

Phase II Municipal Separate Storm Sewer System (MS4)
Annual Report Form

Cover Page

Part 1. General Information:

1. Permittee Name: City of Brunswick, Georgia
2. Mailing Address: 525 Lakewood Avenue, Brunswick, GA 31520
3. Contact Person: Garrow Alberson
4. E-Mail Address: galberson@cityofbrunswick-ga.gov
5. Telephone Number: (912) 267-5540
6. Reporting Year (January 1–December 31): 2018

Part 2. Status of Storm Water Management Program:

1. Has your storm water management program to comply with the 2017 NPDES Permit been approved? Yes No
2. If yes, provide the approval date: Submitted by deadline, but did not receive comments yet.
3. If no, provide the date of the last submittal: 6/4/2018 (1st submittal)

Part 3. Certification Statement:

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based 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: Jim Drumm

Title: City Manager Date: February 15, 2019

Public Education and Outreach
Minimum Control Measure
(Table 4.2.1)

1. **BMP # 1**
2. **BMP Title:** Stormwater Education – Public Presentations
3. **Provide the measurable goal from SWMP:** Provide at least one stormwater-related presentation to the community each reporting period, including civic organizations, schools, the library, etc.
 - A. Did you comply with the measurable goal? Yes No
 - B. If not, explain why you did not comply with the measurable goal: N/A
4. **Documentation**
 - A. Did you attach documentation of the BMP activities completed during the reporting period? Yes No
 - B. If not, please explain why: N/A
5. **Implementation Schedule**
 - A. BMP activities completed during this reporting period: The City of Brunswick performed public presentations on stormwater educational issues throughout 2018. A total of 24 community presentations were performed specifically in Brunswick through a collaborative effort with KGIB. A total of 479 persons attended the presentations. Additional presentations were performed at City schools, CoastFest, College of Coastal Georgia, and Brunswick Job Corps Center. Topics included litter prevention, waste reduction and recycling, water quality and run-off on roadways, waterways, and marshes; effect on fish, wildlife, and community; Cigarette Litter Prevention Program; volunteer solicitations for the Adopt-A Program, special cleanups and recycling efforts. Documentation including specific dates, attendees, topics covered are provided in Appendix A.1.
 - B. Date(s) for any BMP activities completed during this reporting period: Community presentations were performed throughout 2018 and are detailed in Appendix A.1.
 - C. Did you comply with the implementation schedule in the SWMP? Yes No
 - D. If not, please explain why: N/A
6. **BMP Effectiveness**

- A. Do you consider this BMP to be effective? Yes No
- B. Do you plan to continue with implementation of this BMP or revise it in the SWMP?
Continue Revise
- C. Do you plan to revise the BMP description, implementation schedule, or measurable goal for this BMP? Yes No
- D. If yes, please explain: N/A

1. **BMP # 2**
2. **BMP Title:** Educational Handouts
3. **Provide the measurable goal from SWMP:** The City identified two measurable goals for this BMP: (1) print a minimum of 200 educational handouts each reporting year and place at City Hall for public dissemination, and (2) replenish handouts throughout the year as needed.
 - A. Did you comply with the measurable goal? Yes No
 - B. If not, explain why you did not comply with the measurable goal: N/A
4. **Documentation**
 - A. Did you attach documentation of the BMP activities completed during the reporting period? Yes No
 - B. If not, please explain why: N/A
5. **Implementation Schedule**
 - A. BMP activities completed during this reporting period: The City printed 200 copies of an educational brochure about stormwater pollution – “The Shrimp Guys.” These brochures were placed at City Hall. A copy of the brochure is provided in Appendix A.2.
 - B. Date(s) for any BMP activities completed during this reporting period: These activities were performed on an ongoing basis throughout the reporting period.
 - C. Did you comply with the implementation schedule in the SWMP? Yes No
 - D. If not, please explain why: N/A
6. **BMP Effectiveness**
 - A. Do you consider this BMP to be effective? Yes No
 - B. Do you plan to continue with implementation of this BMP or revise it in the SWMP? Continue Revise
 - C. Do you plan to revise the BMP description, implementation schedule, or measurable goal for this BMP? Yes No
 - D. If yes, please explain: N/A

Note: You must complete a BMP annual report page for any additional Public Education BMPs contained in your SWMP. Permittees with a population greater than 10,000 at the time of this permit issuance must complete four (4) BMPs.

1. **BMP # 3**
2. **BMP Title:** Public Service Announcements
3. **Provide the measurable goal from SWMP:** A minimum of 10, 30-second radio announcements will be aired annually.
 - A. Did you comply with the measurable goal? Yes No
 - B. If not, explain why you did not comply with the measurable goal: N/A
4. **Documentation**
 - A. Did you attach documentation of the BMP activities completed during the reporting period? Yes No
 - B. If not, please explain why: N/A
5. **Implementation Schedule**
 - A. BMP activities completed during this reporting period: From September 24, 2018 to November 17, 2018, the City had 400, 30-second public service announcements on stormwater pollution broadcasted on two local radio stations. On “104.1 The Wave,” a total of 196 broadcasts were made and on “Magic 105.9,” a total of 204 broadcasts were made. Transcripts of the broadcast, audio files, and invoices detailing the date and time of each broadcast are included in Appendix A.3.
 - B. Date(s) for any BMP activities completed during this reporting period: Four hundred (400) broadcasts were performed from September 24, 2018 to November 17, 2018.
 - C. Did you comply with the implementation schedule in the SWMP? Yes No
 - D. If not, please explain why: N/A
6. **BMP Effectiveness**
 - A. Do you consider this BMP to be effective? Yes No
 - B. Do you plan to continue with implementation of this BMP or revise it in the SWMP? Continue Revise
 - C. Do you plan to revise the BMP description, implementation schedule, or measurable goal for this BMP? Yes No
 - D. If yes, please explain: N/A

1. **BMP # 4**
2. **BMP Title:** Stormwater Website
3. **Provide the measurable goal from SWMP:** The City identified two measurable goals for this BMP: (1) update webpage annually, and (2) record the number of webpage hits using a tracker, such as Google Analytics or other comparable counting mechanism.
 - A. Did you comply with the measurable goal? Yes No
 - B. If not, explain why you did not comply with the measurable goal: N/A
4. **Documentation**
 - A. Did you attach documentation of the BMP activities completed during the reporting period? Yes No
 - B. If not, please explain why: N/A
5. **Implementation Schedule**
 - A. BMP activities completed during this reporting period: The City maintained a stormwater management webpage this year, and it received 226 hits in 2018 (<http://www.brunswickga.org/pw/new/stormwater.html>). The City also developed a new Stormwater Utility website that they will link to the Stormwater Webpage in 2019. A screenshot of the website is provided in Appendix A.4, and this includes the new Stormwater Utility webpage, which is linked from the City of Brunswick homepage.
 - B. Date(s) for any BMP activities completed during this reporting period: These activities were performed on an ongoing basis throughout the reporting period.
 - C. Did you comply with the implementation schedule in the SWMP? Yes No
 - D. If not, please explain why: N/A
6. **BMP Effectiveness**
 - A. Do you consider this BMP to be effective? Yes No
 - B. Do you plan to continue with implementation of this BMP or revise it in the SWMP? Continue Revise
 - C. Do you plan to revise the BMP description, implementation schedule, or measurable goal for this BMP? Yes No
 - D. If yes, please explain: N/A

Public Involvement/ Participation
Minimum Control Measure
(Table 4.2.2)

1. **BMP # 1**
2. **BMP Title:** Community Litter Pick-Up Program
3. **Provide the measurable goal from SWMP:** 250 man-hours per year of volunteer labor for litter pick-up.
 - A. Did you comply with the measurable goal? Yes No
 - B. If not, explain why you did not comply with the measurable goal: N/A
4. **Documentation**
 - A. Did you attach documentation of the BMP activities completed during the reporting period? Yes No
 - B. If not, please explain why: N/A
5. **Implementation Schedule**
 - A. BMP activities completed during this reporting period: Through a partnership with Keep Golden Isles Beautiful, the City implemented an Adopt-A-Highway Program that resulted in 3,045 volunteer hours and 19.7 tons of litter collected and 0.6 tons of recyclables collected in 2018. These quantities are summarized in Appendix B.1.
 - B. Date(s) for any BMP activities completed during this reporting period: These activities were performed on an ongoing basis throughout the reporting period.
 - C. Did you comply with the implementation schedule in the SWMP? Yes No
 - D. If not, please explain why: N/A
6. **BMP Effectiveness**
 - A. Do you consider this BMP to be effective? Yes No
 - B. Do you plan to continue with implementation of this BMP or revise it in the SWMP? Continue Revise
 - C. Do you plan to revise the BMP description, implementation schedule, or measurable goal for this BMP? Yes No

D. If yes, please explain: N/A

1. **BMP # 2**
2. **BMP Title:** Bring One for the Chipper
3. **Provide the measurable goal from SWMP:** The City identified three measurable goals for this BMP: (1) hold the Bring One for the Chipper event once per year, (2) advertise the event on the City’s website and local media, and (3) maintain records of the number of trees recycled.

