

CITY OF GALLATIN

2021-2022 Annual MS4 Report



State of Tennessee General NPDES Permit
Small Municipal Separate Storm Sewer Systems (MS4)
Permit No. TNS077534

Year 6 Annual Report
July 1, 2021 – June 30, 2022



ENGINEERING - STORMWATER
CLEAN WATER | HEALTHY COMMUNITIES

Submitted by
The City of Gallatin Engineering Division
633 Long Hollow Pike, Gallatin, Tennessee 37066



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1. Introduction & Regulatory Background Information



September 2022

NPDES Permit #TNS077534
City of Gallatin, Tennessee MS4 Annual Report
FY 2021-2022

Introduction and Regulatory Background

This Annual Report has been prepared by the City of Gallatin Engineering Division in accordance with the requirements of the National Pollutant Discharge Elimination System (NPDES) General Permit for Discharges of Stormwater from Municipal Separate Storm Sewer Systems (MS4), and the Tennessee Department of Environment and Conservation (TDEC). The City of Gallatin (City) was originally issued General Permit #TNS077534 in 2003, in 2010, and TDEC reissued the City’s current six-year General Permit effective October 1, 2016.

Under the terms of the General Permit, the City has developed an MS4 Program to implement the six minimum control measures aimed at reducing the discharge of pollutants to the “maximum extent practicable” with the intent to protect and improve the water quality in our streams and lakes. The six minimum control measures include:

1. Public Education and Outreach	2. Public Involvement/Participation
3. Illicit Discharge Detection and Elimination	4. Construction Site Stormwater Runoff Pollutant Control
5. Permanent Stormwater Management at New Development and Redevelopment Projects	6. Pollution Prevention/Good Housekeeping for Municipal Operations

This Annual Report summarizes the City’s MS4 activities over the past fiscal year beginning July 1, 2021, and ending June 30, 2022.



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2. 2021-2022 Annual Report Summary



2021-2022 Annual Report Summary

As a river city established in 1802, with approximately 14-miles of Cumberland River/Old Hickory Lake shoreline and 71-miles of streams within the City limits, our heritage and culture are intimately and historically intertwined with water. The City depends on Old Hickory Lake for bolstering our strong economy, supporting local industry, and providing a multitude of recreation and tourism opportunities. Because of this rich history and identity, our Stormwater Program takes pride in working with our community to manage our stormwater resources for cleaner water.

Fiscal Year 2021-2022 has been an active year and the Engineering Division has continued to progress the City's Stormwater Program, particularly in construction plans review, issuing Land Disturbance Permits (LDPs), construction site inspections, the municipal housekeeping aspects of the MS4 permit and most notably, post-construction stormwater control management.

This past year, the Engineering Division reviewed over 1,041 different types and iterations of development plans: from Master Development Plans (MDPs) to construction plans, site plans, stormwater drainage calculations, erosion control plans, traffic studies, as-built plans, as well as preliminary and final plats. For the reporting year ending June 30, 2022, the City oversaw the LDPs for approximately 75 active construction sites.

The City set up a Stormwater Utility (Utility) June of 2018 and Stormwater Fee collections began in January 2019. By state law, this dedicated funding source is solely to be used for the management, maintenance, and rehabilitation of the City's stormwater system.

This Fiscal Year the Stormwater Utility collections totaled \$ 1,943,766.73. Planned stormwater projects were adequately funded however, the Utility did not anticipate the continued challenge of hiring and retaining public works crew employees. Between the booming private construction industry and the COVID-19 pandemic, it continues to be a struggle to employ and maintain one fully staffed public works stormwater crew, much less filling the second budgeted full-time 4-person stormwater crew.

In spite of this challenge, the Public Works stormwater crew was able to complete 138 stormwater projects across the City. We have included the hiring of a second full-time 4-person stormwater crew in this Fiscal Year's stormwater budget and are hopeful that we can fill these positions soon. The majority of the remaining funds have been used for professional services agreements, outfall and stormwater input mapping, watershed studies, and to pay the full salaries for our existing Public Works stormwater crew, our Stormwater Utility Manager, Lance Wagner, Stormwater Coordinator, Kourtney Crutcher, Stormwater Technician, Rick Roark, and Project Manager, Ryan Forte.

The City also continues to work closely with TDEC-Division of Underground Storage Tanks on a long-term clean-up effort to remediate contamination from petroleum along the eastern bank of Town Creek. Please visit this website for more information: <https://www.gallatintn.gov/1934/Town-Creek-Greenway-Project>.



Future Initiatives

This next reporting year we look forward to further advancing the stormwater program and focusing more time, energy, and funding on both Minimum Measure # 3: Illicit Discharge Detection and Elimination and #5 Post-Construction Stormwater Management.

Specifically, we will concentrate on accomplishing the following goals during Permit Year 1 in FY 2022/2023:

- Continue to streamline our construction plan reviews, stormwater/drainage calculations
- Continue to build upon Storm Sewer System Mapping and GIS
- Improve Municipal Facilities Housekeeping Inspections
- Continue to improve tracking and documentation for all Minimum Measures
- Continue to hire staff to fill the Public Works stormwater crews
- Implement a new fee schedule
- Develop/Update the new stormwater ordinance
- Submit NOI for new permit
- Develop and submit a post-construction plan
- Update the stormwater ordinance to reflect changes in the new permit.

For more information on our Stormwater Utility, please visit our webpage:
<https://www.gallatintn.gov/1855/Stormwater-Utility>

FY 2021-2022 Minimum Measures Summary

Below is a summary of accomplishments in FY 2021-2022 per the 6 minimum measures as outlined in our MS4 permit:

a. Minimum Measures #1 & #2: **Public Education, Outreach, Participation & Involvement**

The City of Gallatin strives to maximize and provide ample opportunities for Public Education, Outreach, Participation and Involvement - not just for stormwater management but in all aspects of our City Government.



Public education is a powerful tool to message the vital importance of clean water to everyone in the community. These events listed below are a snapshot of our commitment to spreading the message for the protection of clean water for our future!

City of Gallatin Public Education Best Management Practices

The City has determined the following set of Best Management Practices (BMPs) are the goals that the City will achieve to meet these two Minimum Measure requirements. These are included in the original application for coverage under the MS4 permit. COVID may impact these anticipated activities.

BMP	Name	Description
1A.	Cumberland River Compact's Creek Critters Program	Bringing the outdoor aquatic experience into the classroom for all 4th graders in every elementary school every year.
1B.	Partner with Keep Gallatin Beautiful Committee to Provide Public Education & Public Outreach/Update PIE	Partner with Keep Gallatin Beautiful Committee - This committee is made up of representatives from several City departments, UT-Extension, Police and Fire and citizens schedule and plan and host multiple clean-up events annually; they encourage groups to adopt a stream segment in the City, and partner on developing workshops geared toward homeowners and HOAs such as rain gardens, rain barrels, native plantings etc. Stream & Shoreline Cleanup, Adopt-A-Stream, Workshops). Incorporate these activities into and update PIE annually
1C.	Annual Urban Runoff 5K & Water Quality Festival	Partner with Metro Nashville (and other local MS4s) to facilitate the annual Urban Runoff 5K and Water Quality Festival.
1D.	City Stormwater Web Page	Stormwater webpage is maintained through the Engineering Department, Stormwater Utility webpage and is updated regularly.

Public Education and Participation Events

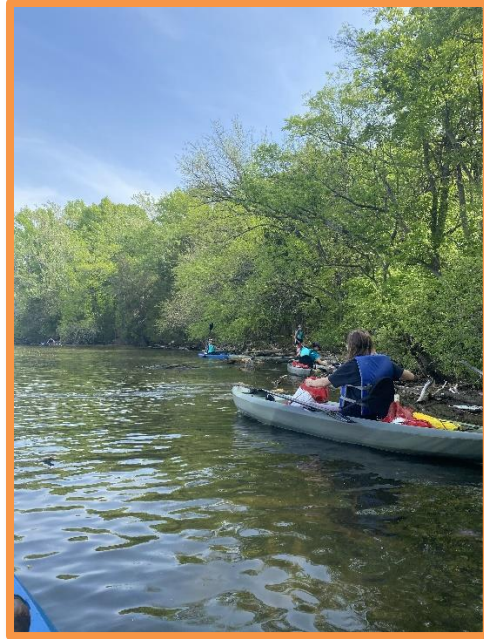
The City of Gallatin Engineering and Public Works Departments work closely together and hosted and/or participated in the following events this past fiscal year:

- Annual Stormwater Program Update to City Council
- Old Hickory Lake lakeshore Clean-Up
- Various Elementary School Career Days in Gallatin
- Stormwater Utility Update Flyer (Attachment #7)
- Community organized Litter Cleanups across town
- Tree Day Distribution Center



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This past year the City hosted one lakeshore clean-up in April 2022! Using kayaks, volunteers picked up litter along the banks and walkers picked up trash along the trails.



We participated in the 8th Annual Urban 5k Runoff at Shelby Bottoms in Nashville.





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The Stormwater Section coordinated with the Gallatin Public Utilities to host a Tree Day pick distribution at the City of Gallatin's Water Treatment Plant. Girl Scout Troop 1879 helped us hand out trees:



The City of Gallatin continued to work with youth through career days and the Creek Critters program.





b. Minimum Measure #3: Illicit Discharge Detection Elimination (IDDE)

The requirement under this Minimum Measure to develop, update and maintain a storm sewer system map has been our priority for this past year. The Engineering Division entered into a professional services agreement with Civil & Environmental Consultants to map out our stormwater infrastructure including all outfalls and all inputs to the system along with directional flow. This contract will serve to both meet this Minimum Measure permit requirement as well as to collect data for compiling a city-wide comprehensive GIS based stormwater inventory. This data capture effort will include performing a condition assessment to allow the City to move towards a more pro-active asset management program that can reduce the long-term maintenance cost of the system and prevent emergency failures.

