

DANA WILLIAMS
MAYOR

ROBERT L. MILIE
TOWN ADMINISTRATOR

DEATRE N. DENION
CLERK/ZONING ADMINISTRATOR

CHARLES W. BARROW
TOWN ATTORNEY



COUNCIL MEMBERS

DAVID P. CRENSHAW

BROOKS BARBAREE

EDWARD M. DROHAN, III

JAMES P. LAVIN

BETHANY SKIPPER-GREER

LAWRENCE WARD

May 1, 2023

Miranda Knepp
Environmental Compliance Specialist
Stormwater Unit, Watershed Protection Branch
Environmental Protection Division
2 Martin Luther King, Jr. Drive SE
Suite 1462 East Tower
Atlanta, Georgia 30334

RE: Town of Thunderbolt, Georgia Phase I Medium Municipal Separate Storm Sewer System (MS4) 2022–2023 Annual Report, Permit #GAS000211

Dear Ms. Knepp,

Enclosed you will find the Phase I Medium MS4 2022–2023 Annual Report for the Town of Thunderbolt, Georgia. This report summarizes activities that took place for the reporting period April 1, 2022–March 31, 2023. Due to the large volume of appendices referenced in the Annual Report, the appendices are included as electronic files on the enclosed flash drive. The electronic files are organized with a primary folder for each Minimum Control Measure (MCM) and subfolders for each BMP included within the corresponding MCM folder. The specific BMP subfolders contain supporting documentation and information required per the Town's Stormwater Management Plan. When supporting documentation is provided, the subfolders are referenced by number in the Annual Report.

If you have any questions, or require additional information, please contact me at (912) 629-4655.

Sincerely,

Deatre Denion, Town Clerk
Town of Thunderbolt, Georgia

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: February 2022

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

Part 1- General Information

- A. Name of Permittee: Town of Thunderbolt
- B. Mailing Address: 2821 River Drive, Thunderbolt, Ga 31404
- C. Contact Person: Deatre Denion Title: Town Clerk
- D. E-Mail Address: ddenion@thunderboltga.org
- E. Telephone Number: 912.629.4655
- F. Reporting Period (April 1, 2022 through March 31, 2023)
- G. List any other party or parties (e.g. Keep America Beautiful affiliates) responsible for implementing the Stormwater Management Program (SWMP) or a program component during this reporting period. If not previously submitted, provide a Memorandum of Agreement: *Chatham County is responsible for inspecting and maintaining major canals (1.67 miles of Placentia Canal and 0.24 miles of Downing Canal) that are located within the Town's municipal limits. A current intergovernmental agreement is provided in Appendix 1.2.*
- H. 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: Dana Williams

Title: Mayor, Town of Thunderbolt

Date: May 2, 2023

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 MS4 structures. At a minimum, include catch basins, ditches, detention/retention ponds and water quality vaults, and storm drain lines.

1. MS4 Structures (Table 3.3.1, Item 1)

- a. How many permanent MS4 structures for which the permittee is responsible were added during this reporting period? (explain type and number of each) 0
- b. Including the structures added this reporting period, what is the total number of permanent MS4 structures which the permittee is responsible for inspecting and maintaining?

catch basins	32
ditches (miles or linear feet)	1.75 miles
detention/retention ponds & vaults	0
storm drain lines (miles or linear feet)	9.56 miles

- c. Are an updated inventory and map of the permanent MS4 structures attached?
Yes No

2. MS4 Inspections and Maintenance (Table 3.3.1, Item 2)

- a. Were inspections of MS4 structures performed using geographical areas or sectors?
Yes No
- b. How many permanent MS4 structures were inspected?