A. Did you comply with the measurable goal? Yes No

B. If not, explain why you did not comply with the measurable goal: N/A

4. **Documentation**

A. Did you attach documentation of the BMP activities completed during the reporting period? Yes No

B. If not, please explain why: N/A

5. **Implementation Schedule**

A. BMP activities completed during this reporting period: Brunswick hosted a “Bring One for the Chipper” event to encourage people to properly dispose of their Christmas trees. This campaign is part of KGIB’s official annual Christmas tree recycling program. Residents are encouraged to bring Christmas trees to be chipped and recycled into mulch at this annual event, instead of dumping them along roadways, marshes, and creeks. The mulch is then used on City property as well as used for biofuel. This event is advertised on the City’s webpage and local media. At the City drop-off locations, 84 Christmas trees were recycled during the event. The event was advertised with flyers distributed within the City as well as advertisements in the Brunswick News printed on 12/11/17, 12/27/17, and 12/28/17. Promotional material and documentation regarding the total trees recycled are provided in Appendix B.2.

B. Date(s) for any BMP activities completed during this reporting period: The 2018 event, which is reported above, occurred from December 26, 2017 to January 7, 2018. The 2019 event started on December 26, 2018, and will be reported in next year’s annual report because the chipping occurred in January.

C. Did you comply with the implementation schedule in the SWMP? Yes No

D. If not, please explain why: N/A

6. **BMP Effectiveness**

A. Do you consider this BMP to be effective? Yes No

B. Do you plan to continue with implementation of this BMP or revise it from the SWMP?
Continue Revise

C. Do you plan to revise the BMP description, implementation schedule, or measurable goal for this BMP? Yes No

D. If yes, please explain: N/A

Note: You must complete a BMP annual report page for any additional Public Involvement/Participation BMPs contained in your SWMP. Permittees with a population greater than 10,000 at the time of this permit issuance must complete four (4) BMPs.

1. **BMP # 3**
2. **BMP Title:** Citizen Hotline
3. **Provide the measurable goal from SWMP:** The City identified three measurable goals for this BMP: (1) respond/address stormwater complaints within 72 hours of receipt, (2) advertise the Citizen Complaint Hotline on the City's stormwater webpage and during stormwater presentations, and (3) document follow-up activities, including any enforcement actions.
 - A. Did you comply with the measurable goal? Yes No
 - B. If not, explain why you did not comply with the measurable goal: N/A
4. **Documentation**
 - A. Did you attach documentation of the BMP activities completed during the reporting period? Yes No
 - B. If not, please explain why: N/A
5. **Implementation Schedule**
 - A. BMP activities completed during this reporting period: The City maintains a Citizen Complaint Hotline so the public can call and ask questions about stormwater issues and report stormwater complaints, including illicit discharge complaints, to the Stormwater Department. Stormwater questions and complaints may be called in to the Public Works 24-Hour Dispatch Service hotline at (912) 267-3703 or reported to the City's Code Enforcement Officers. Contact information for the Citizen Complaint hotline and City's Code Enforcement Officers is posted on the City's Stormwater and Public Works webpages, and a screenshot is included in Appendix B.3. Each complaint is logged, investigated within at least 72 hours, and follow up activities are documented. The City did not receive any stormwater complaints in 2018, so there is no documentation for these included in Appendix B.3.
 - B. Date(s) for any BMP activities completed during this reporting period: These activities were performed on an ongoing basis throughout the reporting period.
 - C. Did you comply with the implementation schedule in the SWMP? Yes No
 - D. If not, please explain why: N/A
6. **BMP Effectiveness**
 - A. Do you consider this BMP to be effective? Yes No

- B. Do you plan to continue with implementation of this BMP or revise it from the SWMP?
Continue Revise
- C. Do you plan to revise the BMP description, implementation schedule, or measurable goal for this BMP? Yes No
- D. If yes, please explain: N/A

1. **BMP # 4**
2. **BMP Title:** City-Wide Cleanup / Great American Cleanup
3. **Provide the measurable goal from SWMP:** The City identified three measurable goals for this BMP: (1) advertise event through social media and City webpage, (2) host annual City-Wide Cleanup Event, and (3) properly dispose of litter and debris collected from cleanup.
 - C. Did you comply with the measurable goal? Yes No
 - D. If not, explain why you did not comply with the measurable goal: N/A
4. **Documentation**
 - C. Did you attach documentation of the BMP activities completed during the reporting period? Yes No
 - D. If not, please explain why: N/A
5. **Implementation Schedule**
 - E. BMP activities completed during this reporting period: The City of Brunswick partners with the Brunswick Downtown Development Authority and KGIB to sponsor an annual City-Wide Cleanup each Spring that is affiliated with the Great American Cleanup, a nationwide community improvement program to bring people together. This annual event seeks to encourage the general public and volunteers from civic groups, churches, youth groups and other organizations to participate. Volunteer “teams” can clean their neighborhoods or be assigned neighborhoods in need. Volunteers are encouraged to pre-register and a celebration cookout is held after the cleanup. In total, 241 volunteers participated in this event, and they collected 3.9 tons of trash and an additional 91 tires (2,184 lbs) during the event. Documentation is provided in Appendix B.4, and it includes promotional material advertising the event and event statistics (volunteers and debris quantities).
 - F. Date(s) for any BMP activities completed during this reporting period: The City-Wide Cleanup was held on Saturday, April 28, 2018.
 - G. Did you comply with the implementation schedule in the SWMP? Yes No
 - H. If not, please explain why: N/A
6. **BMP Effectiveness**
 - E. Do you consider this BMP to be effective? Yes No

F. Do you plan to continue with implementation of this BMP or revise it from the SWMP?
Continue Revise

G. Do you plan to revise the BMP description, implementation schedule, or measurable goal for this BMP? Yes No

H. If yes, please explain: N/A

Illicit Discharge Detection and Elimination
Minimum Control Measure
(Table 4.2.3)

1. **BMP # 1 (Table 4.2.3, BMP #1)**
2. **BMP Title: Legal Authority**
3. **Provide the measurable goal from the Permit and/or approved SWMP:** The City identified two measurable goals for this BMP: (1) prohibit illicit discharges through the City's Stormwater Management Ordinance, and (2) review the Ordinance annually to determine if any updates are needed.
 - A. Did you comply with the measurable goal? Yes No
 - B. If not, explain why you did not comply with the measurable goal: N/A
4. **Ordinance Status**
 - A. Did you adopt or revise the ordinance during the reporting period? Yes No
 - B. If yes, provide the date of adoption: N/A. There were no revisions during this reporting period.
 - C. If the ordinance was adopted or revised during the reporting period, is a copy of the adopted ordinance attached? Yes No
 - D. If the ordinance was adopted or revised during the reporting period and a copy is not attached, explain why: N/A. Although no revisions were made during this reporting period, a copy of the current ordinance is attached.
5. **Implementation Schedule**
 - A. BMP activities completed during this reporting period: The City maintains its Illicit Discharge Prohibition Ordinance (Article II) within the City's Stormwater Management Ordinance (Chapter 22A), meeting the requirements of the NDPES Phase II MS4 permit. A copy of the Stormwater Management ordinance, as previously amended on December 13, 2006, is included in the Appendix C.1. The Illicit Discharge Prohibition Ordinance was reviewed by the City during the reporting period but there were no sections in need of revision.
 - B. Date(s) for any BMP activities completed during this reporting period: The Stormwater Management Ordinance was reviewed during the reporting period, but no revisions were needed to the current version, which was adopted on December 13, 2006.
 - C. Did you comply with the implementation schedule in the SWMP? Yes No

D. If not, please explain why: N/A

6. **BMP Effectiveness**

A. Do you consider this BMP to be effective? Yes No

B. Do you plan to continue with implementation of this BMP or revise it from the SWMP?
Continue Revise

C. Do you plan to revise the BMP description, implementation schedule, or measurable goal for this BMP? Yes No

D. If yes, please explain: N/A

1. **BMP # 2 (Table 4.2.3, BMP #2)**
2. **BMP Title: Outfall Map and Inventory**
3. **Provide the measurable goal from the Permit and/or approved SWMP:** Maintain and update an outfall inventory database and 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, including “wet” and “dry” outfall designations
 - A. Did you comply with the measurable goal? Yes No
 - B. If not, explain why you did not comply with the measurable goal: N/A
4. **Outfall Inventory**
 - A. Provide the number of outfalls added or deleted from the inventory during the reporting period:
 - Number added: 0
 - Number deleted: 0
 - B. Provide the total number of outfalls identified to date: 38
 - C. Is the outfall mapping completed? Yes No
 - D. If not, explain the reason why, and provide the status of the mapping: N/A
 - E. If not, provide the projected completion date: N/A
5. **Documentation**
 - A. Did you attach documentation of the BMP activities completed during the reporting period? Yes No
 - B. If not, please explain why: N/A
6. **Implementation Schedule**
 - A. BMP activities completed during this reporting period: The City of Brunswick has developed a GIS-based inventory and a map showing the location of outfalls from the MS4 and the names and location of all Waters of the State that receive discharges from those outfalls. Each year, the City updates the map and inventory to reflect “wet” and “dry” outfall designations, per its IDDE Plan, the addition of outfalls from new infrastructure projects or developments, and the removal of outfalls that have been reclassified or removed. No outfalls were added or removed in 2018. All outfalls within Zone 1 were updated with classifications as “Wet”. The total number of City outfalls is 38. A map and inventory of the MS4 Outfalls are provided in Appendix C.2.