The Engineering Division developed and regularly utilizes a robust Enforcement Response Plan (ERP). This is located on our website under [Stormwater Documents](#).

We encourage and accept all types of complaints from multiple avenues including directly to our office line (615-451-5965), through email, through social media, and through “[Ask Angela](#)” as provided on our [website](#). We track and document all complaints. Two hundred and fifty four (254) complaints, including 23 illicit discharge complaints, were recorded and addressed this fiscal year. An illicit discharge is defined as a discharge to a stream or stormwater system that is not composed entirely of stormwater runoff.

As part of our Public Information and Education Plan (PIE Plan), we aim to educate municipal employees, businesses and the general public concerning the hazards and damage to water quality created by illicit connections and improper disposal of waste to the storm sewer system.

Town Creek Greenway Project:

Our most notorious illicit discharge at this time is the petroleum seeps down by Town Creek Greenway. The City has been working with the TDEC-Division of Underground Storage Tanks on their ongoing investigation and pending remediation efforts. We have a webpage dedicated to this situation: <https://www.gallatintn.gov/1934/Town-Creek-Greenway-Project> .

In April, the cleanup effort continued with installation of borings for the injection of activated carbon in order to absorb petroleum from the leak. The City thanks TDEC for their sustained efforts on this matter.



Our Best Management Practices for this Minimum Measure include:

BMP	Name	Description
2A.	Continue updating Storm Sewer System Map & Outfall Mapping and Identification	Update maps with new development info, visual stream surveys, additional mapping.
2B.	Education on Illicit Discharges	Continue to educate the public and private businesses and ask them to notify us if they see or suspect an illicit discharge, update our website's stormwater resources on illicit discharges
2C.	Active Inspections	Continue to inspect streams and stormwater systems looking for illicit discharges
2D.	Update SOP for Interagency Coordination	Update a Standard Operating procedure that includes a set of guidelines and procedures for local responders to follow to minimize damaging effects that spill response activities might have on water resources

c. Minimum Measure #4: Construction Site Stormwater Runoff Pollutant Control

The goal of this minimum measure is to continue to develop, implement and enforce a construction site stormwater runoff pollutant control program to address pollutants in stormwater runoff from construction activities that result in a land disturbance of equal to or greater than one acre or less than one acre if part of a larger plan of common development or sale. The program’s primary objective is to prevent sediment and waste generated at active construction sites from entering the stormwater conveyance system.

During this reporting year, our Stormwater Technician, Rick Roark, continued to streamline and improve our land disturbance permit processes and greatly enhanced our construction inspection program by standardizing pre-construction meetings, scheduling monthly construction site inspections, and processing consistent and equitable enforcement according to the City’s [Enforcement Response Plan](#). The City has over 93 active construction sites. This equates to over 1,571 acres - 2.45 square miles of the City is under construction. Please see Attachment #8 for a list of Active Construction Permits.



The BMPs for this Minimum Measure include the following:

BMP	Name	Description
3A.	Stormwater Management Ordinance	Maintain and update as necessary stormwater ordinances to comply with CGP per the MS4 requirement and implement the requirement to resubmit the grading application when significant changes are proposed.
3B.	Update Active Construction Site Inventory	Continually update inventory of actively permitted public and private construction sites and as new projects are permitted and projects are completed.
3C.	Site Plan Review Processes	Review and continually improve the current process for receiving, reviewing and approving plans submitted for new construction and land disturbance activities. Implement preconstruction meetings. Recommend changes as needed.
3D.	Review Inspection Program	Maintain existing inspection program and penalties for violators up to the maximum allowable by law.

d. Minimum Measure #5: Permanent Stormwater Management

Through the plans review process, we require post-construction stormwater control measures (SCMs) to be designed and constructed according to the specifications outlined in the City’s stormwater ordinance for new developments and redevelopment in Gallatin. As-built plans after the SCMs have been installed are also required.

This past year the City has improved the inventory, tracking, and documentation of the annual inspection submittals required by the permit for privately owned permanent post-construction SCMs.

There are currently 143 built-out sites with permanent SCMs and their associated Stormwater Maintenance Agreements in place. Copies of the annual letter and checklist may be found as Attachments #9 & #10.

The BMPs for this Minimum Measure include the following:

BMP	Name	Description
4A.	Plans Review	Review all plans for compliance with the Tennessee Permanent Stormwater Management and Design Guidance Manual or the Nashville LID Manual and LID worksheet
4B.	Update and Maintain Permanent SCM Inventory and Schedule Inspections	Continue updating and maintaining an electronic system to inventory and track status of all public and private SCMs installed in New Development Projects and look at a certain number of these SCMs annually



4C.	Deed Restrictions and Maintenance Plans	Require deed restrictions and maintenance plans be recorded before issuing a grading permit. Require annual inspection reports and every 5 years an inspection by registered P.E. or landscape architect
4D.	Inspect and Enforce Permanent Stormwater Control Measures	Inspect all Permanent Stormwater Control Measures at least once every 5 years and make sure maintenance is being performed or enforcement actions are taken according to Ordinance. Continue enforcing permanent stormwater management requirements per current Ordinance. Review 2016 permit options for adoption.

e. Minimum Measure #6:
Pollution Prevention/Good Housekeeping for Municipal Operations

The City continues to develop and implement an operation and maintenance program that has the ultimate goal of preventing or reducing pollutant runoff from municipal operations. This past Fiscal Year, the Engineering Division updated the Operations & Management Plans for the following municipal facilities:

- Public Works
- Gallatin Public Utilities
- Parks & Recreation

A new employee training booklet was developed this year: STORMWATER 101: Pollution Prevention and Illicit Discharge Protection.

Additionally, in accordance with one of this Minimum Measure’s requirements, the City has evaluated new flood management projects through the current Town Creek Flood Abatement Project that is currently in the design phase. This is a project Floor Risk management project in conjunction with the U.S. Army Corps of Engineers.

The BMPs for this Minimum Measure include the following:

BMP	Name	Description
5A.	Review, Update and Develop O&M Plans	Update Public Works O&M plan and develop O&M Plans for remaining municipal facilities. Review annually
4B.	Conduct Training	Conduct new employee training within 6 months and key personnel training at least once every 5 years to make sure that they understand the SWPPP and reporting requirements.
4C.	Annual Inspection	Conduct at a minimum annual inspections of all municipal facilities and operations



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4D.	Evaluate New Flood Management Projects	Within the permit cycle, consider ways to evaluate new flood management projects and assess the impacts on water quality
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3. Annual Report Form



Tennessee Department of Environment and Conservation
 Division of Water Resources
 William R. Snodgrass Tennessee Tower,
 312 Rosa L. Parks Avenue, 11th Floor, Nashville, Tennessee 37243
 1-888-891-8332 (TDEC)

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

1. MS4 Information

Name of MS4: City of Gallatin		MS4 Permit Number: TNS077534
Contact Person: Kourtney Crutcher, Stormwater Coordinator		Email Address: Kourtney.Crutcher@GallatinTN.gov
Telephone: (251) 622-0067		MS4 Program Web Address: https://www.gallatintn.gov/232/Stormwater
Mailing Address: 132 West Main Street		
City: Gallatin	State: TN	ZIP code: 37066

What is the current population of your MS4? 49,902 per the July 1 2021 Census

What is the reporting period for this annual report? July1 2021 to June 30 2022

2. Discharges to Waterbodies with Unavailable Parameters or Exceptional Tennessee Waters (Section 3.1)

- A. Does your MS4 discharge into waters with unavailable parameters (previously referred to as impaired) for pathogens, nutrients, siltation or other parameters related to stormwater runoff from urbanized areas as listed on TN's most current 303(d) list and/or according to the on-line state GIS mapping tool (tdeconline.tn.gov/dwr/)? If yes, attach a list. Yes No
- B. Are there established and approved TMDLs (<http://www.tn.gov/environment/article/wr-ws-tennessees-total-maximum-daily-load-tmdl-program>) with waste load allocations for MS4 discharges in your jurisdiction? If yes, attach a list. Yes No
- C. Does your MS4 discharge to any Exceptional Tennessee Waters (ETWs - http://environment-online.tn.gov:8080/pls/enf_reports/f?p=9034:34304:4880790061142)? If yes, attach a list. Yes No
- D. Are you implementing specific Best Management Practices (BMPs) to control pollutant discharges to waterbodies with unavailable parameters or ETWs? If yes, describe the specific practices: Not in addition to carrying out permit program requirements. Yes No

3. Public Education/Outreach and Involvement/Participation (Sections 4.2.1 and 4.2.2)

- A. Have you developed a Public Information and Education plan (PIE)? Yes No
- B. Is your public education program targeting specific pollutants and sources, such as Hot Spots? If yes, describe the specific pollutants and/or sources targeted by your public education program: _____ Yes No
- C. Do you have a webpage dedicated to your stormwater program? If yes, provide a link/URL: https://www.gallatintn.gov/232/Stormwater Yes No
- D. Summarize how you advertise and publicize your public education, outreach, involvement and participation opportunities: Events are advertised through social media, and sometimes local media outlets depending on the size of the event. In addition to social media, our public education is also posted on our website, and delivered in the form of flyers and word of mouth at other City events and functions. In January 2022 our annual flyer was mailed out with Gallatin Public Utilities Billing.