Catch Basins

Year	Total Number of Catch Basins	Number of Catch Basins Inspected	% Inspected
2022-2023	32	9	28.1%
2023-2024			
2024-2025			
2025-2026			
2026-2027			
TOTAL	32	9	28.1%

Pipes

Year	Total Pipes Number or Length (specify ft. or miles)	Number of Pipes or Length Inspected (specify ft. or miles)	% Inspected
2022-2023	9.56 miles	1.38 miles	14.4%
2023-2024			
2024-2025			
2025-2026			
2026-2027			
TOTAL	9.56 miles	1.38 miles	14.4%

Ditches

Year	Total Ditches Number or Length (specify ft. or miles)	Number of Ditches or Length Inspected (specify ft. or miles)	% Inspected
2022-2023	1.75 miles	0.81 miles	46.3%
2023-2024			
2024-2025			
2025-2026			
2026-2027			
TOTAL	1.75 miles	0.81 miles	46.3%

Detention/Retention Ponds & Vaults

Year	Total Number of Ponds & Vaults	Number of Ponds & Vaults Inspected	% Inspected
2022-2023	0	0	-
2023-2024			
2024-2025			
2025-2026			
2026-2027			
TOTAL	0	0	-

- c. Documentation of each inspection performed must be attached as an addendum to this report. Is documentation attached? Yes No

- d. How many permanent MS4 structures were maintained during this reporting period?

catch basins	0
ditches (miles or linear feet)	30,105 feet
detention/retention ponds & vaults	0
storm drain lines (miles or linear feet)	0

- e. Documentation of each maintenance activity performed must be attached as an addendum to this report. Is documentation attached? Yes No

- f. Describe any tasks associated with control structure inspection and maintenance (e.g. repairs), not addressed in the questions above: *Documentation of maintenance activities is provided in Appendix 1.2. The Town regularly inspects and or maintains catch basins, outfall ditches, and roadside ditches to ensure effective operation. Litter and sediment are removed as needed from all municipal-owned roadside ditches. Right-of-ways are mowed and excess emergent vegetation is removed to ensure proper functioning of ditches as well as to allow staff to better visualize any problems associated with the system. Unincorporated Chatham County currently has an agreement with the Town to assist with maintenance of major canals. A copy of the intergovernmental agreement is provided in Appendix 1.2. Chatham County is responsible for the operation and maintenance of 1.67 miles of Placentia Canal and 0.24 miles of Downing Canal.*

3. Planning Procedures (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 plan during the reporting period.*

4. Street Maintenance (Table 3.3.1, Item 4)

- a. What method do you use to conduct street cleaning:
- Street sweeping
 - Litter removal
- b. If you engage in street sweeping, how many miles of streets were swept during the reporting period? (Provide documentation): *The Town manually swept over 1 mile of streets during this reporting period, including sweeping and litter pick up on portions of Victory Drive, Bonaventure, Whatley, and River Drive. Copies of Town work orders related to MS4 maintenance, including manual street sweeping, are included in Appendix 1.2.*

- c. If you engage in litter removal, 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) (Provide documentation): *Routine litter removal activities are typically done in-house by the Public Works Department. Public Works staff remove litter/trash daily at the Town's three parks. Litter removal is also completed anytime a citizen complaint is made to the Town or if there is a specific work order for any materials dumped within the Town limits. The Town manually removes litter from streets as part of the manual street sweeping activities and from ditches prior to mowing. Documentation of maintenance activities performed by Public Works is provided in Appendix 1.4.*
- d. 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: *The Town makes minor road and pothole repairs throughout the Town's jurisdiction, ensuring that land disturbances resulting from road construction are stabilized as much as practicable to prevent erosion and sedimentation. Copies of the Town's 2022 and 2023 tracking reports, which quantify road repairs, is included in Appendix 1.4.*

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

a. **New** flood management projects

- 1. Were any newly proposed flood management projects (e.g. wet or dry retention ponds, water quality vaults, 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*
- 3. Provide the number of projects that resulted in a new detention/retention structure: *N/A*

b. **Existing** flood management projects

- 1. Provide the number of existing permittee-owned flood management projects (e.g. detention and retention ponds) on the inventory: *None*
- 2. Previously evaluated flood management devices
 - a. Were any existing permittee-owned structural flood management devices (e.g. wet or dry retention basins, water quality vaults, channels) evaluated during a previous reporting period to determine if retrofitting the device for additional pollutant removal is feasible?