B. Date(s) for any BMP activities completed during this reporting period: These activities were performed on an ongoing basis throughout the reporting period.

C. Did you comply with the implementation schedule in the SWMP? Yes No

D. If not, please explain why: N/A

7. **BMP Effectiveness**

A. Do you consider this BMP to be effective? Yes No

B. Do you plan to continue with implementation of this BMP or revise it in the SWMP?
Continue Revise

C. Do you plan to revise the BMP description, implementation schedule, or measurable goal for this BMP? Yes No

D. If yes, please explain: N/A

1. **BMP # 3 (Table 4.2.3, BMP #3)**

2. **BMP Title: IDDE Plan**

3. **Provide the measurable goal from the Permit and/or approved SWMP:** The City identified four measurable goals for this BMP: (1) inspect and/or dry weather screen all outfalls in one zone per year so that 100% of outfalls are inspected within 5 years, (2) conduct field assessment and designate all outfalls in one zone per year as “wet” or “dry,” (3) investigate and perform source tracing for 100% of all suspected illicit discharges, and (4) enforce the Stormwater Management Ordinance (w/Illicit Discharge provision), IDDE Plan, and ERP for 100% of positively identified illicit discharges.

A. Did you comply with the measurable goal? Yes No

B. If not, explain why you did not comply with the measurable goal: N/A

4. **IDDE Plan Status**

A. Provide the number of outfalls inspected during the reporting period: 10

B. What percentage of the total number of outfalls were inspected during the reporting period? 26%

C. Provide the status of the outfall screening from 2018-2022:

Year	Total Number of Outfalls	Number of Outfalls Screened	% Screened
2018	38	10	26%
2019			
2020			
2021			
2022			

D. Did you conduct any stream walks as part of your IDDE program?
Yes No

1. If yes, provide the total number of stream miles within your jurisdiction: N/A

2. Provide the number of stream miles walked during the reporting period: N/A

3. What percentage of the total number of stream miles were walked during the reporting period? N/A

E. Did you conduct stream walks for a reason other than IDDE? Yes No

1. If yes, explain the reason: **N/A**
2. Provide the number of stream miles walked during the reporting period: **N/A**

5. **Documentation**

- A. Did you attach documentation of the BMP activities completed during the reporting period? Yes No
- B. If not, please explain why: N/A

6. **Implementation Schedule**

- A. BMP activities completed during this reporting period: The City of Brunswick has established an IDDE Plan to inspect MS4 outfalls to determine if upstream facilities/connections are discharging non-stormwater flows to the drainage system and to eliminate those illicit discharges. The City has established 5 screening zones that make up roughly 20% of the land area of the City. The City completes the screening of outfalls in one zone per year so that 100% of the inventory of MS4 outfalls is screened over a five-year period. In 2018, the City screened all 10 outfalls within Zone 1. All outfalls were identified as tidally-influenced (“Wet”). Tidal flow was present in 8 of the 10 outfalls. Since the flow was determined to be tidal, no illicit discharges were identified based on physical indicators in the Outfall Reconnaissance Inventory (ORI) form. A map of the outfalls screened in Zone 1 as well as the completed dry weather screening forms (ORI Forms) are provided in Appendix C.3.
- B. Date(s) for any BMP activities completed during this reporting period: The inspections were performed on December 18, 2018.
- C. Did you comply with the implementation schedule in the SWMP? Yes No
- D. If not, please explain why: **N/A**

7. **BMP Effectiveness**

- A. Do you consider this BMP to be effective? Yes No
- B. Do you plan to continue with implementation of this BMP or revise it in the SWMP? Continue Revise
- C. Do you plan to revise the BMP description, implementation schedule, or measurable goal for this BMP? Yes No
- D. If yes, please explain: **N/A**

1. **BMP # 4 (Table 4.2.3, BMP #4)**

2. **BMP Title: Education**

3. **Provide the measurable goal from the Permit and/or approved SWMP:** The City identified two measurable goals for this BMP: (1) include illicit discharge education information, including information about how to report illicit discharges, on the City's Stormwater Webpage, and (2) provide educational handouts annually that address illicit discharge prevention either through the City's website and/or as handouts at City Hall.

A. Did you comply with the measurable goal? Yes No

B. If not, explain why you did not comply with the measurable goal: N/A

4. **Documentation**

A. Did you attach documentation of the BMP activities completed during the reporting period? Yes No

B. If not, please explain why: N/A

5. **Implementation Schedule**

A. BMP activities completed during this reporting period: The City implements an illicit discharge educational program by including education information on illicit discharges on its stormwater webpage and addressing illicit discharges in its outreach to the public at least once per year. The Stormwater Webpage encourages residents to report illicit discharges and illicit dumping, include telephone numbers to facilitate reporting as well as include a link to allow residents to report illicit discharges/dumping through the City's website. The City distributed 200 copies of the stormwater brochure, "The Shrimp Guys," at City Hall in 2018, which also covers illicit discharge reporting and education. The City's stormwater webpage received 226 hits in 2018. A copy of the educational brochure as well as a screenshot of the City's stormwater webpage is provided in Appendix C.4.

B. Date(s) for any BMP activities completed during this reporting period: These resources are provided on an ongoing basis throughout the reporting period.

C. Did you comply with the implementation schedule in the SWMP? Yes No

D. If not, please explain why: N/A

6. **BMP Effectiveness**

A. Do you consider this BMP to be effective? Yes No

- B. Do you plan to continue with implementation of this BMP or revise it in the SWMP?
Continue Revise
- C. Do you plan to revise the BMP description, implementation schedule, or measurable goal for this BMP? Yes No
- D. If yes, please explain: N/A

1. **BMP # 5 (Table 4.2.3, BMP #5)**
2. **BMP Title: Complaint Response**
3. **Provide the measurable goal from the Permit and/or approved SWMP:** The City identified three measurable goals for this BMP: (1) promote, publicize and facilitate public reporting of illicit discharges through the City’s website, (2) investigate and take appropriate action for all illicit discharge complaints within at least three business days (72 hours), and (3) record illicit discharge complaints and actions, including the complaint date, type of complaint, and complaint status.
 - A. Did you comply with the measurable goal? Yes No
 - B. If not, explain why you did not comply with the measurable goal: N/A
4. **Documentation**
 - A. Did you attach documentation of the BMP activities completed during the reporting period? Yes No
 - B. If not, please explain why: N/A
5. **Implementation Schedule**
 - A. BMP activities completed during this reporting period: The City of Brunswick has implemented a program for receiving, investigating, and tracking the status of illicit discharge complaints. Complaints can be made by calling the City’s Public Works 24-Hour Dispatch Service at (912) 267-3703 or Code Enforcement Officers. Contact information for these staff is listed on the City’s webpage, and a screenshot is included in Appendix C.5. Stormwater complaints can also be reported electronically through the City’s webpage: <http://www.brunswickga.org/pw/new/contact.php>. Each complaint is logged through the City’s Work Order database, investigated, and follow up activities are documented within 72 hours. All complaints received, the City’s response, records of any investigation activities performed, and enforcement actions undertaken are recorded and this information is kept on file. The City did not receive in stormwater complaints in 2018. The City did not receive any stormwater complaints in 2018, so there is no documentation for these included in Appendix C.5.
 - B. Date(s) for any BMP activities completed during this reporting period: Reporting was available year-round but no complaints were reported to be addressed.
 - C. Did you comply with the implementation schedule in the SWMP? Yes No
 - D. If not, please explain why: N/A
6. **BMP Effectiveness**

A. Do you consider this BMP to be effective? Yes No

B. Do you plan to continue with implementation of this BMP or revise it in the SWMP?
Continue Revise

C. Do you plan to revise the BMP description, implementation schedule, or measurable goal for this BMP? Yes No

D. If yes, please explain: N/A

Note: You must complete a BMP annual report page for any additional Illicit Discharge Detection and Elimination BMPs contained in your SWMP.

Construction Site Storm Water Runoff Control
Minimum Control Measure
(Table 4.2.4)

1. **BMP # 1 (Table 4.2.4, BMP #1)**

2. **BMP Title: Legal Authority**

3. **Provide the measurable goal from the Permit and/or approved SWMP:** The City identified three measurable goals for this BMP: (1) review the E&S ordinance annually to determine if the City wishes to make any updates related to GESA standards, (2) update an appropriate ordinance to include requirements for construction site operators to control wastes, and (3) submit a copy of the ordinance(s), if revised as detailed above, to the Georgia EPD with the subsequent Annual Report.

A. Did you comply with the measurable goal? Yes No

B. If not, explain why you did not comply with the measurable goal: N/A

4. **Ordinance Status**

A. Is the construction waste requirement addressed in either your E&S or litter ordinance?
Yes No

B. If yes, which one? E&S

C. Did you adopt or revise the ordinance during the reporting period?
Yes No

D. If you are a Local Issuing Authority, you must revise your E&S Ordinance to comply with the latest revisions to the E&S Act (2015). The ordinance revision was to be completed by December 31, 2016. Have you completed the ordinance revisions?
Yes No

E. If yes, provide the date of adoption: The City is not a Local Issuing Authority, so this is not required. The ordinance was last updated on August 21, 1996.