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

- E. Summarize the public education, outreach, involvement and participation activities you completed during this reporting period: During this reporting period, the Stormwater Group partnered with the Gallatin Beautification Committee and the Cumberland River Compact to participate and provide public education at a Lake Clean-up event. The Gallatin Adopt a Stream program continued to preform this year as well as partnerships in learning about environmental resources with the Girlscouts of America, the Boyscouts of America and local elementary schools in the area. Stormwater has also met with local HOA's to provide public education and worked with a number of citizens by request to help guide small local stream restoration projects. Additional outreach included the City Hall Display Case, website updates, elementary school career days, and the Annual Urban Runoff 5k.
- F. Summarize any specific successful outcome(s) (e.g., citizen involvement, pollutant reduction, water quality improvement, etc.) fully or partially attributable to your public education and participation program during this reporting period: The stormwater Group partnered with Green Interchange Tree Day this year to plant more than 600 trees in the City of Gallatin. More than 7,600 lbs of trash were collected during litter clean ups this reporting period involving 263 volunteers.

4. Illicit Discharge Detection and Elimination (Section 4.2.3)

- A. Have you developed and do you continue to update a storm sewer system map that shows the location of system outfalls where the municipal storm sewer system discharges into waters of the state or conveyances owned or operated by another MS4? Yes No
- B. If yes, does the map include inputs into the storm sewer collection system, such as the inlets, catch basins, drop structures or other defined contributing points to the sewershed of that outfall, and general direction of stormwater flow? Yes No
- C. How many outfalls have you identified in your storm sewer system? 946
- D. Do you have an ordinance, or other regulatory mechanism, that prohibits non-stormwater discharges into your storm sewer system? Yes No
- E. Have you implemented a plan to detect, identify and eliminate non-stormwater discharges, including illegal disposal, throughout the storm sewer system? If yes, provide a summary: Per 5-year permit cycle: A reconnaissance of the storm sewer system outfalls and potential illicit discharges are conducted every 5 years through a visual stream assessment. We follow up on any unusual dry weather discharges. We also encourage citizens to call or email us with complaints. Now that the Stormwater Utility began in January 2019, we aim to provide a higher level of service for program management and operation and maintenance by expanding upon our existing outfall inventory and performing a city-wide, comprehensive GIS based stormwater inventory. This data capture effort will include performing a condition assessment to allow the City to move towards a more pro-active asset management program that can reduce the long-term maintenance cost of the system and prevent emergency failures. The City also has an Industrial Pretreatment Program. Civil & Environmental Consultants (CEC) is continuing to locate and map out our entire storm sewer system map so we can move towards an asset management program. Yes No
- F. How many illicit discharge related complaints were received this reporting period? 5
- G. How many illicit discharge investigations were performed this reporting period? 7
- H. Of those investigations performed, how many resulted in valid illicit discharges that were addressed and/or eliminated? 5

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

5. Construction Site Stormwater Runoff Pollutant Control (Section 4.2.4)

- A. Do you have an ordinance or other regulatory mechanism requiring:
- Construction site operators to implement appropriate erosion prevention and sediment control BMPs consistent with those described in the TDEC EPSC Handbook? Yes No
- Construction site operators to control wastes such as discarded building materials, concrete truck washout, chemicals, litter, and sanitary waste? Yes No
- Design storm and special conditions for unavailable parameters waters or Exceptional Tennessee Waters consistent with those of the current Tennessee Construction General Permit (TNR100000)? Yes No
- B. Do you have specific procedures for construction site plan (including erosion prevention and sediment BMPs) review and approval? Yes No
- C. Do you have sanctions to enforce compliance? Yes No
- D. Do you hold pre-construction meetings with operators of priority construction activities and inspect priority construction sites at least monthly? Yes No
- E. How many construction sites disturbing at least one acre or greater were active in your jurisdiction this reporting period? 110
- F. How many active priority and non-priority construction sites were inspected this reporting period? Each new site was inspected during Pre-Construction meetings and afterwards at least once monthly and after each significant rainfall event and/or after complaints or deficiencies were found. Often during other types of inspections (such as sidewalk or certificate of occupancy inspections) we performed cursory visual/dashboard inspections while on site. Approximately 1500 inspections annually.
- G. How many construction related complaints were received this reporting period? 16 construction related complaints were recorded in our case log.

6. Permanent Stormwater Management at New Development and Redevelopment Projects (Section 4.2.5)

- A. Do you have a regulatory mechanism (e.g. ordinance) requiring permanent stormwater pollutant removal for development and redevelopment projects? If no, have you submitted an Implementation Plan to the Division? Yes No
 Yes No
- B. Do you have an ordinance or other regulatory mechanism requiring:
- Site plan review and approval of new and re-development projects? Yes No
- A process to ensure stormwater control measures (SCMs) are properly installed and maintained? Yes No

Permanent water quality riparian buffers? If yes, specify requirements: A permanent water quality buffer zone (setback measured from the top of water body bank) shall be required along all wetlands, streams, and sinkholes as defined in this ordinance, for new development and redevelopment projects as outlined below:

(a) Drainage areas less than 1 square mile: Minimum of 30' width

(b) Drainage areas greater than 1 square mile: Minimum of 60' width. The 60' width can be established on an average width basis at a project, as long as the minimum width of the buffer zone is more than 30' at any measured location

(c) For redevelopment projects that have existing encroachments into the prescribed buffer, the portion of the existing encroachment that contains a footprint within the buffer is exempt, if no modification to the existing use of the encroachment is to occur and does not violate the objectives of Article 4 (2). If modification to the existing use of the encroachment is to occur, buffer widths outlined above shall apply.

Yes

No

(d) If existing encroachment is to remain in use, the encroachment amount shall be factored into the average buffer width in determining the buffer width.

(e) Work within the Water Quality Buffer is allowable for the following types of work:

(i) Work covered and approved by an ARAP or CGP permit approved by TDEC.

(ii) Construction/maintenance of greenways and parks.

(f) Any alternative stormwater management measure requested in lieu of the water quality buffer requirements shall be presented to the Gallatin Stormwater Design Appeals Board as outlined in Article 4 (3) for their decision

- C. What is the threshold for development and redevelopment project plans plan review (e.g., all projects, projects disturbing greater than one acre, etc.)? Any project that requires Planning Commission approval, and/or requires a TDEC CGP NOC or ARAP and/or is adjacent to a stream with unavailable parameters, and/or is a risk to water quality or public health or environment, and/or there are violations of sediment and erosion control rules or sediment discharges.
- D. How many development and redevelopment project plans were reviewed for this reporting period? 76
- E. How many development and redevelopment project plans were approved? 75
- F. How many permanent stormwater related complaints were received this reporting period? 3
- G. How many enforcement actions were taken to address improper installation or maintenance? 6
- H. Do you have a system to inventory and track the status of all public and private SCMs installed on development and redevelopment projects? Yes No

- I. Does your program include an off-site stormwater mitigation or payment into public stormwater fund? If yes, specify. The City's Ordinance allows for this option but it has not yet been implemented: Runoff Reduction Performance Criteria Alternative Options For projects that cannot meet 100% of the runoff reduction requirement, unless subject to the incentive standards, alternative stormwater management measures shall be obtained as outlined in Article 4. For consideration of alternative, the following options are available: (a) The remainder of the stipulated amount of rainfall must be treated prior to discharge with a technology documented to remove 80% total suspended solids (TSS). The treatment technology must be designed, installed and maintained to continue to meet this performance standard. (b) The Runoff reduction measures are installed off-site within the same USGS 12-digit hydrologic unit code (HUC) as the original project. Off-site mitigation must be a minimum of 1.5 times the amount of water not managed on site. The off-site mitigation location and runoff reduction measures must be approved by the Engineering Division. The mitigation location shall be in a priority area identified by the Engineering Division. Mitigation can be used for retrofit or redevelopment projects, but should be avoided in areas of new development. (c) For projects that cannot meet the 100% runoff reduction, 80% TSS, and cannot provide for off-site mitigation, the applicant can make payment into the City's Stormwater Management Fund. Payment must be a minimum of 1.5 times the estimated cost of on-site runoff reduction controls as estimated by the Engineering Division
- Yes No

7. Stormwater Management for Municipal Operations (Section 4.2.6)

- A. As applicable, have stormwater related operation and maintenance plans that include information related to maintenance activities, schedules and the proper disposal of waste from structural and non-structural stormwater controls been developed and implemented at the following municipal operations:
- | | | |
|--|---|--|
| Streets, roads, highways? | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |
| Municipal parking lots? | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |
| Maintenance and storage yards? | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |
| Fleet or maintenance shops with outdoor storage areas? | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |
| Salt and storage locations? | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |
| Snow disposal areas? | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |
| Waste disposal, storage, and transfer stations? | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |
- B. Do you have a training program for employees responsible for municipal operations at facilities within the jurisdiction that handle, generate and/or store materials which constitute a potential pollutant of concern for MS4s?
- Yes No
- If yes, are new applicable employees trained within six months, and existing applicable employees trained and/or retrained within the permit term?
- Yes No

8. Reviewing and Updating Stormwater Management Programs (Section 4.4)

- A. Describe any revisions to your program implemented during this reporting period including but not limited to:

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Modifications or replacement of an ineffective activity/control measure. 0