Yes No

b. If yes, is documentation of the previous evaluation attached?

Yes No

c. If no, explain why the documentation is not attached: *The Town does not own any ponds.*

3. For evaluated flood management projects, the permittee must attach a table listing the structure location or identification, the date of assessment, the results of the assessment, and the status of any retrofitting activities.

a. Is a table attached?

Yes No

b. If the table is not attached, explain the reason: *The Town does not own any ponds.*

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 date of the inventory: *March 31, 2023*

c. Provide the number and percentage of the municipal facilities inspected:

Year	Total Number of Municipal Facilities	Number of Municipal Facilities Inspected	% Inspected
2022-2023	2	2	100%
2023-2024			
2024-2025			
2025-2026			
2026-2027			
TOTAL	2	2	100%

d. 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*
- e. 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
- f. Describe any problems identified during the inspection and any corrective actions taken: *None*
- g. 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?

Task Completed	Yes	No	Not Applicable
Developed or updated inventory of PFH used by MS4	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Municipal employee safety training in use, storage and disposal of PFH	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Implemented program for municipal use of native, low-maintenance, or drought-resistant vegetation	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

- 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: *The Town does not purchase or store any restricted-use fertilizers, pesticides, or herbicides. Therefore, the Town does not have the need to develop an inventory or storage program or train staff on PFH-related topics. The Town contracts with Yates Astro, a certified pesticide applicator, to perform pesticide application activities at the Town's recreational facilities. A copy of Yates Astros' Department of Agriculture license is provided in Appendix 1.6. Landscaping practices used at the Town's parks include native/less water-demanding species.*

- 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: *The Town of Thunderbolt relies on the Georgia Department of Agriculture (DoA) to address requirements for Pesticide Applicator Training and Certification. The DoA requires commercial applicators of pesticides (herbicides and insecticides) to obtain and retain a “Commercial Pesticide Applicators License.” The DoA also requires that distributors of restricted pesticides obtain and retain “Distributor Licenses.” The Town has a contract with Yates Astro, a certified commercial pesticide applicator, to perform pesticide application activities at the Town’s recreational facilities A copy of Yates Astros’ Department of Agriculture license is provided in Appendix 1.6.*

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: *Thunderbolt’s Stormwater Ordinance that also addresses illicit discharges was last updated on February 8, 2012.*
- b. Provide the date that the permittee evaluated the ordinance during the reporting period: *March 31, 2023*
- c. 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? *There were no outfalls added during the reporting period.*
- b. The permittee must submit an updated inventory and map showing the outfalls and the location and names of all receiving streams with each annual report. Are the inventory and map attached?
Yes No

3. Outfall Inspections (Table 3.3.2, Item 3)

- a. Provide the status of the outfall inspections conducted:

Year	Total Number of Outfalls	Number of Outfalls Inspected	% Inspected
2022-2023	31	5	16%
2023-2024			
2024-2025			
2025-2026			
2026-2027			
TOTAL	31	5	16%

- b. Did you comply with the inspection frequency described in the SWMP?
Yes No
- c. If not, describe the reason and provide the steps taken to comply with the SWMP during the next reporting period: [Click here to enter text.](#)
- d. Of the outfalls screened during the reporting period, how many of the outfalls had flow? 0
- e. Attach completed outfall inspection forms for all outfalls inspected during the reporting period. Are inspection forms attached?
Yes No
- f. 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
N/A	N/A	N/A

- g. 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): N/A
- h. Provide documentation on any enforcement actions taken for each illicit discharge during the reporting period: N/A
- i. Alternate Method
1. Was an alternate method used to conduct inspections for illicit discharges? If yes, describe the activities conducted: N/A

2. Is documentation attached demonstrating that at least one alternate method activity was performed during the reporting period?
Yes No
3. If not, explain the reason the activity was not performed or the documentation was not attached: *No alternate method was required during screening because no dry weather flow was detected.*

j. Stream Walks (Table 3.3.2, Item 3)