F. If the ordinance was adopted or revised during the reporting period, is a copy of the adopted ordinance attached? Yes No

G. If the ordinance was adopted or revised during the reporting period and a copy is not attached, explain why: N/A. Although no revisions were made during this reporting period, a copy of the current ordinance is attached.

5. **Implementation Schedule**

- A. BMP activities completed during this reporting period: The City of Brunswick has adopted an Erosion, Sedimentation and Pollution Control Ordinance (E&S Ordinance) to reduce pollutants in stormwater runoff to the MS4 from construction activities. As noted above, the City of Brunswick is currently not a LIA for LDA Permits as defined by GESA, and therefore, is not required to update its E&S Ordinance to comply with GESA. The City will review the E&S Ordinance annually to determine if any updates may be beneficial to control erosion from construction site activities. This ordinance was reviewed during the reporting period, but there were no sections in need of revision. A copy of the E&S Ordinance is provided in Appendix D.1.
- B. Date(s) for any BMP activities completed during this reporting period: The ordinance was reviewed during the reporting period, but no revisions were needed to the current version, which was adopted on August 21, 1996.
- C. Did you comply with the implementation schedule in the SWMP? Yes No
- D. If not, please explain why: N/A

6. **BMP Effectiveness**

- A. Do you consider this BMP to be effective? Yes No
- B. Do you plan to continue with implementation of this BMP or revise it in the SWMP? Continue Revise
- C. Do you plan to revise the BMP description, implementation schedule, or measurable goal for this BMP? Yes No
- D. If yes, please explain: N/A

1. **BMP # 2 (Table 4.2.4, BMP #2)**
2. **BMP Title: Site Plan Review Procedures**
3. **Provide the measurable goal from the Permit and/or approved SWMP:** All qualifying developments within the City of Brunswick will have their ES&PC plans reviewed by EPD and NRCS.
 - A. Did you comply with the measurable goal? Yes No
 - B. If not, explain why you did not comply with the measurable goal: N/A
4. **Site Plan Review Status**
 - A. Are you a Local Issuing Authority? Yes No
 1. If yes, provide the following information for the reporting period:
Number of plans received: **N/A**
Number of plans reviewed: N/A
Number of plans approved: N/A
Number of plans denied: N/A
5. **Documentation**
 - A. Did you attach documentation of the BMP activities completed during the reporting period? Yes No
 - B. If not, please explain why: The City is not a LIA, so the reviews were completed by EPD and NRCS (GSWCC).
6. **Implementation Schedule**
 - A. BMP activities completed during this reporting period: The City is not a LIA, so the reviews were completed by EPD and NRCS (GSWCC).
 - B. Date(s) for any BMP activities completed during this reporting period: N/A
 - C. Did you comply with the implementation schedule in the SWMP? Yes No
 - D. If not, please explain why: N/A
7. **BMP Effectiveness**
 - A. Do you consider this BMP to be effective? Yes No

- B. Do you plan to continue with implementation of this BMP or revise it in the SWMP?
Continue Revise
- C. Do you plan to revise the BMP description, implementation schedule, or measurable goal for this BMP? Yes No
- D. If yes, please explain: N/A

1. **BMP # 3 (Table 4.2.4, BMP #3)**
2. **BMP Title: Inspection Program**
3. **Provide the measurable goal from the Permit and/or approved SWMP:** 100% of active development sites with ongoing land disturbance activities will be periodically inspected by EPD staff.
 - A. Did you comply with the measurable goal? Yes No
 - B. If not, explain why you did not comply with the measurable goal: N/A
4. **Documentation**
 - A. Did you attach documentation of the BMP activities completed during the reporting period? Yes No
 - B. If not, please explain why: The City is not a LIA, so the inspections were completed by EPD.
5. **Implementation Schedule**
 - A. BMP activities completed during this reporting period: The City is not a LIA, so the inspections were completed by EPD.
 - B. Date(s) for any BMP activities completed during this reporting period: N/A
 - C. Did you comply with the implementation schedule in the SWMP? Yes No
 - D. If not, please explain why: N/A
6. **BMP Effectiveness**
 - A. Do you consider this BMP to be effective? Yes No
 - B. Do you plan to continue with implementation of this BMP or revise it in the SWMP? Continue Revise
 - C. Do you plan to revise the BMP description, implementation schedule, or measurable goal for this BMP? Yes No
 - D. If yes, please explain: N/A

1. **BMP # 4 (Table 4.2.4, BMP #4)**
2. **BMP Title: Enforcement Procedures**
3. **Provide the measurable goal from the Permit and/or approved SWMP:** The City identified two measurable goals for this BMP: (1) E&S-related violations will be enforced by the EPD, the primary enforcement agency since the City is not an LIA, and (2) at its discretion, the City may implement enforcement actions for identified violations in accordance with E&S ordinance.
 - A. Did you comply with the measurable goal? Yes No
 - B. If not, explain why you did not comply with the measurable goal: N/A
4. **Documentation**
 - A. Did you attach documentation of the BMP activities completed during the reporting period? Yes No
 - B. If not, please explain why: N/A, the City is not a LIA, so EPD is responsible for enforcement. There were no instances where the City used its own discretion.
5. **Implementation Schedule**
 - A. BMP activities completed during this reporting period: E&S-related violations are enforced by the EPD, the primary enforcement agency since the City is not a LIA. The City did not implement any additional enforcement actions in 2018.
 - B. Date(s) for any BMP activities completed during this reporting period: These activities were performed on an ongoing basis throughout the reporting period.
 - C. Did you comply with the implementation schedule in the SWMP? Yes No
 - D. If not, please explain why: N/A
6. **BMP Effectiveness**
 - A. Do you consider this BMP to be effective? Yes No
 - B. Do you plan to continue with implementation of this BMP or revise it in the SWMP? Continue Revise
 - C. Do you plan to revise the BMP description, implementation schedule, or measurable goal for this BMP? Yes No
 - D. If yes, please explain: N/A

1. **BMP # 5 (Table 4.2.4, BMP #5)**
2. **BMP Title: Complaint Response**
3. **Provide the measurable goal from the Permit and/or approved SWMP:** The City identified three measurable goals for this BMP: (1) promote, publicize and facilitate public reporting of E&S-related complaints through the City's website, (2) investigate and take appropriate action for E&S-related complaints within three business days (72 hours), and (3) record E&S complaints and actions, including the complaint date, type of complaint, and complaint status.
 - A. Did you comply with the measurable goal? Yes No
 - B. If not, explain why you did not comply with the measurable goal: N/A
4. **Documentation**
 - A. Did you attach documentation of the BMP activities completed during the reporting period? Yes No
 - B. If not, please explain why: The City did not receive any E&S related complaints in 2018.
5. **Implementation Schedule**
 - A. BMP activities completed during this reporting period: The City of Brunswick has implemented a program for receiving, investigating, and tracking the status of E&S-related complaints. Complaints can be made by calling the City's Public Works 24-Hour Dispatch Service or Code Enforcement Officers or reported electronically through the City's website. Each complaint is logged through the City's Work Order database, investigated, and follow up activities are documented within 72 hours. All complaints received, the City's response, records of any investigation activities performed, and enforcement actions undertaken are recorded and this information is kept on file. Depending on the nature of the complaint, the City may contact the Georgia EPD for investigation and enforcement follow-up or the City may elect to investigate and follow-up with the complaint. Since the City did not receive any E&S complaints in 2018, no follow-up actions were necessary.
 - B. Date(s) for any BMP activities completed during this reporting period: These activities were performed on an ongoing basis throughout the reporting period.
 - C. Did you comply with the implementation schedule in the SWMP? Yes No
 - D. If not, please explain why: N/A
6. **BMP Effectiveness**

- A. Do you consider this BMP to be effective? Yes No
- B. Do you plan to continue with implementation of this BMP or revise it in the SWMP?
Continue Revise
- C. Do you plan to revise the BMP description, implementation schedule, or measurable goal for this BMP? Yes No
- D. If yes, please explain: N/A

1. **BMP # 6 (Table 4.2.4, BMP #6)**
2. **BMP Title: Certification**
3. **Provide the measurable goal from the Permit and/or approved SWMP:** Applicable MS4 staff will receive E&S training.
 - A. Did you comply with the measurable goal? Yes No
 - B. If not, explain why you did not comply with the measurable goal: N/A
4. **Documentation**
 - A. Did you attach documentation of the BMP activities completed during the reporting period? Yes No
 - B. If not, please explain why: N/A
5. **Implementation Schedule**
 - A. BMP activities completed during this reporting period: During this report year, the following staff were certified in E&S Control: John G. Alberson as Level II, Richard A. Charnock as Level 1B, and William R. Hale as Level 1B. Documentation of these certifications is provided in Appendix D.6.
 - B. Date(s) for any BMP activities completed during this reporting period: These certifications were held on an ongoing basis throughout the reporting period.
 - C. Did you comply with the implementation schedule in the SWMP? Yes No
 - D. If not, please explain why: N/A
6. **BMP Effectiveness**
 - A. Do you consider this BMP to be effective? Yes No
 - B. Do you plan to continue with implementation of this BMP or revise it in the SWMP? Continue Revise
 - C. Do you plan to revise the BMP description, implementation schedule, or measurable goal for this BMP? Yes No
 - D. If yes, please explain: N/A

Note: You must complete a BMP annual report page for any additional Construction Site Management BMPs contained in your SWMP.