Changes to the program as required by the division to satisfy permit requirements. NA

Information (e.g. additional acreage, outfalls, BMPs) on newly annexed areas and any resulting updates to your program. _____

- B. In preparation for this annual report, have you performed an overall assessment of your stormwater management program effectiveness? If yes, summarize the assessment results, and any modifications and improvements scheduled to be implemented in the next reporting period. In preparation for the report, we have reviewed the overall effectiveness of the program. We discovered that we are in need of a defined public stormwater sewer system. This will allow an avenue for asset management to develop into a full functioning program. Due to the upcoming new permit effective on September 1, 2022, we will also be implementing a new post construction plan, updating our stormwater ordinance and updating our Stormwater Management Plan. Yes No

9. Enforcement Response Plan (Section 4.5)

- A. Have you implemented an enforcement response plan that includes progressive enforcement actions to address non-compliance, and allows the maximum penalties specified in TCA 68-221-1106? If no, explain. _____ Yes No

- B. As applicable, identify which of the following types of enforcement actions (or their equivalent) were used during this reporting period; indicate the number of actions, the minimum measure (e.g., construction, illicit discharge, permanent stormwater management), and note those for which you do not have authority:

<u>Action</u>	<u>Construction</u>	<u>Permanent Stormwater</u>	<u>Illicit Discharge</u>	<u>In Your ERP?</u>	
Verbal warnings	<u>#~500</u>	<u>#2</u>	<u>#0</u>	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Written notices	<u>#29+</u>	<u>#1</u>	<u>#2</u>	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Citations with administrative penalties	<u>#0</u>	<u>#0</u>	<u>#0</u>	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Stop work orders	<u>#6</u>	<u>#0</u>	<u>#0</u>	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Withholding of plan approvals or other authorizations	<u>#0</u>	<u>#0</u>	<u>#0</u>	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Additional Measures	<u>#0</u>	<u>#0</u>	<u>#0</u>	Describe: _____	

- C. Do you track instances of non-compliance and related enforcement documentation? Yes No

- D. What were the most common types of non-compliance instances documented during this reporting period? Inadequate ESPC maintenance was the most common type of non-compliance this reporting period. This includes but is not limited to sweeping streets, silt fence maintenance and stabilization practices.

10. Monitoring, Recordkeeping and reporting (Section 5)

- A. Summarize any analytical monitoring activities (e.g., planning, collection, evaluation of results) performed during this reporting period. No analytical reporting activities were conducted during this reporting period.
- B. Summarize any non-analytical monitoring activities (e.g., planning, collection, evaluation of results) performed during this reporting period. Non-analytical monitoring activities were not performed during this reporting period.

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

This report must be signed by a ranking elected official or by a duly authorized representative of that person. See signatory requirements in sub-part 6.7.2 of the permit.

"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."

Paige Brown, Mayor
 Printed Name and Title


 Signature

9/7/2022
 Date

Annual reports must be submitted by September 30 of each calendar year (Section 5.4) to the appropriate Environmental Field Office (EFO), identified in the table below:

EFO	Street Address	City	Zip Code	Telephone
Chattanooga	1301 Riverfront Pkwy, Suite 206	Chattanooga	37402	(423) 634-5745
Columbia	1421 Hampshire Pike	Columbia	38401	(931) 380-3371
Cookeville	1221 South Willow Ave.	Cookeville	38506	(931) 520-6688
Jackson	1625 Hollywood Drive	Jackson	38305	(731) 512-1300
Johnson City	2305 Silverdale Road	Johnson City	37601	(423) 854-5400
Knoxville	3711 Middlebrook Pike	Knoxville	37921	(865) 594-6035
Memphis	8383 Wolf Lake Drive	Bartlett	38133	(901) 371-3000
Nashville	711 R S Gass Boulevard	Nashville	37216	(615) 687-7000



ENGINEERING DIVISION
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4. List of Waterbodies with Unavailable Parameters

FINAL VERSION 2020 - 303(D) LIST

OLD HICKORY WATERSHED

THIS BASIN CONTAINS THE FOLLOWING USGS HYDROLOGIC UNIT CODES: 05130201 (OLD HICKORY LAKE)

WATER BODY ID	WATER NAME	COUNTY	WATER TYPE	WATER SIZE	CAUSE NAME	TMDL PRIORITY	POTENTIAL SOURCE NAME
TN05130201001T_0100	RANKIN BRANCH	SUMNER	RIVER	3.3	ESCHERICHIA COLI (E. COLI); PHOSPHORUS, TOTAL; ALTERATION IN STREAM-SIDE OR LITTORAL VEGETATIVE	LOW	GRAZING IN RIPARIAN SHORELINE ZONES; CHANNELLIZATION; MUNICIPAL (URBANIZED HIGH DENSITY AREA)
TN05130201001T_0200	TOWN CREEK	SUMNER	RIVER	12.1	SEDIMENTATION/SILTATION; OTHER ANTHROPOGENIC SUBSTRATE ALTERATIONS; PHOSPHORUS, TOTAL	LOW	CHANNEL EROSION/INCISION FROM UPSTREAM HYDROMODIFICATIONS; MUNICIPAL (URBANIZED HIGH DENSITY AREA)
TN05130201001T_0400	UNAMED TRIB TO OLD HICKORY RESEVOIR	SUMNER	RIVER	2057	NURTIENTS	LOW	MUNICIPAL (URBANIZED HIGH DENSITY AREA)



ENGINEERING - STORMWATER
CLEAN WATER | HEALTHY COMMUNITIES



ENGINEERING DIVISION
BUILDING A BETTER TOMORROW

5. Exceptional Tennessee Waters in the City of Gallatin

Exceptional Waters within the City of Gallatin

HUC	Watershed Name	Waterbody	County	Description	Basis for Inclusion	From Lat	To Lat	From Long	To Long	Inclusion Date
5130201	Cumberland-Old Hickory Lake	Deshea Creek Unnamed Tributary	Sumner	Unnamed tributary from confluence with Deshea Creek to origin.	State endangered streamside salamander <i>Ambystoma barbouri</i>	36.446575	36.4547	-86.409019	-86.420863	FEB-13-2019
5130201	Cumberland-Old Hickory Lake	Station Camp Creek unnamed tributaries	Sumner	Unnamed tributary from Station Camp Creek to origin including tributaries.	State endangered streamside salamander <i>Ambystoma barbouri</i>	36.3834	36.393595	-86.552032	-86.545097	FEB-13-2019
5130201	Cumberland-Old Hickory Lake	Unnamed Tributary to East Camp Creek Embayment Old Hickory Lake	Sumner	Unnamed tributary from East Camp Creek embayment to origin.	State endangered streamside salamander <i>Ambystoma barbouri</i>	36.336668	36.338915	-86.472972	86.465977	FEB-13-2019
5130201	Cumberland-Old Hickory Lake	Town Creek Unnamed Tributary	Sumner	Unnamed tributary from Town Creek to origin including unnamed tributaries.	State endangered streamside salamander <i>Ambystoma barbouri</i> .	36.406995	36.41183	-86.425182	-86.408702	FEB-13-2019
5130201	Cumberland-Old Hickory Lake	Station Camp Creek embayment to Old Hickory Lake Unnamed Tributary	Sumner	Unnamed tributary from Station Camp Creek embayment of Old Hickory Lake to origin including tributaries.	State endangered streamside salamander <i>Ambystoma barbouri</i>	36.350167	36.370039	-86.509865	-86.517847	FEB-13-2019
5130201	Cumberland-Old Hickory Lake	Old Hickory Reservoir Unnamed Tributary	Sumner	Unnamed tributary from Old Hickory Reservoir to origin including tributaries.	State endangered streamside salamander <i>Ambystoma barbouri</i>	36.315724	36.336262	-86.576696	-86.5628	FEB-14-2019
5130201	Cumberland-Old Hickory Lake	Rankin Branch and unnamed tributaries	Sumner	Rankin Branch from LA Green Lake to origin including unnamed tributaries.	State endangered streamside salamander <i>Ambystoma barbouri</i>	36.353368	36.37932	-86.495296	-86.530573	FEB-14-2019
5130201	Cumberland-Old Hickory Lake	Station Camp Creek Unnamed Tributary	Sumner	Unnamed tributary from Station Camp Creek to origin.	State endangered streamside salamander <i>Ambystoma barbouri</i>	36.355043	36.338036	-86.541255	-86.556146	FEB-14-2019
5130201	Cumberland-Old Hickory Lake	East Camp Creek Unnamed Tributaries	Sumner	Unnamed tributary from East Camp Creek at River Mile 5 to origin including unnamed tributary.	State endangered streamside salamander <i>Ambystoma barbouri</i>	36.387333	36.417315	-86.481734	-86.495724	FEB-14-2019
5130201	Cumberland-Old Hickory Lake	Liberty Branch Unnamed Tributary	Sumner	Unnamed tributary from confluence with Liberty Branch to origin (this is not a blue line stream on topo).	State endangered streamside salamander <i>Ambystoma barbouri</i>	36.3827047	36.3773398	-86.5012635	-86.5045793	FEB-14-2019
5130201	Cumberland-Old Hickory Lake	East Camp Creek Unnamed Tributary	Sumner	Unnamed tributary from confluence with East Camp Creek to origin.	State endangered streamside salamander <i>Ambystoma barbouri</i>	36.441901	36.45429	-86.439551	-86.428222	FEB-14-2019
5130201	Cumberland-Old Hickory Lake	Station Camp Creek Unnamed Tributary	Sumner	Unnamed tributary from Station Camp Creek at Cages Bend Road to origin.	State endangered streamside salamander <i>Ambystoma barbouri</i>	36.34635	36.334596	-85.524781	-86.53109	FEB-14-2019
5130201	Cumberland-Old Hickory Lake	Liberty Branch Unnamed Tributary	Sumner	Unnamed tributary from confluence with unnamed tributary of Liberty Branch to origin.	State endangered streamside salamander <i>Ambystoma barbouri</i>	36.409162	-86.52313	-86.52313	-86.542786	FEB-14-2019
5130201	Cumberland-Old Hickory Lake	Station Camp Creek Unnamed Tributary	Sumner	Unnamed tributary from confluence with Station Camp Creek at Saundersville Road to origin.	State endangered streamside salamander <i>Ambystoma barbouri</i>	36.362459	36.354959	-86.551356	-86.564874	FEB-14-2019
5130201	Cumberland-Old Hickory Lake	Station Camp Creek Unnamed Tributary	Sumner	Unnamed tributary from confluence with Station Camp Creek to origin including tributaries.	State endangered streamside salamander <i>Ambystoma barbouri</i>	36.36547	36.358593	-86.552653	-86.570935	FEB-14-2019