1. Were any stream walks conducted during the reporting period?
Yes No NA
2. 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*
3. Were the stream walks performed in conjunction with dry weather outfall screening? Yes No

If yes, provide the following:

Year	Total Stream Miles	Number of Stream Miles Walked	% Walked
2022-2023	<i>N/A</i>	<i>N/A</i>	<i>N/A</i>
2023-2024			
2024-2025			
2025-2026			
2026-2027			
TOTAL			

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):

Spill Date	Spill Location	Party Responsible for Spill	Substance(s) Spilled	Amount Spilled
<i>N/A</i>	<i>N/A</i>	<i>N/A</i>	<i>N/A</i>	<i>N/A</i>

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 documentation): *Violations can be reported electronically on Thunderbolt’s website under the “Contact Us” tab. Visitors to the website can electronically report code violations, including illicit discharges and illegal dumping. This tab also lists contact phone numbers for those who prefer to call in a violation. See <http://www.thunderboltga.org/Contact-Us>. Information about proper waste management practices to reduce illicit discharges, including downloadable educational brochures and illustrations are also included on the Town’s Stormwater website at <http://www.thunderboltga.org/Community/Stormwater-Management>. The stormwater webpage also has a link to report any issues or concerns. Webpage screenshots are provided in Appendix 2.5.*
- 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 (Table 3.3.2, Item 5): *2 stormwater complaints were received during the reporting period, a tracker can be found in Appendix 2.5.*

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): *Information about proper management of used oil and toxic materials, including downloadable educational brochures and illustrations, is provided on the Town’s stormwater webpage. The Town also maintains links on its “Stormwater Management” and “Utilities – Water, Sewer, and Garbage” webpages to direct citizens to the Chatham County Resource Conservation Education Center (CCRCEC) website for information about proper dispose of hazardous and nonhazardous household waste. The CCRCEC website includes a listing of facilities and businesses that will accept waste oil, hard to recycle materials, toxic wastes, and recyclables from the public. See <http://www.thunderboltga.org/Community/Stormwater-Management> and <http://www.thunderboltga.org/Administration/Utilities>. Screenshots of the Town’s webpages are included in Appendix 2.6.*

Other relevant activities include:

- *The Town’s Public Works Department has a container at the Public Works Building to collect and recycle used motor oil from Town equipment and*

machinery if any maintenance were to occur onsite. During this reporting period, no used oil was generated from onsite maintenance activities.

- *The Town also occasionally places messages about illegal dumping, recycling, and community events on the residents' water bills or in newsletters.*
- *Orphan tires, abandoned white goods/appliances and yard waste are collected within the right of way throughout Thunderbolt and disposed of/ recycled properly.*
- *Thunderbolt operates a weekly curbside recycling as well as a stand-alone recycling drop off site that accepts paper products year-round. Recycle bags are also available at Honey Park for marine debris. The Town of Thunderbolt's website has a direct link to Atlantic Waste Services, which is the waste hauling and collection contractor for the Town. During the 2022-2023 reporting period, 90.08 tons of recyclable materials were collected in Thunderbolt. Copies of monthly reports (which document recycling activities) are included in Appendix 2.6.*

7. Sanitary Sewer Infiltration (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: *Thunderbolt currently has an inflow and infiltration program that includes visual inspections. Sewer lines are also inspected based on complaints or any abnormal findings during dry weather screening inspections. Lift stations are inspected daily, and flows are monitored during rain events. Sewer maintenance conducted by the Town is documented through the Town's work order system and monthly logs. Third party contractors may also assist with sewer maintenance activities as needed. Example copies of the Town's monthly logs are provided in Appendix 2.7; work orders and sewer inspection logs may be obtained by contacting the Town. Invoices from a third-party contractor who conducted maintenance on lift stations during this reporting period is also included in Appendix 2.7.*

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 date of the inventory: *March 31, 2023*

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 stormwater issues, not just industrial pretreatment requirements).** Are any 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 Facilities	Number of Facilities Inspected	% Inspected
2022-2023	1	0	-
2023-2024			
2024-2025			
2025-2026			
2026-2027			
TOTAL	1	0	-

d. SWMP Compliance

- Did you comply with the inspection frequency described in the SWMP?
Yes No
- If not, describe the reason and the steps taken to comply with the SWMP during the next reporting period: [Click here to enter text.](#)

e. Monitoring (Table 3.3.3, Item 2)

- Did the permittee determine that any industrial users are a substantial pollutant loading to the MS4?
Yes No
- 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
- The results of any monitoring performed should be attached as an addendum to this report. Are monitoring results attached?