Post- Construction Storm Water Management
in New Development and Redevelopment
Minimum Control Measure
(Table 4.2.5)

1. **BMP # 1 (Table 4.2.5, BMP #1)**

2. **BMP Title: Legal Authority**

3. **Provide the measurable goal from the Permit and/or approved SWMP:** The City identified four measurable goals for this BMP: (1) enforce the use of the Post-Construction Standards in the City's Stormwater Management Ordinance for applicable development and redevelopment, (2) annually evaluate the City's Stormwater Management Ordinance for post-construction stormwater runoff requirements to determine if revisions are required, (3) update the Ordinance, if required, and (4) if and when needed, develop linear project feasibility program to apply to future linear projects.

A. Did you comply with the measurable goal? Yes No

B. If not, explain why you did not comply with the measurable goal: N/A

4. **Ordinance Status**

A. Did you adopt or revise the ordinance during the reporting period? Yes No

B. If yes, provide the date of adoption: N/A

C. Does the ordinance require development in accordance with the Georgia Stormwater Management Manual (GSMM), a local design manual, and/or the Coastal Stormwater Supplement? Yes No

D. Does the ordinance adopt the performance standards in the 2016 GSMM?
Yes No

E. The adoption of the performance standards in the 2016 GSMM was required by January 2, 2017. If the adoption has not occurred by this deadline date, explain why and provide the projected completion date: The City plans to update its Post-Construction Stormwater Runoff Standards/Ordinance in 2019 to meet the requirements of the Coastal Stormwater Supplement (CSS) and 2016 version of the Georgia Stormwater Management Manual (GSMM).

F. If the ordinance was adopted or revised during the reporting period, is a copy of the adopted ordinance attached? Yes No

G. If the ordinance was adopted or revised during the reporting period and a copy is not attached, explain why: N/A. Although no revisions were made during this reporting period, a copy of the current ordinance is attached.

5. **Implementation Schedule**

A. BMP activities completed during this reporting period: The City has established legal authority to enforce a program to address stormwater runoff into the MS4 from new development and redevelopment projects through the adoption of Post-Construction Stormwater Runoff standards that are included in the City's Stormwater Management Ordinance (Chapter 22A, Article III). The Stormwater Management Ordinance was reviewed in 2018 and it was determined that the Post-Construction standards should be updated in 2019 to meet the requirements of the CSS and 2016 GSMM.

B. Date(s) for any BMP activities completed during this reporting period: The Stormwater Management Ordinance was reviewed during the reporting period, and updates to this ordinance are planned for 2019.

C. Did you comply with the implementation schedule in the SWMP? Yes No

D. If not, please explain why: N/A

6. **BMP Effectiveness**

A. Do you consider this BMP to be effective? Yes No

B. Do you plan to continue with implementation of this BMP or revise it in the SWMP? Continue Revise

C. Do you plan to revise the BMP description, implementation schedule, or measurable goal for this BMP? Yes No

D. If yes, please explain: N/A

1. **BMP # 2 (Table 4.2.5, BMP #2)**
2. **BMP Title: Inventory**
3. **Provide the measurable goal from the Permit and/or approved SWMP:** Update inventory annually as new development and redevelopment occur, and existing structures are identified (detention/retention ponds and water quality vaults).
 - A. Did you comply with the measurable goal? Yes No
 - B. If not, explain why you did not comply with the measurable goal: N/A
4. **Inventory Status**
 - A. Provide information on the number of structures inventoried during the reporting period:
 1. Number of publicly-owned post-construction structures added: 0
 2. Number of privately-owned post-construction structures added: 0
 - B. Provide information on the number of structures identified to date:
 1. Total number of publicly-owned post-construction structures: 0
 2. Total number of privately-owned post-construction structures: 7
5. **Documentation**
 - A. Did you attach documentation of the BMP activities completed during the reporting period? Yes No
 - B. If not, please explain why: N/A
6. **Implementation Schedule**
 - A. BMP activities completed during this reporting period: The City reviewed its inventory database of all publicly-owned post-construction stormwater management structures (e.g. detention / retention ponds, water quality vaults, infiltration structures) and those privately-owned structures designed after December 9, 2008 within the City. No publicly-owned or privately-owned structure were added during this reporting period. The City's inventory includes 0 public structures and 7 privately-owned structures. The current inventory of publicly-owned and privately-owned stormwater management structures is provided in the Appendix E.2.
 - B. Date(s) for any BMP activities completed during this reporting period: These activities were performed on an ongoing basis throughout the reporting period.

C. Did you comply with the implementation schedule in the SWMP? Yes No

D. If not, please explain why: N/A

7. **BMP Effectiveness**

A. Do you consider this BMP to be effective? Yes No

B. Do you plan to continue with implementation of this BMP or revise it in the SWMP?
Continue Revise

C. Do you plan to revise the BMP description, implementation schedule, or measurable goal for this BMP? Yes No

D. If yes, please explain: N/A

1. **BMP # 3 (Table 4.2.5, BMP #3)**
2. **BMP Title: Inspection Program**
3. **Provide the measurable goal from the Permit and/or approved SWMP:** The City identified two measurable goals for this BMP: (1) inspect 100% of public and private stormwater management structures on the City’s inventory (detention/retention ponds and water quality vaults) during this permit period, and (2) inspect at least 5% of the stormwater management structures on the inventory annually (at a minimum).

A. Did you comply with the measurable goal? Yes No

B. If not, explain why you did not comply with the measurable goal: N/A

4. Provide the status of inspections performed between 2018-2022:

Publicly-Owned Post-Construction Structures

Year	Total Number Post Construction Structures	Number Post Construction Structures Inspected	% Inspected
2018	0	0	N/A
2019			
2020			
2021			
2022			

Privately-Owned Post-Construction Structures

Year	Total Number Post Construction Structures	Number Post Construction Structures Inspected	% Inspected
2018	7	2	29%
2019			
2020			
2021			
2022			

5. Documentation
 - A. Did you attach documentation of the BMP activities completed during the reporting period? Yes No
 - B. If not, please explain why: N/A
6. **Implementation Schedule**

- A. BMP activities completed during this reporting period: The City of Brunswick has developed inspection procedures for stormwater management structures, including detention/retention ponds and water quality vaults. The City will inspect 100% of the inventoried ponds over the five-year permit period (2018–2022) with at least 5% of the structures inspected annually. In 2018, the City inspected 2 privately-owned structures. Copies of the inspection forms for each inspection conducted this reporting period are included in Appendix E.3
- B. Date(s) for any BMP activities completed during this reporting period: The inspections were conducted on November 13, 2018.
- C. Did you comply with the implementation schedule in the SWMP? Yes No
- D. If not, please explain why: N/A

7. **BMP Effectiveness**

- A. Do you consider this BMP to be effective? Yes No
- B. Do you plan to continue with implementation of this BMP or revise it in the SWMP? Continue Revise
- C. Do you plan to revise the BMP description, implementation schedule, or measurable goal for this BMP? Yes No
- D. If yes, please explain: N/A

1. **BMP # 4 (Table 4.2.5, BMP #4)**

2. **BMP Title: Maintenance Program**

3. **Provide the measurable goal from the Permit and/or approved SWMP:** The City identified four measurable goals for this BMP: (1) implement the Post-Construction Stormwater Inspection and Maintenance Program, (2) maintain 100% of City-owned or maintained stormwater management structures (ponds and vaults) as needed and identified through inspections over a five-year period, (3) ensure that 100% of all private stormwater management structures, as well as structures owned by public entities other than the City (where feasible), are designed and maintained in accordance with the City's Post-Construction Standards and have a Maintenance and Inspection Agreement, and (4) notify private owners (and public entities, where feasible/if applicable) of pond/vault maintenance needs identified through inspection.

A. Did you comply with the measurable goal? Yes No

B. If not, explain why you did not comply with the measurable goal: N/A

4. **Documentation**

A. Did you attach documentation of the BMP activities completed during the reporting period?:

1. Maintenance of permittee-owned structures: Yes No

2. Maintenance conducted by permittee on privately-owned structures or publicly-owned by other entities: Yes No NA

3. Summary list of maintenance agreements: Yes No

B. If not, please explain why: The City has zero (0) publicly-owned structures, so there is nothing to maintain. The City's current maintenance agreements were submitted in a previous annual report. There were no new structures this year, so there are no additional maintenance agreements to report.