ENGINEERING DIVISION
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6. List of Public Education/Outreach Events



2020-2021 List of Public Education/Outreach Events

Event	Date	Location	Comments
8 th Annual Urban Runoff 5k Event	8/11/2022	City Hall	250+ racers and more than 40 vendors attended
Starbucks Clean-up	9/9/2021	Caldwell Park	Starbucks business preformed a cleanup at Caldwell Park.
Creek Critters	9/28/21	Howard Elementary School	In conjunction with the Cumberland River Compact, Creek Critters is an interactive, environmental education program for youth.
Pawpalooza Pet Festival	1/7/21	Triple Creek Park	Several hundred attendees, distributed info on pet clean up and stormwater pollution and giveaways.
October Stream Cleanup	9/2/21	Station Camp Greenway	Girl Scouts at Station Camp Greenway (690 lbs) and United Methodist Church
January 2022 Stormwater Insert	January 1, 2022	Sent to every Residence	See Attachment #7.
Station Camp Career Day	March 3, 2022	Station Camp Elementary	Presented watershed model and demonstration to 3 rd -5 th grade students on Career Day.
Tree Day – pick up location	April 24, 2022	City of Gallatin Water Treatment Plant	Girl Scout Troop 1879 assisted GPU and Engineering/Stormwater to distribute 600 plus tree seedlings.
Spring Lake Clean-up	April 30, 2022	Lock 4 Park	Collected trash around the lake by foot and kayak in partnership with Gallatin Beautification Committee and the Cumberland River Compact.



ENGINEERING DIVISION
BUILDING A BETTER TOMORROW

7. 2022 Stormwater Utility Update Flyer

2021-2022 STORMWATER NEWSLETTER



ENGINEERING - STORMWATER
CLEAN WATER | HEALTHY COMMUNITIES

Tip #1: Leave no traces in outdoor spaces



Whether your holiday plans involved outdoor family time or enjoying festive lights from your car, these tips can help you make the best of the season while keeping our waterways healthy:

Trash and Pet Waste –

Many holiday gatherings took place outdoors this year. But if trash or pet waste enter our waterways, they can create water flow problems and contaminate aquatic habitats. While you are out and about soaking in the holiday scenery, make sure to properly dispose of trash and pet waste in a covered trash bin with a secure lid.

Automobile Fluids and Cleaning Detergents –

There are many opportunities for drive-in and drive-through holiday activities, so it's a good idea to keep your vehicle clean and in working order. If engine oil or phosphorous from detergents enter our waterways, aquatic animals and plants can be negatively affected. Check for and repair leaks and clean up spills immediately using absorbents (like kitty litter). Take your vehicle to a commercial car wash where wash water is captured and treated at a local wastewater treatment plant. Alternatively, wash your car over permeable surfaces like your lawn to help water infiltrate instead of running off your property.

Please visit our website

www.gallatintn.gov/1855/Stormwater-Utility for information on multiple stormwater topics including Stormwater Utility Fee; Flood Safety, Stormwater Maintenance and Drainage Policies; Stormwater Management Plan, our outreach events and volunteer opportunities, and ways you can help keep our waters clean.



Tip #2: Recycling and Reusing: The gift to our waterways that keeps on giving



Your actions to reduce and properly dispose waste this past holiday season can help our waterways both today and tomorrow!

Recycling Do's and Don'ts—

Many holiday items are lightweight and can easily blow into our storm drains if not disposed of properly. The following is a quick guide, but always check with your local trash hauler for the most up-to-date information.

Do Recycle:

- Cardboard
- Paper boxes (gift, shoe and shipping)
- Wrapping paper (non-metallic)
- Holiday cards and envelopes (without embellishments)
- Gift bags (paper)

Don't Recycle – Reuse or Dispose:

- Bubble wrap (consider reusing or return to the grocery store for recycling)
- Embellished or metallic wrapping paper (consider reusing)
- Tissue paper (consider reusing)
- Ribbon and bows (consider reusing)
- Sticky gift labels
- Gift bags (if coated, laminated, dyed)
- Foam packing peanuts
- Cellophane