Yes No

3. Enforcement (Table 3.3.3, Item 3)

- a. Were any enforcement actions taken against industrial facilities for stormwater violations during the reporting period (Table 3.3.3, Item 3)?

Yes No

- b. If yes, provide documentation, including the number and type of enforcement actions, the violations addressed, etc.: *No enforcement activities were taken against industrial facilities this reporting period. However, please note that the Town has repeatedly notified Hinckley Yacht Services that they may be subject to Industrial Permitting Requirements (Sector 8.R) and the site has stated they have or will submit an NOI; however, this site was not listed on EPD's most updated list of facilities that have coverage under the IGP (dated January 2021). Since this is a state permitting issue, the Town does not have the authority to enforce this issue and is hereby notifying the EPD again of this finding. Information about this site has been submitted to the EPD in previous Annual Reports and the Town has notified EPD via email as well. Copies of the Town's correspondence with EPD is provided in Appendix 3.3.*

4. Educational Activities (Table 3.3.3., Item 4)

- a. Describe the educational activities performed during the reporting period which targeted industries and attach documentation of any activities (Table 3.3.3, Item 4): *The Town's Stormwater website provides information for industrial facility owners/operators about controlling stormwater pollution at their facilities and proper waste management practices. The website includes a link to Volume 3 of the GSMM – Pollution Prevention Guidebook. This guidebook provides information on pollution prevention and control measures for residential, commercial, industrial, institutional, and municipal users/operations. The Town distributed the EPD's informational handout on the requirements of the NPDES IGP and other industrial stormwater best practices educational information to industrial facilities during industrial stormwater site inspections that took place in the 2017-2018 reporting period. The inspection and walk-through were conducted with the General Managers and/or other site management personnel. Copies of the educational materials that were distributed are included in Appendix 3.4 as well as screenshots of the Town's stormwater webpage.*

D. Construction Site Management Program (Section 3.3.4)

1. Local Issuing Authority status

- a. Are you a Local Issuing Authority (LIA)? Yes No

- b. If you are an LIA, you are required to submit semi-annual reports to the Georgia Soil and Water Conservation Commission (GSWCC) per O.C.G.A. 12-7-8. Did you provide the required reports to GSWCC? Yes No
 - c. Provide the dates that the semi-annual reports were submitted to the GSWCC. If the reports were not submitted, then explain the reason: *N/A*
 - d. Provide copies of the semi-annual reports. Are the reports attached? Yes No
 - e. If the semi-annual reports are not attached, then explain the steps the permittee will take to correct this deficiency in the future: [Click here to enter text.](#)
2. Legal Authority (Table 3.3.4, Item 1)
- a. Provide the date the Erosion and Sedimentation ordinance was evaluated during the reporting period: *In a comment letter regarding the Town's Stormwater Management Plan from the EPD, dated January 11, 2023, EPD clarified that a previous conclusion exempting the town from this requirement was incorrect. As indicated in the Town's February 23, 2023 Response letter, the Town will update the Erosion and Sedimentation ordinance and submit a copy of the revised ordinance with the 2023 – 2024 annual report.*
 - b. When was the MS4's ordinance to control soil erosion and sediment adopted or last updated? *The Town will submit the ordinance with the 2023 – 2024 annual report.*
 - 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
3. Site Plan Review (Table 3.3.4, Item 2):
- a. Number of site plans received: *The EPD and NRCS are responsible for reviewing all ES&PC plans for qualifying land development projects. It is the Town's understanding that no site plans were reviewed by the EPD and/or NRCS this reporting period.*
 - b. Number of site plan reviews conducted: *None*
 - c. Number of site plans approved: *N/A*
 - d. Number of site plans denied: *N/A*
 - 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: *None*