5. **Implementation Schedule**

A. BMP activities completed during this reporting period: The City adopted Post-Construction Standards that require private owners to maintain their structural controls. The ordinance itself can be used to enforce maintenance, if needed. The ordinance requires development projects that include stormwater management structures to develop a Maintenance Covenant that must be approved with the Stormwater Management Site Plan. The Post-Construction Standards and the Maintenance Covenant provide the City with the authority to inspect private stormwater facilities to ensure that they are being maintained in accordance with the Covenant. Where feasible the City also encourages other public entities that own/operate stormwater management controls to sign an Inspection and Maintenance Agreement and properly maintain stormwater structures in accordance with the procedures and timetable outlined in the

City's Inspection and Maintenance Program Procedures. In 2018, inspections did not reveal any maintenance issues that needed to be addressed and no new maintenance covenants were established.

B. Date(s) for any BMP activities completed during this reporting period: These activities were performed on an ongoing basis throughout the reporting period.

C. Did you comply with the implementation schedule in the SWMP? Yes No

D. If not, please explain why: N/A

6. **BMP Effectiveness**

A. Do you consider this BMP to be effective? Yes No

B. Do you plan to continue with implementation of this BMP or revise it in the SWMP? Continue Revise

C. Do you plan to revise the BMP description, implementation schedule, or measurable goal for this BMP? Yes No

D. If yes, please explain: N/A

1. **BMP # 5 (Table 4.2.5, BMP #5)**
2. **BMP Title: GI/LID Structure Inventory**
3. **Provide the measurable goal from the Permit and/or approved SWMP:** Update inventory of GI/LID structures are constructed or existing structures are identified.
 - A. Did you comply with the measurable goal? Yes No
 - B. If not, explain why you did not comply with the measurable goal: N/A
4. **Documentation**
 - A. Did you attach documentation of the BMP activities completed during the reporting period? Yes No
 - B. If not, please explain why: N/A
5. **Implementation Schedule**
 - A. BMP activities completed during this reporting period: The City of Brunswick maintains an inventory of GI/LID structures constructed after December 6, 2012 that are located within City limits. The inventory is updated at least annually as new GI/LID structures are constructed or existing structures are identified. Each of the GI/LID structures were added to the inventory in 2018. The current GI/LID inventory includes one (1) publicly-owned structure and two (2) privately-owned structures. The inventory is provided in the Appendix E.5.
 - B. Date(s) for any BMP activities completed during this reporting period: The inventory is maintained on an ongoing basis throughout the reporting period.
 - C. Did you comply with the implementation schedule in the SWMP? Yes No
 - D. If not, please explain why: N/A
6. **BMP Effectiveness**
 - A. Do you consider this BMP to be effective? Yes No
 - B. Do you plan to continue with implementation of this BMP or revise it in the SWMP? Continue Revise
 - C. Do you plan to revise the BMP description, implementation schedule, or measurable goal for this BMP? Yes No
 - D. If yes, please explain: N/A

1. **BMP # 6 (Table 4.2.5, BMP #6)**
2. **BMP Title: GI/LID Program**
3. **Provide the measurable goal from the Permit and/or approved SWMP:** The City identified two measurable goals for this BMP: (1) develop and implement a GI/LID Program that meets the requirements specified in Table 4.2.5(a).6 of the facility's Phase II MS4 permit, and (2) include the GI/LID Program in the City's SWMP.
 - A. Did you comply with the measurable goal? Yes No
 - B. If not, explain why you did not comply with the measurable goal: The GI/LID Program is not required to be completed until the next reporting period (2019). The GI/LID Program is planned to be completed and submitted with the 2019 Annual Report on February 15, 2020.
4. **Program Development**
 - A. Has the GI/LID Program development been completed? Yes No

Note: For existing permittees, the deadline is February 15, 2020. For new permittees, the deadline is within 3 years of designation.
5. **Documentation**
 - A. Did you attach documentation of the BMP activities completed during the reporting period? Yes No
 - B. If not, please explain why: N/A, the deadline for the GI/LID Program is February 15, 2020.
6. **Implementation Schedule**
 - A. BMP activities completed during this reporting period: None. The GI/LID Program is not required to be completed until the next reporting period (2019). It is planned to be completed and submitted with the 2019 Annual Report on February 15, 2020.
 - B. Date(s) for any BMP activities completed during this reporting period: N/A
 - C. Did you comply with the implementation schedule in the SWMP? Yes No
 - D. If not, please explain why: N/A
7. **BMP Effectiveness**
 - A. Do you consider this BMP to be effective? Yes No

- B. Do you plan to continue with implementation of this BMP or revise it in the SWMP?
Continue Revise
- C. Do you plan to revise the BMP description, implementation schedule, or measurable goal for this BMP? Yes No
- D. If yes, please explain: N/A

1. **BMP # 7 (Table 4.2.5, BMP #7)**
2. **BMP Title: GI/LID Inspection and Maintenance Program**
3. **Provide the measurable goal from the Permit and/or approved SWMP:** Develop and implement GI/LID inspections and maintenance that meets the requirements specified in Table 4.2.5(a).7 of the facility's Phase II MS4 permit.
 - A. Did you comply with the measurable goal? Yes No
 - B. If not, explain why you did not comply with the measurable goal: This is not required until the 2020 reporting period.
4. **Documentation**
 - A. Did you attach documentation of the BMP activities completed during the reporting period? Yes No
 - B. If not, please explain why: N/A, this item is not required until the 2020 reporting period.
5. **Implementation Schedule**
 - A. BMP activities completed during this reporting period: None. This is not required until the 2020 reporting period.
 - B. Date(s) for any BMP activities completed during this reporting period: N/A
 - C. Did you comply with the implementation schedule in the SWMP? Yes No
 - D. If not, please explain why: N/A
6. **BMP Effectiveness**
 - A. Do you consider this BMP to be effective? Yes No
 - B. Do you plan to continue with implementation of this BMP or revise it in the SWMP? Continue Revise
 - C. Do you plan to revise the BMP description, implementation schedule, or measurable goal for this BMP? Yes No
 - D. If yes, please explain: N/A

GI/LID Ordinance Review (Section 4.2.5.3)

(Only complete this section if the MS4 population >10,000 on December 6, 2017)

1. You are required to 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. Was an evaluation of the MS4's ordinances, codes, and regulations conducted during the reporting period? Yes No

2. If an evaluation was completed during the reporting period, is documentation of the activity attached to this annual report? Yes No NA

3. Based on the results of the evaluation, did the MS4 determine that revisions to the ordinances, codes, and regulations were necessary? Yes No NA

4. If revisions to the document(s) were required, provide the name of the document(s) and the date(s) of adoption: N/A. The Code and Ordinance Worksheet Evaluation by the Center for Watershed Protection was completed during the previous permit cycle. When the Code and Ordinance Worksheet Evaluation was last completed, no revisions were required. Since there have been no significant changes, no activities were scheduled activities for this reporting period. The City plans to re-evaluate ordinances, codes, and regulations when it creates its "GI/LID Program" (BMP E.6) in 2019.

5. If revisions have not yet been completed, provide the status of the document revisions and a projected completion date: N/A. See note above.

Pollution Prevention/ Good Housekeeping
for Municipal Operations
Minimum Control Measure
(Table 4.2.6)

1. **BMP # 1 (Table 4.2.6, BMP #1)**

2. **BMP Title: MS4 Control Structure Inventory and Map**

3. **Provide the measurable goal from the Permit and/or approved SWMP:** Maintain and annually update an inventory and map of the City’s MS4 control structures, including catch basins, ditches, City-owned detention/retention ponds, and storm drain lines.

A. Did you comply with the measurable goal? Yes No

B. If not, explain why you did not comply with the measurable goal: N/A

4. **Inventory and Map Status**

A. Provide the number of structures inventoried and mapped during the reporting period:

1. Number of catch basins added: 0
2. Number of ditches added (state if miles or linear feet): 0
3. Number of publicly-owned detention/retention ponds added: 0
4. Number of storm drain lines added (state if miles or linear feet): 0

B. Provide the number of structures inventoried and mapped to date:

1. Total number of catch basins: 2,486
2. Total number of ditches (state if miles or linear feet): 59,536 ft
3. Total number of publicly-owned detention/retention ponds: 0
4. Total number of storm drain lines (state if miles or linear feet): 180,397 ft

5. **Documentation**

A. Did you attach documentation of the BMP activities completed during the reporting period? Yes No

B. If not, please explain why: N/A

6. **Implementation Schedule**

A. BMP activities completed during this reporting period: The City of Brunswick continues to maintain a GIS-based map and inventory of all MS4 components owned or maintained by the City within its jurisdiction. The inventory and map are provided in Appendix F.1. The inventory is an Excel file with separate tabs for “Inlets,” “Pipes,” and “Ditches.”

B. Date(s) for any BMP activities completed during this reporting period: The inventory was maintained on an ongoing basis throughout the reporting period.