ENGINEERING DIVISION
BUILDING A BETTER TOMORROW

8. List of Active Construction Sites

Project Name	Energov Reference Number	Acres	FEB Inspect date	MAR Inspect date	APR Inspect date	MAY Inspect date	JUNE Inspect date	JULY Inspect date	Comments
218 Commerce Way, Gregory Whse	ELDP-2022-0153	5.79				5/20/2022	6/28/2022		convert to ELDP-2022-0153
219 Commerce Way, Gregory Whse	ELDP-2022-0172	5.79							
586 Hill Street	ELDP-2021-0133		3/2/2022	3/2/2022	4/20/2022	5/19/2022	6/23/2022		
7-Eleven Windsong Maharris Drive	ELDP-2022-0159	1.8				5/19/2022	7/5/2022		
7-Eleven McCAINS Station	ELDP-2022-0165						6/24/2022		pre-con inspection
1094 Albatross Way	ELDP-2022-0152	0.4		3/24/2022					pre-con inspectionj
Aintree Phase 1	ELDP-2020-0030	15.86	2/24/2022	3/21/2022	4/19/2022	5/19/2022	6/23/2022		
Aintree Phase 2	ELDP-2022-0147	12.89				5/31/2022	6/23/2022		
Axem phase 2	ELDP-2021-0111	5.79	3/2/2022	3/28/2022	4/28/2022	5/26/2022		7/14/2022	
Bakers Crossing	LLDP-2019-0068	8.15	2/16/2022	3/16/2022	4/13/2022	5/11/2022	6/17/2022	7/19/2022	
Bella Vista	ELDP-2021-0110	13.76	2/14/2022	3/14/2022	4/11/2022	5/9/2022	6/14/2022	7/15/2022	
Big Station Camp Strip Mall	ELDP-2021-0125	1.52	2/14/2022	3/15/2022	4/12/2022	5/9/2022	6/15/2022	7/22/2022	
Blessings Estates	LLDP-2019-0154	6.68		3/25/2022	4/20/2022	5/23/2022	6/24/2022		
Blue Grass Veterinarian	ELDP-2020-0041	1.24							
Carellton Phase 4 & 5	LLDP-2019-0028	49.87	2/10/2022	3/10/2022	4/6/2022	5/3/2022	6/6/2022	7/8/2022	
Carellton Phase 6	ELDP-2020-0065	14.66	2/10/2022	3/10/2022	4/6/2022	5/3/2022	6/6/2022	7/8/2022	
Carellton Phase 7	ELDP-2020-0064	15.7	2/10/2022	3/10/2022	4/6/2022	5/3/2022	6/6/2022	7/11/2022	
Carellton Phase 8	ELDP-2022-0156	32.01				5/20/2022	6/6/2022	7/11/2022	
Chandler Apartments Phase I & II	LLDP-2019-0054	32.39	2/28/2022	3/24/2022		5/20/2022	6/27/2022		
Cumberland Landing	ELDP-2022-0160	28							pre-con inspection
Cumberland Point	ELDP-2020-0031	12.35	2/11/2022	3/14/2022	4/6/2022	5/5/2022	6/8/2022	7/13/2022	
Dutch Bros- Westgate Drive	ELDP-2021-0137	0.85	2/7/2022	3/14/2022	4/7/2022	5/2/2022	6/9/2022	7/14/2022	
Enoch Hills - Section 1 & 2, Phase 1	LLDP-2019-0137	24.85	2/15/2022	3/18/2022	4/14/2022	5/12/2022	6/15/2022	7/19/2022	
Enoch Hills - Section 2, Phase 2	ELDP-2019-0003	14.3	2/15/2022	3/18/2022	4/14/2022	5/12/2022	6/15/2022	7/19/2022	
Facebook WOOLHAWK	ELDP-2020-0057	225		3/30/2022		5/5/2022	6/10/2022		
Fairway Farms - Ditch berm 160 LF	ELDP-2021-0093								
Filtrex Holdings LLC	ELDP-2021-0145		3/4/2022	3/4/2022	4/18/2022	5/20/2022	6/28/2022		
First Baptist Church parking lot									Final Inspection???
Flow Equalization Facility	ELDP-2020-0077	6.49	3/4/2022	3/29/2022			6/29/2022		
Fowler Addition (Boise Cascade)	ELDP-2020-0075	15		3/16/2022	4/7/2022	5/5/2022	6/9/2022		final stormwater ins
Foxland Crossing 12-B	LLDP-2019-0030	11.78	2/8/2022	3/11/2022	4/4/2022	5/2/2022	6/7/2022	7/11/2022	
Foxland Crossing 14	LLDP-2019-0029	7.74	2/8/2022	3/11/2022	4/4/2022	5/2/2022	6/7/2022	7/11/2022	
Foxland Mass Grading	ELDP-2021-0092	5.6	2/11/2022	3/11/2022	4/4/2022	5/2/2022	6/7/2022	7/14/2022	
Gallatin Marina Parking lot	ELDP-2021-0124		2/23/2022	3/23/2022	4/18/2022	5/20/2022	complete		
Gallatin Police Training (Guns &	ELDP-2021-0116		2/16/2022	3/17/2022	4/14/2022	5/10/2022	6/14/2022	7/15/2022	
Gateway Ext- GPU)- Sewer F Main	ELDP-2021-0095	4	2/16/2022	3/18/2022		5/10/2022	6/14/2022	7/22/2022	
Gateway Road ext - Rogers Group	ELDP-2021-0099	15.85	2/16/2022	3/18/2022	4/14/2022	5/10/2022	6/14/2022	7/15/2022	NOT terminated 7-11-22
Goodview Commons	ELDP-2021-0136	3.95	2/11/2022	3/11/2022	4/8/2022	5/4/2022	6/8/2022	7/14/2022	
Habitat for Humanity	ELDP-2021-0107		2/16/2022	3/16/2022		5/13/2022	6/14/2022	7/20/2022	
HWY 55 Diner	ELDP-2022-0148	1.15	2/7/2022	3/14/2022	4/7/2022	5/2/2022	6/9/2022	7/14/2022	
Holleman W H site 579 Airport Rd									Topsail PILE?
Hunt Club Med Spa	ELDP-2020-0078		2/7/2022	3/11/2022	4/4/2022	5/2/2022	6/6/2022	7/11/2022	
Hunters Pointe (The Trails)	LLDP-2019-0001	22.79	2/25/2022	3/23/2022	4/19/2022	5/24/2022	6/27/2022		
Hunters Pointe Lot 3 & 4	ELDP-2020-0046	22.79	2/25/2022	3/23/2022	4/19/2022	5/24/2022	6/27/2022		
Kennesaw Farms Phase 4 & 5	LLDP-2020-0158	23	2/10/2022	3/9/2022	4/8/2022	5/4/2022	6/8/2022	7/7/2022	
Kennesaw Office park building 3	ELDP-2021-0106		2/12/2022	3/9/2022	4/4/2022	5/4/2022	6/8/2022	7/7/2022	
Kennesaw Phase 6.2	ELDP-2019-0017	24.2	2/10/2022	3/9/2022	4/8/2022	5/4/2022	6/8/2022	7/7/2022	
Kennesaw Phase 6.3	ELDP-2021-0121		2/10/2022	3/9/2022	4/8/2022	5/4/2022	6/8/2022	7/7/2022	
Kennesaw Phase 7	ELDP-2020-0033	18.9	2/10/2022	3/9/2022	4/4/2022	5/3/2022	6/8/2022	7/7/2022	
Kensington Downs Phase 1	LLDP-2019-0151	14	2/15/2022	3/16/2022	4/14/2022	5/13/2022	6/14/2022	7/20/2022	
Kensington Downs Phase 2	ELDP-2020-0038	18	2/15/2022	3/16/2022	4/14/2022	5/13/2022	6/14/2022	7/20/2022	
Kensington ROW	ELDP-2019-0019	5.3	2/15/2022	3/16/2022	4/14/2022	5/13/2022	6/14/2022	7/20/2022	
Langford Farms	ELDP-2020-0047	64.37	3/2/2022	3/30/2022	4/26/2022	5/25/2022	7/5/2022		
Liberty Creek	LLDP-2019-0027	10.1		3/30/2022	4/26/2022	5/25/2022	7/6/2022		AS_BUILTS?
LongLeaf NAR Steel	ELDP-2020-0084	1.19	2/15/2022	3/17/2022	4/13/2022	5/12/2022	6/14/2022	7/21/2022	
Mariner's Cove	LLDP-2019-0047	9.63		3/23/2022	4/18/2022	5/20/2022	6/27/2022		
McCains Commercial	ELDP-2020-0073	64.61	2/15/2022	3/17/2022	4/13/2022	5/11/2022	6/14/2022	7/21/2022	
McCains Commercial phase 2	ELDP-2022-0154	15					6/14/2022	7/21/2022	Pre con inspection
McCains Station Residential	ELDP-2020-0074	32.17	2/15/2022	3/17/2022	4/13/2022	5/11/2022	6/14/2022	7/21/2022	
McCains Station Residentia PH 2									
McCains Station, The RESIDENCES	ELDP-2021-0140	12.98	2/2/2022	3/17/2022	4/13/2022	5/11/2022	6/14/2022	7/22/2022	
Meadow Glen /Fairway Farms Sec 1	LLDP-2019-0025	57.57	2/25/2022	3/24/2022	4/22/2022	5/23/2022	6/23/2022		
Meadow Glen /Fairway Farms Sec 2	LLDP-2019-0145	57.57	2/25/2022	3/24/2022	4/22/2022	5/23/2022	6/23/2022		
Meadow Glen/Fair FarmSec 3 & 4	ELDP-2020-0049	38.27	2/25/2022	3/24/2022	4/22/2022	5/23/2022	6/23/2022		
Newman's Crossing Phase 1 & 2A	ELDP-2020-0024	16	2/14/2022	3/15/2022	4/12/2022	5/9/2022	6/15/2022	7/20/2022	
Newman's Crossing Phase2B	ELDP-2020-0058	15	2/14/2022	3/15/2022	4/12/2022	5/9/2022	6/15/2022	7/20/2022	
Nexus (North side)	ELDP-2021-0128	48	2/14/2022	3/15/2022	4/20/2022	5/13/2022	6/14/2022	7/22/2022	

Nexus (North side)									
Nexus (South side) Mass Grading	ELDP-2021-0129	48	2/14/2022	3/15/2022	4/20/2022	5/11/2022	6/14/2022	7/22/2022	
Nichols Place	ELDP-2020-0088	7.55	2/23/2022	3/22/2022	4/18/2022	5/23/2022	6/27/2022		
Noble Park Townhomes	ELDP-2021-0090	2.6	2/23/2022	3/25/2022	4/18/2022	5/23/2022	6/27/2022		
Oxford Station Phase 2 & 3	ELDP-2020-0056	8.12	2/18/2022	3/16/2022	4/13/2022	5/13/2022	6/14/2022	7/22/2022	
Paddock at Kennesaw Borrow Pit	ELDP-2020-0086	12.7							Pre con inspection
Paddock at K S Phase 1A 2A 3A 4A	ELDP-2021-0097	27.8	2/10/2022	3/11/2022	4/8/2022	5/3/2022	6/8/2022	7/7/2022	
Patriot Angels	ELDP-2020-0061	4.95	3/1/2022		4/28/2022	5/25/2022	7/6/2022		FAILED IN JUNE
Patterson Farms Phase 1	LLDP-2019-0064		3/4/2022	3/29/2022	4/27/2022	5/24/2022	6/29/2022		
Patterson Farms Phase 2 & 3	LLDP-2019-0032	58	3/4/2022	3/29/2022	4/27/2022	5/24/2022	6/29/2022		
Preston Park	LLDP-2019-0045	19.5	2/16/2022	3/16/2022	4/13/2022	5/11/2022	6/17/2022	7/19/2022	
Gardens at Preston Park	ELDP-2021-0143		2/16/2022	3/16/2022	4/13/2022	5/11/2022	6/17/2022	7/19/2022	
Race Trac @ Nichols Lane	ELDP-2020-0089		2/22/2022	3/22/2022	4/18/2022	5/23/2022	6/27/2022		
Red River Duplex Housing Auth									pre con inspection
Red River Townhomes	ELDP-2022-0161	8.28						7/15/2022	pre con inspection
Revery Point - Foxland Phase 2.4	ELDP-2020-0040	4		3/21/2022	4/19/2022	5/19/2022	6/23/2022		
Savannah Mkt, LLC Infrastructure	ELDP-2020-0026	26.2	2/8/2022	3/11/2022	4/4/2022	5/2/2022	6/6/2022	7/12/2022	
Savannah Shell Off (Daycare Lot 6)	ELDP-2020-0066	1.34	2/8/2022	3/11/2022	4/4/2022	5/2/2022	6/6/2022	7/12/2022	
Shoppes of Payne, phase 2 GBT	ELDP-2021-0103		2/18/2022	3/21/2022	4/14/2022	5/11/2022	6/17/2022	7/22/2022	
Sumner Co Air Expa 1475 Airport Rd	ELDP-2019-0005	9.83	3/4/2022	3/31/2022	4/28/2022	5/25/2022	6/30/2022		
Sumner County Courthouse	ELDP-2021-0101			3/25/2022	4/27/2022	5/24/2022	6/28/2022		
The Knoll	LLDP-2019-0018	29.4	2/11/2022	3/14/2022	4/7/2022	5/5/2022	6/10/2022	7/14/2022	
The Reserve - Camb Phases 3 & 4	LLDP-2019-0022	49.4	3/2/2022	3/29/2022	4/28/2022	5/25/2022	7/6/2022		
The Reserve - Cambridge Phases 2	LLDP-2019-0072		3/2/2022	3/29/2022	4/28/2022	5/25/2022	7/6/2022		
Thorne Lake Fill Site		6.4							pre con inspection
Tennessee Grasslands Golf Facility	ELDP-2021-0127		3/3/2022	3/30/2022	4/28/2022	5/25/2022	6/30/2022		
Tompkins Farm	ELDP-2020-0070	9	2/16/2022	3/14/2022	4/13/2022	5/10/2022	6/14/2022	7/19/2022	
Toyota of Gallatin Expansion	ELDP-2021-0098	2		3/23/2022	4/21/2022	5/19/2022	6/23/2022		
Tulip Poplar Mini-Storage	ELDP-2021-0142	3.38	3/1/2022	3/1/2022	4/7/2022	5/4/2022	6/10/2022		
Twice Daily (old ELDP-2020-0080)	ELDP-2021-0134	2	2/7/2022	3/2/2022	4/21/2022	5/20/2022	6/24/2022		
Twin Eagles Phase 14 Section A & B	LLDP-2019-0150	19.65	2/9/2022	3/14/2022	4/6/2022	5/5/2022	6/8/2022	7/13/2022	
Twin Eagles Phase 15A	ELDP-2022-0163	15.18					6/8/2022	7/13/2022	
Value & Variety	ELDP-2021-0120		3/2/2022	3/28/2022	4/28/2022	5/25/2022	6/30/2022		
Villas on the Green	LLDP-2019-0020	14.16	2/25/2022	3/22/2022	4/21/2022	5/19/2022	6/23/2022		
Vinewood Townhomes	ELDP-2022-0151	7.18				5/20/2022	6/30/2022		
Vineyard	ELDP-2021-0117	8.38	2/25/2022	3/22/2022	4/21/2022	5/19/2022	6/28/2022		
Wash N Roll Maharris Drive	ELDP-2021-0139	1.19		3/29/2022	4/26/2022	5/25/2022	7/5/2022		
Westfield	ELDP-2020-0054	35.56	2/25/2022	3/22/2022	4/22/2022	5/19/2022	6/28/2022		
Westfield Fill Site	ELDP-2020-0044	26.28	2/25/2022	3/22/2022	4/22/2022	5/19/2022	6/28/2022		
Windsong	ELDP-2020-0037	71.6	3/1/2022	3/29/2022	4/26/2022	5/27/2022	7/5/2022		
Windsong commercial	ELDP-2020-0028	33.05	3/1/2022	3/29/2022	4/26/2022	5/27/2022	7/5/2022		