2. A list or table of permits issued during the reporting period should be provided. Is this information attached? Yes No

4. Inspection Program (Table 3.3.4, Item 3)

a. How many active construction sites were inspected during the reporting period? *None*

b. How many total inspections of these active construction sites were conducted during the reporting period? *None*

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

5. 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, including the amount of any assessed penalties. (attach additional sheets if necessary):

Site Location	Type of Enforcement Action	Date of Enforcement	Amount of Penalty
<i>Shell Road</i>	<i>Stop work order</i>	<i>9/16/22</i>	<i>0</i>

6. 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 documentation of each current certification (e.g. copies of certification cards, printouts from GSWCC website). Is the information attached? Yes No

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? *N/A*
- c. Provide the date of the updated inventory: *March 31, 2023*

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 Number of Facilities	Number of Facilities Inspected	% Inspected
2022-2023	20	4	20%
2023-2024			
2024-2025			
2025-2026			
2026-2027			
TOTAL	20	4	20%

- 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: [Click here to enter text.](#)

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 and attach documentation: *No enforcement actions needed to be taken.*

Facility Name	Facility Location	Action Taken by MS4
N/A	N/A	N/A

4. Educational Activities (Table 3.3.5, Item 4)

- a. Describe the educational activities performed during the reporting period that targeted HVPS facilities and provide documentation of the activities: *The Town’s Stormwater website contains information to education HVPS owners/operators re: onsite practices to control stormwater pollution according to their specific commercial activities (<http://www.thunderboltga.org/Community/Stormwater-Management>). Two categories of HVPS that are targeted through this educational effort are automotive/boat repair/maintenance businesses and gas stations, which are the predominant types of HVPSs in the Town of Thunderbolt. The website also includes a link to Volume 3 of the GSMM – Pollution Prevention Guidebook. This guidebook provides information on pollution prevention and control measures for residential, commercial, industrial, institutional, and municipal users/operations. In addition to information on the website, Town staff has a face-to-face meeting with the manager or staff member during or immediately following the HVPS inspection to provide information and tips on pollution prevention control measures at their facility. The Town staff also provides educational materials to site personnel during HVPS inspections. Copies of educational resources that may be handed out during site inspections are included in Appendix 5.4. Based on the type of facility and operations, the Town staff selects appropriate handouts and brochures from this collection to distribute to the facility manager.*

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

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: [Click here to enter text.](#)

- C. Are there any changes to the SWMP proposed for the upcoming reporting period? If so, please describe: *No*

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: [Click here to enter text.](#)

Part 5 - Impaired Waters (Section 3.3.7)

- A. Impaired waters added to 305(b)/303(d) list **this** reporting period:
1. Was a new impaired water added to the 305(b)/303(d) list during **this** reporting period?
Yes No

If yes, provide the following information for any impaired waters located within your jurisdictional area that are included on the latest approved 305(b)/303(d) list:

Name of Water	Pollutant of Concern
N/A	N/A

2. For any impaired waters added to the 305(b)/303(d) list this reporting period, you must develop an Impaired Waters Plan (IWP). As part of the IWP, you must:

- i. Provide a map showing the impaired waters, 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: [Click here to enter text.](#)
- 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

3. 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

4. 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: [Click here to enter text.](#)

B. Impaired waters included on the 305(b)/303(d) list during previous reporting periods:

1. Was an Impaired Waters Plan (IWP) developed during a **previous** reporting period?
Yes No

If yes, provide the following information for any impaired waters located within your jurisdictional area that are included on the latest approved 305(b)/303(d) list and addressed in a previously developed IWP:

Name of Water	Pollutant of Concern	Sampling Frequency
N/A	N/A	N/A

2. For any impaired waters covered by an existing IWP, you must:

a. Attach a copy of the approved IWP. Is the IWP attached? Yes No

b. Was a Sampling and Quality Assurance Plan (SQAP) submitted to EPD?
Yes No NA

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

- d. Provide monitoring data for each POC. Is the monitoring data attached?
Yes No
- e. Provide an assessment of the monitoring data related to water quality (e.g. line graphs, narrative). Is the assessment attached? Yes No
- f. If the monitoring data and assessment are not attached, explain the reason: [Click here to enter text.](#)
- g. Provide an assessment of the effectiveness of each BMP chosen to address the POC. Is the BMP assessment attached?: Yes No
- h. If an assessment was not performed, explain why: [Click here to enter text.](#)
- i. If you plan to delete any BMPs, modify any existing BMPs, or use any new BMPs during the next reporting period, describe the revisions: [Click here to enter text.](#)

Part 6 – Municipal 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: *2/2/2023*
Topic(s) of Training: *SWMP Training*
Number of employees trained: *2*
Who conducted the training: *Town of Thunderbolt*
Method of training: *PowerPoint*
- 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.), and provide documentation of each activity:
 - a. Activity #1:
 - i. Describe the public education activity: *Stormwater webpage*
 - ii. Provide the measurable goal for the activity: *Update stormwater webpage annually and record the number of webpage hits.*
 - iii. Did you comply with the measurable goal: Yes No

- iv. If no, describe the reason: [Click here to enter text.](#)
- v. You must attach documentation of activity implementation. Is documentation attached? Yes No

b. Activity #2:

- i. Describe the public education activity: *Town Newsletter*
- ii. Provide the measurable goal for the activity: *Produce and distribute a Town Newsletter once per reporting period that includes stormwater and water resource-related topics.*
- iii. Did you comply with the measurable goal: Yes No
- iv. If no, describe the reason: [Click here to enter text.](#)
- v. You must attach documentation of activity implementation. Is documentation attached? Yes No

c. Activity #3:

- i. Describe the public education activity: *Educational brochures*
- ii. Provide the measurable goal for the activity: *Place educational brochures at Town Hall and monitor the number taken throughout the reporting period.*
- iii. Did you comply with the measurable goal: Yes No
- iv. If no, describe the reason: [Click here to enter text.](#)
- v. You must attach documentation of activity implementation. Is documentation attached? Yes No

d. Activity #4: (The Town conducted an additional Public Education BMP which exceeds permit and SWMP requirements.)

- i. Describe the public education activity: *Social media post*
- ii. Provide the measurable goal for the activity: *Make at least one social media post per reporting period regarding stormwater education.*
- iii. Did you comply with the measurable goal: Yes No
- iv. If no, describe the reason: [Click here to enter text.](#)
- v. You must attach documentation of activity implementation. Is documentation attached? Yes No

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.:

a. Activity #1:

- i. Describe the public involvement activity: *Public input on SWMP*

ii. Provide the measurable goal for the activity: *Post Town's most recent SWMP update and Annual Report to website with link for comments.*

iii. Did you comply with the measurable goal: Yes No

iv. If no, describe the reason: [Click here to enter text.](#)

v. You must attach documentation of activity implementation. Is documentation attached? Yes No

b. Activity #2:

i. Describe the public involvement activity: *Public input on SWMP and AR*

ii. Provide the measurable goal for the activity: *Promote phone number and Town website to encourage public to report illicit discharges and dumping. Record and respond to all complaints.*

iii. Did you comply with the measurable goal: Yes No

iv. If no, describe the reason: [Click here to enter text.](#)

v. You must attach documentation of activity implementation. Is documentation attached? Yes No

c. Activity #3:

i. Describe the public involvement activity: *Native plant sale*

ii. Provide the measurable goal for the activity: *Encourage residents to incorporate native plants in their landscaping, provide educational material to attendees.*

iii. Did you comply with the measurable goal: Yes No

iv. If no, describe the reason: [Click here to enter text.](#)

v. You must attach documentation of activity implementation. Is documentation attached? Yes No

d. Activity #4: (The Town conducted an additional Public Involvement BMP which exceeds permit and SWMP requirements.)