C. Did you comply with the implementation schedule in the SWMP? Yes No

D. If not, please explain why: N/A

7. **BMP Effectiveness**

A. Do you consider this BMP to be effective? Yes No

B. Do you plan to continue with implementation of this BMP or revise it in the SWMP? Continue Revise

C. Do you plan to revise the BMP description, implementation schedule, or measurable goal for this BMP? Yes No

D. If yes, please explain: N/A

1. **BMP # 2 (Table 4.2.6, BMP #2)**
2. **BMP Title: MS4 Inspection Program**
3. **Provide the measurable goal from the Permit and/or approved SWMP:** Inspect the MS4 structures (at a minimum, catch basins, ditches, City-owned detention/retention ponds, and storm drain lines) in one zone per year so that 100% of structures are inspected within 5 years, and at least one structure is inspected each year.
 - A. Did you comply with the measurable goal? Yes No
 - B. If not, explain why you did not comply with the measurable goal: N/A
4. Provide the status of inspections performed between 2018-2022:

Catch Basins

Year	Total Number Catch Basins	Number Catch Basins Inspected	% Inspected
2018	2,486	280	11.2%
2019			
2020			
2021			
2022			

Pipes

Year	Total Pipes Number or Length (specify ft. or miles)	Number of Pipes or Length Inspected (specify ft. or miles)	% Inspected
2018	180,397 ft	36,689 ft	20.3%
2019			
2020			
2021			
2022			

Ditches

Year	Total Ditches Number or Length (specify ft. or miles)	Number of Ditches or Length Inspected (specify ft. or miles)	% Inspected
2018	59,536 ft	9,540 ft	16.0%
2019			
2020			
2021			
2022			

Publicly-Owned Detention/Retention Ponds

Year	Total Number Structures	Number Structures Inspected	% Inspected
2018	0	0	N/A
2019			
2020			
2021			
2022			

5. Documentation

A. Did you attach documentation of the BMP activities completed during the reporting period? Yes No

B. If not, please explain why: N/A

6. Implementation Schedule

A. BMP activities completed during this reporting period: The City of Brunswick has adopted a five (5) zone approach to inspections of the MS4 that allows for these activities to address 100% of the MS4 over five (5) years. The City performs inspections of the MS4 structures within one zone per year, rotating the zones each year, to ensure that 100% of the structures will be inspected within the five-year permit period. The inspections were documented through a field collection application (ESRI, Collector) that was downloaded on a cellular-based tablet to record the inspection results within the City’s GIS layer. Additionally, the City videoed 4,447 ft of storm pipe throughout the City to inspect the condition of pipes that otherwise could not be inspected. Inspection results and a map of the features inspected in Zone 1 are provided in Appendix F.2, and this appendix also includes the video-logs for additional pipe inspections. The quantities of inspections in Zone 1 are presented in the tables above.

B. Date(s) for any BMP activities completed during this reporting period: The inspections in Zone 1 were conducted in December 2018, and the video inspections were conducted throughout the reporting period.

C. Did you comply with the implementation schedule in the SWMP? Yes No

D. If not, please explain why: N/A

7. BMP Effectiveness

A. Do you consider this BMP to be effective? Yes No

- B. Do you plan to continue with implementation of this BMP or revise it in the SWMP?
Continue Revise
- C. Do you plan to revise the BMP description, implementation schedule, or measurable goal for this BMP? Yes No
- D. If yes, please explain: N/A

1. **BMP # 3 (Table 4.2.6, BMP #3)**
2. **BMP Title: MS4 Maintenance Program**
3. **Provide the measurable goal from the Permit and/or approved SWMP:** Maintain MS4 structures as needed, and as funding is available.
 - A. Did you comply with the measurable goal? Yes No
 - B. If not, explain why you did not comply with the measurable goal: N/A
4. **Documentation**
 - A. Did you attach documentation of the BMP activities completed during the reporting period? Yes No
 - B. If not, please explain why: N/A
5. **Implementation Schedule**
 - A. BMP activities completed during this reporting period: The City performs maintenance activities based on the results of the MS4 control structure inspections. Maintenance includes: debris removal, cleaning of inlet and outlet structures, sediment and vegetation removal, and earthwork activities. Maintenance activities are recorded in maintenance logs. A summary of maintenance activities in 2018 include: 7.06 miles of ditches cleaned/mowed, 168 stencils were replaced/repared, 6,863 ft of storm pipes cleaned with a vac truck, and 54 inlets cleaned with a vac truck. Logs outlining each of these activities are provided in Appendix F.3
 - B. Date(s) for any BMP activities completed during this reporting period: These activities were performed on an ongoing basis throughout the reporting period.
 - C. Did you comply with the implementation schedule in the SWMP? Yes No
 - D. If not, please explain why: N/A
6. **BMP Effectiveness**
 - A. Do you consider this BMP to be effective? Yes No
 - B. Do you plan to continue with implementation of this BMP or revise it in the SWMP? Continue Revise
 - C. Do you plan to revise the BMP description, implementation schedule, or measurable goal for this BMP? Yes No
 - D. If yes, please explain: N/A

1. **BMP # 4 (Table 4.2.6, BMP #4)**
2. **BMP Title: Street and Parking Lot Cleaning**
3. **Provide the measurable goal from the Permit and/or approved SWMP:** The City identified two measurable goals for this BMP: (1) sweep at least one mile of City streets, and (2) sweep all public parking lots per year.
 - A. Did you comply with the measurable goal? Yes No
 - B. If not, explain why you did not comply with the measurable goal: N/A
4. **Documentation**
 - A. Did you attach documentation of the BMP activities completed during the reporting period? Yes No
 - B. If not, please explain why: N/A
5. **Implementation Schedule**
 - A. BMP activities completed during this reporting period: The City conducts street sweeping to keep leaves and debris from being washed into the City's MS4 structures from City streets and/or public parking lots. In 2018, the City swept 1,656 miles of streets and collected 466.96 tons of debris through street sweeping. Street sweeping logs are provided in Appendix F.4. The City also has an established litter pick-up program in partnership with KGIB, as detailed in "BMP: B.1" as part of the City's Public Involvement Program. Volunteers pick up trash at dedicated outreach events in the community to prevent trash and other debris from washing into the City's stormwater system, marshes, and waterways.
 - B. Date(s) for any BMP activities completed during this reporting period: These activities were performed on an ongoing basis throughout the reporting period.
 - C. Did you comply with the implementation schedule in the SWMP? Yes No
 - D. If not, please explain why: N/A
6. **BMP Effectiveness**
 - A. Do you consider this BMP to be effective? Yes No
 - B. Do you plan to continue with implementation of this BMP or revise it in the SWMP? Continue Revise

C. Do you plan to revise the BMP description, implementation schedule, or measurable goal for this BMP? Yes No

D. If yes, please explain: N/A

1. **BMP # 5 (Table 4.2.6, BMP #5)**
2. **BMP Title: Employee Training**
3. **Provide the measurable goal from the Permit and/or approved SWMP:** The City identified two measurable goals for this BMP: (1) provide annual training for employees, and (2) document educational training events.
 - A. Did you comply with the measurable goal? Yes No
 - B. If not, explain why you did not comply with the measurable goal: N/A
4. **Documentation**
 - A. Did you attach documentation of the BMP activities completed during the reporting period? Yes No
 - B. If not, please explain why: N/A
5. **Implementation Schedule**
 - A. BMP activities completed during this reporting period: The City of Brunswick facilitates one (1) training session per year for City employees who are involved in implementation of the SWMP. The employee training addresses topics on good housekeeping for municipal operations and facilities, pollution prevention, and illicit discharge detection. In 2018, 37 employees watched a video titled “Storm Watch: Municipal Storm Water Pollution Prevention.” Additionally, two (2) City employees attended a day-long training event on bioretention conducted by the Georgia DNR-CRD and University of Georgia Marine Extension – “Bioretention Planning, Design, and Implementation Training.” The training agenda, email notification, sign-in sheets, and copy of the video training cover are provided in Appendix F.5.
 - B. Date(s) for any BMP activities completed during this reporting period: The Bioretention Training was held on May 16, 2018.
 - C. Did you comply with the implementation schedule in the SWMP? Yes No
 - D. If not, please explain why: N/A
6. **BMP Effectiveness**
 - A. Do you consider this BMP to be effective? Yes No
 - B. Do you plan to continue with implementation of this BMP or revise it in the SWMP? Continue Revise

C. Do you plan to revise the BMP description, implementation schedule, or measurable goal for this BMP? Yes No

D. If yes, please explain: N/A

1. **BMP # 6 (Table 4.2.6, BMP #6)**
2. **BMP Title: Waste Disposal**
3. **Provide the measurable goal from the Permit and/or approved SWMP:** Properly dispose of 100% of wastes removed from the MS4.
 - A. Did you comply with the measurable goal? Yes No
 - B. If not, explain why you did not comply with the measurable goal: N/A
4. **Documentation**
 - A. Did you attach documentation of the BMP activities completed during the reporting period? Yes No
 - B. If not, please explain why: N/A
5. **Implementation Schedule**
 - A. BMP activities completed during this reporting period: The City of Brunswick properly disposes of wastes including litter, debris, sediment, and other pollutants, removed from the drainage system during maintenance, street sweeping, litter pickup, or any other municipal activity. Waste collected from municipal sweeping and cleanup activities are tracked and are disposed of properly in a permitted solid waste landfill. Uncontaminated soils and sediment are used as needed as fill material. In 2018, 704.73 tons of debris was hauled off from the dumpster at Public Works (total weight includes stormwater system wastes and other debris generated from Public Works). Additionally, 466.96 tons of debris collected from street sweeping was hauled off. Stormwater wastes were collected by Waste Management, Inc. and invoices are provided in Appendix F.6.
 - B. Date(s) for any BMP activities completed during this reporting period: These activities were performed on an ongoing basis throughout the reporting period.
 - C. Did you comply with the implementation schedule in the SWMP? Yes No
 - D. If not, please explain why: N/A
6. **BMP Effectiveness**
 - A. Do you consider this BMP to be effective? Yes No
 - B. Do you plan to continue with implementation of this BMP or revise it in the SWMP? Continue Revise

