinance, if modified			<u>N/A</u>
Outfall Inventory and map	<u>Tab 2</u>		
Copies of outfall inspection forms	<u>Tab 2</u>		
Illicit discharge source tracing documentation	<u>Tab 2</u>		
Inventory of industrial facilities discharging to the MS4	<u>Tab 3</u>		
Inspection reports for industrial facilities	<u>Tab 3</u>		
Monitoring results of runoff from industrial facilities			<u>N/A</u>
Copy of E&S ordinance, if modified			<u>N/A</u>
List of site plans reviewed, denied, or approved	<u>Tab 4</u>		
List of LDA permits issued	<u>Tab 4</u>		
List of active construction sites and inspections conducted	<u>Tab 4</u>		

Documentation of E&S certification			<u>N/A</u>
Inventory of Highly Visible Pollutant Sources (HVPS)	<u>Tab 5</u>		
Inspection reports for HVPS	<u>Tab 5</u>		
Enforcement Response Plan			<u>N/A</u>
Map of impaired waters, outfalls, and sample location			<u>N/A</u>
Impaired waters monitoring plan			<u>N/A</u>
Impaired waters monitoring data	<u>Tab 7</u>		
Assessment of BMP effectiveness	<u>Tab 7</u>		
Documentation of public education activities	<u>Tab 9</u>		
Documentation of public involvement activities	<u>Tab10</u>		
Copy of post-construction ordinance, if modified			<u>N/A</u>
GI/LID Program			<u>N/A</u>
GI/LID Structure Inventory	<u>Tab11</u>		
Inspection reports for GI/LID structures	<u>Tab11</u>		
List of SWMP expenditures during the reporting period	<u>Appx.</u> <u>A</u>		
Proposed SWMP budget for next reporting period	<u>Appx.</u> <u>A</u>		