i. Describe the public involvement activity: *Trash pick up event*

ii. Provide the measurable goal for the activity: *Conduct trash pick up events open to the public.*

iii. Did you comply with the measurable goal: Yes No

iv. If no, describe the reason: [Click here to enter text.](#)

v. You must attach documentation of activity implementation. Is documentation attached? Yes No

e. Activity #5: (The Town conducted an additional Public Involvement BMP which exceeds permit and SWMP requirements.)

i. Describe the public involvement activity: *Earth Day recycling event*

ii. Provide the measurable goal for the activity: *Conduct recycling event open to the public where citizens can dispose of recyclable items.*

iii. Did you comply with the measurable goal: Yes No

iv. If no, describe the reason: [Click here to enter text.](#)

v. You must attach documentation of activity implementation. Is documentation attached? Yes No

Part 7- Post-Construction (Section 3.3.11(b)(2))

A. Legal Authority (Table 3.3.11(b)(2), Item 1)

1. Provide the date when the MS4 post-construction ordinance(s) was adopted or updated:
February 8, 2012
2. If required, provide the date the 2019 Metropolitan North Georgia Water Planning District post-construction ordinance was adopted: [Click here to enter text.](#)
3. 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
4. Does the ordinance include the adoption and implementation of the Georgia Stormwater Management Manual, the Coastal Supplement, and/or an equivalent local design manual?
Yes No
5. Provide either the date the design manual was adopted and the Stormwater Runoff Quality/Reduction performance standard was implemented: *February 8, 2012*
6. If the permittee has not implemented the Stormwater Runoff Quality/Reduction performance standard, then explain why and provide the status: [Click here to enter text](#)
7. 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.
 - a. Was an evaluation performed during the reporting period? Yes No
 - b. If yes, then describe the method used to conduct the evaluation (Attach documentation of the evaluation performed): [Click here to enter text.](#)
 - c. If no, explain the reason: *The Town will complete the ordinance review during the current 22 – 27 permit period.*
8. Were any revisions to the ordinances or regulations completed during this reporting period?
Yes No
9. 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 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. Was a Linear Transportation Feasibility Program developed? Yes No

If yes, has the program been approved by EPD? Yes No

3. 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 Structure Inventory (Table 3.3.11(b)(2), Item 3)

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

2. Provide the total number of GI/LID structures included on the inventory:
Permittee-owned: 0
Publicly-owned by other entities: 0
Privately-owned non-residential: 0

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

2. 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:

Permittee-Owned Structures

Year	Total Number GI/LID Structures	Number Inspected	% Inspected
2022-2023	0	0	-
2023-2024			
2024-2025			
2025-2026			
2026-2027			
TOTAL	0	0	-

Publicly-Owned By Other Entities Structures

Year	Total Number GI/LID Structures	Number Inspected	% Inspected
2022-2023	0	0	-
2023-2024			
2024-2025			
2025-2026			
2026-2027			
TOTAL	0	0	-

Privately-Owned Non-Residential Structures

Year	Total Number GI/LID Structures	Number Inspected	% Inspected
2022-2023	0	0	-
2023-2024			
2024-2025			
2025-2026			
2026-2027			
TOTAL	0	0	-

4. How many permittee-owned GI/LID structures were maintained during the reporting period? Attach documentation of the activities: *0*

5. Describe any activities performed to ensure publicly-owned by other entities and privately-owned non-residential GI/LID structures were maintained. Provide the summary list of maintenance agreements and documentation of any activities taken to ensure these structures were maintained: *There are no GI/LID structures within the Town of Thunderbolt.*

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: [Click here to enter text.](#)

B. Fiscal Analysis

1. Reporting Period Expenditures

a. What was the funding source(s) for this reporting period's expenditures? *General fund and water and sewer enterprise 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

2. Next Reporting Period's Budget

a. What will be the funding source for the next reporting period's budget? *General fund and water and sewer enterprise 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