C. Do you plan to revise the BMP description, implementation schedule, or measurable goal for this BMP? Yes No

D. If yes, please explain: N/A

1. **BMP # 7 (Table 4.2.6, BMP #7)**
2. **BMP Title: New Flood Management Projects**
3. **Provide the measurable goal from the Permit and/or approved SWMP:** Ensure 100% of new flood management projects comply with the City’s ordinance.
 - A. Did you comply with the measurable goal? Yes No
 - B. If not, explain why you did not comply with the measurable goal: N/A
4. **Documentation**
 - A. Did you attach documentation of the BMP activities completed during the reporting period? Yes No
 - B. If not, please explain why: N/A
5. **Implementation Schedule**
 - A. BMP activities completed during this reporting period: The City requires that all new developments comply with the Post Construction Stormwater Management ordinance which includes new City facilities. These requirements include provisions that mandate water quality enhancements be included within the design of the facility. The City continues to comply with these requirements and assesses all new flood management projects to determine if water quality will be impacted by the project and if water quality measures are warranted. The City’s Development Review Team (DRT), consisting of a group of departmental representatives assigned by the City Manager, meet periodically and review construction, subdivision, and other plans. The DRT typically met once per week throughout 2018 to review development plans. Meeting dates, sign-in sheets, and notes are provided in Appendix F.7. During this year, there were no new stormwater management structures (e.g., retention/detention ponds, or water quality vaults).
 - B. Date(s) for any BMP activities completed during this reporting period: The DRT typically met on a weekly basis to review construction, subdivision, and other plans.
 - C. Did you comply with the implementation schedule in the SWMP? Yes No
 - D. If not, please explain why: N/A
6. **BMP Effectiveness**
 - A. Do you consider this BMP to be effective? Yes No

- B. Do you plan to continue with implementation of this BMP or revise it in the SWMP?
Continue Revise
- C. Do you plan to revise the BMP description, implementation schedule, or measurable goal for this BMP? Yes No
- D. If yes, please explain: N/A

1. **BMP # 8 (Table 4.2.6, BMP #8)**
2. **BMP Title: Existing Flood Management Projects**
3. **Provide the measurable goal from the Permit and/or approved SWMP:** The City identified two measurable goals for this BMP: (1) perform Water Quality Assessment for 100% of City-owned detention and retention ponds within the 5-year permit period, and (2) evaluate potential retrofitting, if applicable.
 - A. Did you comply with the measurable goal? Yes No
 - B. If not, explain why you did not comply with the measurable goal: N/A
4. **Documentation**
 - A. Did you attach documentation of the BMP activities completed during the reporting period? Yes No
 - B. If not, please explain why: The City does not have any City-owned detention/retention ponds.
5. **Implementation Schedule**
 - A. BMP activities completed during this reporting period: The City developed Water Quality Assessment Procedures to ensure that existing City flood management projects (i.e., detention and retention ponds) are assessed for potential retrofitting to address water quality impacts. These procedures, which were approved by the Georgia EPD during the last permit period, have been revised to meet the requirements of the City's most recent MS4 Phase II permit. Since the City currently has no publicly owned facilities, no facilities were assessed in 2018.
 - B. Date(s) for any BMP activities completed during this reporting period: N/A. The City does not have any City-owned ponds.
 - C. Did you comply with the implementation schedule in the SWMP? Yes No
 - D. If not, please explain why: N/A
6. **BMP Effectiveness**
 - A. Do you consider this BMP to be effective? Yes No
 - B. Do you plan to continue with implementation of this BMP or revise it in the SWMP? Continue Revise

C. Do you plan to revise the BMP description, implementation schedule, or measurable goal for this BMP? Yes No

D. If yes, please explain: N/A

1. **BMP # 9 (Table 4.2.6, BMP #9)**
2. **BMP Title: Municipal Facilities**
3. **Provide the measurable goal from the Permit and/or approved SWMP:** The City identified three measurable goals for this BMP: (1) update inventory of municipal facilities with the potential to cause pollution annually, (2) inspect 100% of identified municipal facilities during the 5-year permit period (minimum of 5% inspected each year), and (3) document inspections.
 - A. Did you comply with the measurable goal? Yes No
 - B. If not, explain why you did not comply with the measurable goal: N/A
4. **Inventory and Inspection**
 - A. Inventory
 1. Was an inventory of municipal facilities with the potential to cause pollution updated during the reporting period? Yes No
 2. A copy of the inventory must be submitted with the annual report. Is the inventory attached? Yes No
 3. If the inventory is not attached, explain why: N/A
 - B. Inspection
 1. Provide the total number of municipal facilities on the inventory: 12
 2. Provide the number of municipal facilities inspected during the reporting period: 1
5. **Documentation**
 - A. Did you attach documentation of the BMP activities completed during the reporting period? Yes No
 - B. If not, please explain why: N/A
6. **Implementation Schedule**
 - A. BMP activities completed during this reporting period: The City previously developed an inventory of municipal facilities with the potential to cause pollution. This inventory is updated on an annual basis, and the City will inspect 100% of all municipal facilities with the potential to contribute pollutants to the MS4 within the 5-year permit and, at a minimum, inspect 5% of the municipal facilities annually. One (1) municipal facility inspection was conducted in 2018. The completed Municipal Facility Inspection Form is included in Appendix F.9. Each of the 12 facilities were also regularly checked on a monthly basis, and this is described in the logs included in the Appendix.

B. Date(s) for any BMP activities completed during this reporting period: The one municipal facility inspection was completed on December 20, 2018.

C. Did you comply with the implementation schedule in the SWMP? Yes No

D. If not, please explain why: N/A

7. **BMP Effectiveness**

A. Do you consider this BMP to be effective? Yes No

B. Do you plan to continue with implementation of this BMP or revise it in the SWMP?
Continue Revise

C. Do you plan to revise the BMP description, implementation schedule, or measurable goal for this BMP? Yes No

D. If yes, please explain: The City plans to begin using a new inspection form titled "Municipal Facility Stormwater Inspection Checklist" beginning in 2019. A copy of this new checklist (dated 2/15/19) is provided in Appendix F.9. Also, there are several storage areas at the Public Works Shop/Yard (204 Old Jesup Road), so they will be grouped as one facility in 2019 and beyond. The two Public Works Garages will be kept as separate facilities because they are separate buildings and the type of work conducted in them differs. As a result, the total number of facilities in 2019 will be 5.

Note: You must complete a BMP annual report page for any additional Pollution Prevention/Good Housekeeping BMPs contained in your SWMP.

Enforcement Response Plan
Section 4.3

1. You were required to develop an Enforcement Response Plan (ERP) and submit the document to EPD. Have you completed ERP development? Yes No
2. If yes, provide the date of submittal to EPD: 7/25/2014
3. If no, explain the reason for the delay and provide the status of the ERP development: The City of Brunswick's ERP was resubmitted to EPD with the updated Stormwater Management Plan in 2018, and it is included in Appendix G.

Impaired Waters
Section 4.4

1. You are required to develop either an Impaired Waters Plan (population <10,000) or a Monitoring and Implementation Plan (population >10,000). Check which one you are required to develop:

 Impaired Waters Plan
 Monitoring and Implementation Plan

2. For existing permittees, you were required to submit the relevant Plan to EPD by February 15, 2015. For new permittees (designated on March 7, 2014), you were required to submit the relevant Plan by February 15, 2018. Have you completed development of the Plan?
Yes No

3. If yes, provide the date of submittal to EPD: 2/16/2016

4. If no, provide the status of the Plan development: N/A.
This plan was originally submitted in March 2015. The City's most recent revisions were completed in January 2016, and it was submitted to EPD in February 2016. The City is awaiting comments from EPD. A copy of the Plan is included in Appendix H.

5. You are required to check the latest 305(b)/303(d) list to determine if newly listed waters are within your jurisdiction. Have you reviewed this list? Yes No

6. If newly listed waters have been identified, you must revise your Plan. If a Plan revision is required, provide the status and the projected date for submittal to EPD: N/A, no newly listed waters were identified within the City's jurisdiction.

Sharing Responsibility
Section 4.5

1. Are you sharing responsibility for implementation of any part of the SWMP with another entity? Yes No
2. If yes, provide the name of the entity: N/A
3. Are you performing tasks for another entity? Yes No
4. Is another entity is performing tasks on your behalf? Yes No
5. If you answered “Yes” to either question #3 or #4, describe what tasks are being performed by which entity: N/A
6. You must provide a copy of a signed intergovernmental agreement. Was an agreement included with the SWMP? Yes No