ENGINEERING DIVISION
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9. Private (Post Construction) Stormwater Facilities Inspection and Maintenance Requirement Letter



January 2021

Re: **Stormwater Management Facilities Annual Maintenance and Inspection Reports**

To Owners of Private Stormwater Management Facilities:

This is a cordial reminder that your annual Stormwater Inspection Report for your private stormwater facilities is **due by February 2021**.

Private facilities on your property may include one or more of the following: bioretention ponds, detention ponds, grassy swales, level spreaders, underground filter treatment systems, underground detention, hydrodynamic separators, constructed wetlands, permeable pavers, or other stormwater treatment options.

Facilities that have been in place for 5 years require a comprehensive inspection to be conducted by a registered engineer or landscape architect.

Background information

Since 2015, the City of Gallatin Stormwater Ordinance requires that new developments with private stormwater facilities execute an Inspection and Maintenance Agreement for Stormwater Facilities between the property owners and the City of Gallatin.

This document must be recorded as a deed restriction. This agreement runs with the land, and operates as a deed restriction binding on the current property owners and all subsequent property owners and their lessees and assigns, including but not limited to homeowner associations or other groups or entities.

This Inspection and Maintenance Agreement requires an annual inspection report be submitted each February to the City of Gallatin Engineering Division.

The Stormwater Inspection and Maintenance Agreement language in the City's Stormwater Ordinance states:

- 3. The Landowner shall inspect the site's storm water facilities and submit an inspection report beginning on the first day of February following the installation of the Facilities, or any part thereof, and annually thereafter. Inspection checklists may be obtained from the City of Gallatin Engineering Division.*
- 4. On February 1st, on or before the fifth year after the Facilities are put into actual service, and at least every five years thereafter, a comprehensive inspection of all*



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stormwater facilities shall be conducted and submitted to the City Engineer. The Inspection will be performed by a professional engineer or landscape architect. These inspection reports must, at minimum, include:

- a) Facility type*
- b) Inspection date*
- c) Latitude, longitude and nearest street address*
- d) BMP (“best management practice”) owner information (i.e.- name, address, phone number, fax, and email)*
- e) A description of BMP condition including: vegetation and soils; inlet and outlet channels and structures; embankments, slopes and safety benches, spillways, weirs, and other control structures; and any sediment debris accumulation*
- f) Photographic documentation of BMPs*
- g) Specific maintenance items or violations that need to be corrected by the BMP owner along with deadlines and re-inspection dates*

It shall be the Landowner’s responsibility to maintain documentation of these inspections.

More information, including copies of the City’s Stormwater Ordinance, the Inspection and Maintenance Agreement for Stormwater Facilities, and checklists are available on our webpage: <https://www.gallatintn.gov/1833/Stormwater-Documents>.

Please contact me with any questions at Kourtney.Crutcher@gallatintn.gov or 615-451-5965.

Respectfully,

Kourtney Crutcher

Kourtney Crutcher
Stormwater Coordinator



ENGINEERING DIVISION
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10. Post Construction BMP Checklist Form



City of Gallatin Engineering Division Post Construction BMP Maintenance Checklist

Site Name: _____

Date of Inspection: _____

Name of Inspector: _____

Description of Stormwater Quantity and Quality Facilities: _____

Per Section 4.2.5.7 of the State of Tennessee NPDES General Permit of Discharges from Small Municipal Separate Storm Sewer System (MS4), owners/operators of stormwater management systems are to perform routine inspections to ensure they are properly functioning.

This checklist is to be submitted to the City of Gallatin Engineering Division annually by February 1st per the terms of the above referenced **Inspection and Maintenance Agreement for Storm Water Facilities**. Any items noted as unsatisfactory shall be addressed by the following March 1, at which time an inspection by the Engineering Division will be performed to evaluate compliance.

Satisfactory : Item/Issue is in good condition functioning as designed in the approved site approval plans

Unsatisfactory : Item/Issue is not in good condition, not functioning, broken, and/or needs maintenance

Not Applicable : This Item/Issue does not apply to this site

Maintenance Item	Satisfactory	Unsatisfactory	Not Applicable	Comments/Action Required
STRUCTURAL BMP'S				
Dry Pond				
Clear of trash and debris				
Vegetation properly maintained				
Clear of Erosion/Sedimentation				
Inlet / outlet structures clear of sediment/debris, structurally sound, and functioning properly				
Accumulated sediment less than 5% of pond design capacity				
Spillway/Dam condition				
Miscellaneous				
Wet Pond / Constructed Wetlands				
Clear of trash and debris				
Vegetation properly maintained				
Clear of Erosion/Sedimentation				
Inlet / outlet structures clear of sediment/debris, structurally sound, and functioning properly				
Sediment forebay less than 50% full				
Overflow structure condition				
Permanent pool elevation at design elevation				
Appearance of water (sheen, muddy, oily, algae, etc.)				
Miscellaneous				

Maintenance Item	Satisfactory	Unsatisfactory	Not Applicable	Comments/Action Required
Infiltration Facilities (Infiltration trench/basin, bioretention, rain garden, enhanced swale, sand filter, etc.)				
Clear of trash and debris				
Vegetation properly maintained				
Clear of Erosion/Sedimentation				
Inlet / outlet structures clear of sediment/debris, structurally sound, and functioning properly				
Sediment forebay less than 50% full				
Overflow structure condition				
Facility draining properly and no permanent water standing				
Appearance of water (sheen, muddy, oily, algae, etc.)				
Miscellaneous				
Water Re-use System				
System functioning properly and regularly used				
Miscellaneous				
Pervious Pavement				
Clear of trash and debris				
Structurally sound (cracking, rutting, etc)				
Surface infiltrating and draining properly				
No evidence of clogging of pores				
Miscellaneous				
Proprietary or Manufactured Systems				
Structurally sound				
Cleaned regularly of debris/trash/sediment buildup				
Inlet / outlet condition				
Miscellaneous				
NON-STRUCTURAL BMP'S				
Conservation Areas, Stream Buffers, Vegetated Channels, Overland Flow Filtration/Infiltration Zones				
Vegetation properly maintained (Note buffer and conservation areas are to be left as "natural" as possible, so regular mowing, etc. is not allowed.)				



ENGINEERING DIVISION
BUILDING A BETTER TOMORROW

11. Training Handout For New Employees



STORMWATER 101: Pollution Prevention and Illicit Discharge Protection

New Employee Training

Welcome to the City of Gallatin! This training document is intended to enhance your awareness of the importance of stormwater pollution prevention.

We are proud of our natural resources and work hard to protect them for all of our residents, both now and in the future. All of our creeks and streams drain to Old Hickory Lake/Cumberland River which is where we get our drinking water from and where people enjoy fishing, kayaking, swimming and skiing!

As a City employee, part of your job is helping to ensure that our water stays clean. This document will cover some simple ways that you can do that. At the end of this document, you will be asked to answer a few questions based on what you learned and to sign the form that you have read this information.

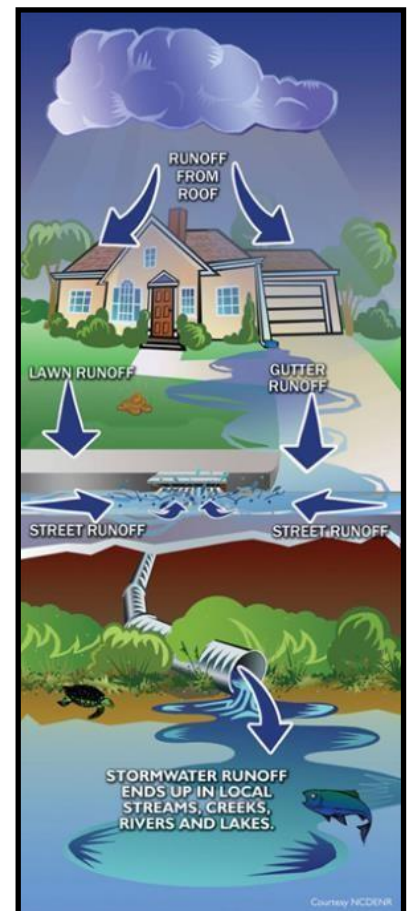
GOALS

- Understand the terms “stormwater”, “illicit discharge” and “best practice”
- Understand why these terms are important and why you should care
- Understand what best practices you can use to help prevent stormwater pollution
- Understand how to recognize and report illicit discharges (pollution)

What is Stormwater?

Stormwater is simply any rain, sleet or snow that does not soak into the ground and runs off into a ditch, storm drain, or surface water. When it rains, water will either soak into the ground, or it will hit a hard or “impervious” surface and will run off somewhere else. When this water falls on a driveway or parking lot, it may carry with it oil, fuel, heavy metals or sediment. When water runs off of a lawn, it might have fertilizer, pesticides, dog waste, or sediment in it. All of these pollutants that are carried by the water as it runs off will eventually make their way into our creeks and streams, and out into Old Hickory Lake.

- When it rains, water that does not soak into the ground becomes runoff
- This runoff can enter a storm drainage system which ends up in local streams, creeks, rivers, and lakes





Why is Stormwater Runoff Important?

Stormwater runoff not only picks up pollutants and debris such as trash, dog waste, and chemicals, but it is NOT cleaned up before it enters our creeks, streams and lakes. Here in the City of Gallatin, we have a Municipal Separate Storm Sewer System, or MS4. This means that the pipes that carry sewage water from toilets, sinks and showers are different than the pipes that carry stormwater runoff. Sewage water goes to a treatment plant to be cleaned before it is put back into surface water. Stormwater does not get cleaned and dumps directly into surface water, carrying pollution with it.

- Stormwater runoff can pick up debris, chemicals, dirt, and other pollutants
- Stormwater runoff is NOT treated before it is discharged into local streams, creeks, rivers, and lakes



What is an Illicit Discharge?

The word “illicit” simply means illegal. An illicit discharge is more than just dumping chemicals down the storm drain. In the City of Gallatin, it is illegal for anything but stormwater to go down a storm drain or into a water body. There are a few exceptions to this rule, but if you can remember “only rain down the drain,” you can easily remember what our City ordinance says.

Why are Illicit Discharges Important?

- Illicit discharges often include pathogens, nutrients, toxic pollutants, etc.
- Illicit discharges = pollution
- Anything that enters a storm sewer system flows untreated to a local waterway



Why Should You Care?

- We use local waterways for swimming, fishing, boating, and as a source of drinking water
- The City of Gallatin is required to prevent pollutants from entering the storm sewer system

We all want to have clean water to drink, to boat in, to swim in, to fish in, and for the plants and animals in our environment to use. Not only are we required by our permit to keep the water clean here in Gallatin, but it is the right thing to do for our health and safety and for the health of our environment.

What Can You Do?

Employees can help prevent stormwater pollution by:

- Preventing pollutants from being dumped or spilled into the storm sewer system (this includes driveways, sidewalks, streets, storm drains)
- Reporting pollution or questionable discharges to the storm sewer system or local waterways

As a City employee, you play a major role in preventing stormwater pollution. The first step in pollution prevention is knowing what types of activities are most likely to cause a problem. Activities like vehicle or equipment refueling and maintenance, landscaping work, and materials storage are all examples of activities where you should be on the lookout for potential problems.



Best Practices for Preventing Pollution

- Store and handle materials safely
- Clean up spills properly using dry methods
- Never dump or wash out items down or near a storm drain



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The first step in stormwater pollution prevention is to make sure you are handling and storing materials safely. Avoid doing work near the storm drainage system if you can. Do vehicle or equipment maintenance underneath a covered area.

Keep material containers closed when you are transporting them from one place to another, and make sure to close lids when you are done working with a material. Materials should be kept covered under a roof or tarp at all times. Materials containers should be stored with something underneath like a drip pan or a containment pallet to catch any drips or leaks.

Make sure all dumpsters are leak-free and lids remain closed. Washwater should be contained, collected and disposed of in the sanitary sewer or other appropriate place - not into the storm drainage system.

If there is a spill of a small amount of material, clean it up immediately. Always use dry cleanup methods- NEVER hose down a spill.





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If you see discharges entering the storm drainage system or someone dumping something down the storm drain, report it to your supervisor.



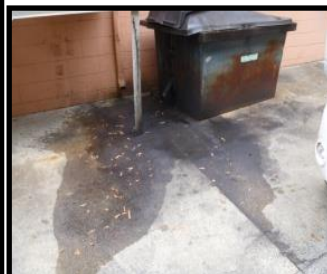
Recognizing Stormwater Pollution

If you see warning signs of pollution coming out of a pipe or in a local waterway, report it. Warning signs may include the presence of unusual:

- Color
- Odor
- Turbidity
- Floatable liquids and solids

Examples of What to Report

Stormwater pollution can often be seen. Keep your eyes open for especially cloudy or dirty water running down the street, sidewalks or driveways. Discharges of unusually colored liquids are often a sign of pollution. Leaking dumpsters or grease bins should be reported.





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12. 2022 Public Works Annual Inspection



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CLEAN WATER | HEALTHY COMMUNITIES

SITE EVALUATION INSPECTION FORM

Date: 8/24 Time: 10:00 AM

Inspected by (printed): Kourtney Crutcher, Lance Wagner and Richard Reppert

Signature: [Handwritten signatures]

AREAS INSPECTED	OBSERVATIONS	ACTION TAKEN
Property Boundaries	<u>good</u>	<u>NA</u>
Stormwater Outfalls	<u>outfall near Stockpile could use additional measures</u>	<u>Install rip rap as additional filtration</u>
Dumpsters	<u>good</u>	<u>NA</u>
Waste Storage Areas	<u>good</u>	<u>NA</u>
Indoor Storage Areas	<u>good</u>	<u>NA</u>
Equipment Storage Areas (Indoor)	<u>good</u>	<u>NA</u>
Equipment Storage Areas (Outdoor)	<u>good</u>	<u>NA</u>
Vehicle Wash Areas	<u>good</u>	<u>NA</u>
Stockpiled Areas	<u>good</u>	<u>NA</u>

Use another sheet if necessary



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13. 2022 Parks & Recreation Annual Inspection



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STORAGE BARN /
Municipal
Park +
detention

SITE EVALUATION INSPECTION FORM

Date: 8/22/2022 Time: 10:40 AM

Inspected by (printed): KOURTNEY CRUTCHER + Lance Wagner

Signature: [Signatures]

AREAS INSPECTED	OBSERVATIONS	ACTION TAKEN
Property Boundaries	SOME EROSION	Monitor
Stormwater Outfalls	minor transport of debris - lack of treatment	NA
Dumpsters	—	NA
Waste Storage Areas	—	NA
Indoor Storage Areas	OKAY	NA
Equipment Storage Areas (Indoor)	GOOD	NA
Equipment Storage Areas (Outdoor)	GOOD	NA
Vehicle Wash Areas	NA	NA
Stockpiled Areas	illegal stockpile parking lot	Remove Stockpile

Use another sheet if necessary

→ Municipal Park
- remove concrete from detention weir

- Small potella ~~or~~ handles
- oil recycling
- 4 drums of hydraulic fluid
- no drains



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CLEAN WATER | HEALTHY COMMUNITIES

SITE EVALUATION INSPECTION FORM

Date: 8/22/2022 Time: 10:00 AM

Inspected by (printed): KOURTNEY CRUTCHER, Lance Wagner and Mark B.

Signature: [Handwritten Signatures]

AREAS INSPECTED	OBSERVATIONS	ACTION TAKEN
Property Boundaries	maintenance for PW in culverts	NA
Stormwater Outfalls	curb cut needs to be cleaned out, parking lot out fall	CLEAN CURB CUT
Dumpsters	Staining - rust? near dump truck - perm.	NA
Waste Storage Areas	↓	NA
Indoor Storage Areas	look okay	NA
Equipment Storage Areas (Indoor)	↓	NA
Equipment Storage Areas (Outdoor)	GOOD	NA
Vehicle Wash Areas	NA	NA
Stockpiled Areas	NA	NA

Use another sheet if necessary

- ① - Clean up debris (street sweep along curb line)
- Clean culvert out / and or replace culvert so that drainage
- Staining near trash
- buried outfall near wall by pool
- PW to clean out front culvert - CIVIC CENTER