

Year 3 Annual Report
Massachusetts Small MS4 General Permit
Reporting Period: July 1, 2020-June 30, 2021

Please DO NOT attach any documents to this form. Instead, attach all requested documents to an email when submitting the form

Unless otherwise noted, all fields are required to be filled out. If a field is left blank, it will be assumed the requirement or task has not been completed. Please ONLY report on activities between July 1, 2020 and June 30, 2021 unless otherwise requested.

Part I: Contact Information

Name of Municipality or Organization:

EPA NPDES Permit Number:

Primary MS4 Program Manager Contact Information

Name: Title:

Street Address Line 1:

Street Address Line 2:

City: State: Zip Code:

Email: Phone Number:

Stormwater Management Program (SWMP) Information

SWMP Location (web address):

Date SWMP was Last Updated:

If the SWMP is not available on the web please provide the physical address:

Part II: Self-Assessment

First, in the box below, select the impairment(s) and/or TMDL(s) that are applicable to your MS4. Make sure you are referring to the most recent EPA approved Section 303(d) Impaired Waters List which can be found here: <https://www.epa.gov/tmdl/region-1-impaired-waters-and-303d-lists-state>

Impairment(s)

Bacteria/Pathogens Chloride Nitrogen Phosphorus
 Solids/ Oil/ Grease (Hydrocarbons)/ Metals

TMDL(s)

In State:

Assabet River Phosphorus Bacteria and Pathogen Cape Cod Nitrogen
 Charles River Watershed Phosphorus Lake and Pond Phosphorus

Out of State:

Bacteria/Pathogens Metals Nitrogen Phosphorus

Clear Impairments and TMDLs

Next, check off all requirements below that have been completed. **By checking each box you are certifying that you have completed that permit requirement fully.** If you have not completed a requirement leave the box unchecked. Additional information will be requested in later sections.

Year 3 Requirements

- Inspected and screened all outfalls/interconnections (excluding Problem and Excluded outfalls)
- Updated outfall/interconnection priority ranking based on the information collected during the dry weather inspections as necessary
- Post-construction bylaw, ordinance, or other regulatory mechanism was updated and adopted consistent with permit requirements

Optional: If you would like to describe progress made on any incomplete requirements listed above, provide any additional information, and/or if any of the above year 3 requirements could not be completed due to the impacts of COVID-19, please identify the requirement that could not be completed, any actions taken to attempt to complete the requirement, and reason the requirement could not be completed below:

The Town has existing regulations that pertain to stormwater issues. In Year 3, a consulting company reviewed the Town's regulations, and in Year 4 the Town will work on revisions to ensure consistency with the MS4 Permit requirements.

Annual Requirements

- Provided an opportunity for public participation in review and implementation of SWMP and complied with State Public Notice requirements
- Kept records relating to the permit available for 5 years and made available to the public
- The SSO inventory has been updated, including the status of mitigation and corrective measures implemented
 - This is not applicable because we do not have sanitary sewer
 - This is not applicable because we did not find any new SSOs

- The updated SSO inventory is attached to the email submission
- The updated SSO inventory can be found at the following website:

N/A

- Properly stored and disposed of catch basin cleanings and street sweepings so they did not discharge to receiving waters
- Provided training to employees involved in IDDE program within the reporting period
- All curbed roadways were swept at least once within the reporting period
- Updated system map due in year 2 as necessary
- Enclosed all road salt storage piles or facilities and implemented winter road maintenance procedures to minimize the use of road salt
- Implemented SWPPPs for all permittee owned or operated maintenance garages, public works yards, transfer stations, and other waste handling facilities
- Updated inventory of all permittee owned facilities as necessary
- O&M programs for all permittee owned facilities have been completed and updated as necessary
- Implemented all maintenance procedures for permittee owned facilities in accordance with O&M programs
- Implemented program for MS4 infrastructure maintenance to reduce the discharge of pollutants
- Inspected all permittee owned treatment structures (excluding catch basins)

Optional: If you would like to describe progress made on any incomplete requirements listed above, provide any additional information, and/or if any of the above annual requirements could not be completed due to the impacts of COVID-19, please identify the requirement that could not be completed, any actions taken to attempt to complete the requirement, and reason the requirement could not be completed below:

Annual IDDE training was delayed due to COVID-19 and completed in September 2021.

All required SWPPPs will be drafted and implemented in Year 4.

The stormwater O&M Plan and inventory of permittee-owned facilities were drafted in Year 2.

Bacteria/ Pathogens (Combination of Impaired Waters Requirements and TMDL Requirements as Applicable)

Annual Requirements

*Public Education and Outreach**

- Annual message was distributed encouraging the proper management of pet waste, including noting any existing ordinances where appropriate
- Permittee or its agents disseminated educational material to dog owners at the time of issuance or renewal of dog license, or other appropriate time
- Provided information to owners of septic systems about proper maintenance in any catchment that discharges to a water body impaired for bacteria

** Public education messages can be combined with other public education requirements as applicable (see Appendix H and F for more information)*

Optional: If you would like to describe progress made on any incomplete requirements listed above or provide any additional details, please use the box below:

N/A

Solids, Oil and Grease (Hydrocarbons), or Metals

Annual Requirements

Good Housekeeping and Pollution Prevention for Permittee Owned Operations

- Increased street sweeping frequency of all municipal owned streets and parking lots to a schedule that targets areas with potential for high pollutant loads
- Prioritized inspection and maintenance for catch basins to ensure that no sump shall be more than 50 percent full; Cleaned catch basins more frequently if inspection and maintenance activities indicated excessive sediment or debris loadings

Optional: If you would like to describe progress made on any incomplete requirements listed above or provide any additional details, please use the box below:

N/A

Optional: Use the box below to provide any additional information you would like to share as part of your self-assessment:

N/A

Part III: Receiving Waters/Impaired Waters/TMDL

Have you made any changes to your lists of receiving waters, outfalls, or impairments since the NOI was submitted?

- Yes
- No

If yes, describe below, including any relevant impairments or TMDLs:

The original NOI submitted for the Town of Marshfield stated that there were 129 MS4 outfalls. After conducting dry weather field screenings, the current outfall inventory includes 93 outfalls.

Part IV: Minimum Control Measures

Please fill out all of the metrics below. If applicable, include in the description who completed the task if completed by a third party.

MCM1: Public Education

Number of educational messages completed **during this reporting period:**

Below, report on the educational messages completed **during this reporting period**. For the measurable goal(s) please describe the method/measures used to assess the overall effectiveness of the educational program.

BMP: Water All Around You School Program

Message Description and Distribution Method:

On behalf of the Town of Marshfield, the North and South Rivers Watershed Association had Environmental Educator Brian Taylor create a series of videos that teachers used with their students, had them play a Watershed Jeopardy game, and hand out a packet of supplemental materials to go with the program. A press release also went out to: the Town of Marshfield, The Globe, the Patriot Ledger, Wicked Local, and the Marshfield Mariner. This program was instated as part of the North and South Rivers Watershed Association WaterSmart Campaign.

Targeted Audience:

Responsible Department/Parties:

Measurable Goal(s):

There were 371 views on the school program web page and 270 views on the NSRWA YouTube channel. The videos were also posted on the NSRWA Facebook page, which has an audience of over 5,000 people. Think Blue reports that 33,665 people in Marshfield have been reached in the WaterSmart Campaign.

Message Date(s):

Message Completed for: Appendix F Requirements Appendix H Requirements

Was this message different than what was proposed in your NOI? Yes No

If yes, describe why the change was made:

BMP: Rain Barrel Sale

Message Description and Distribution Method:

On behalf of the Town of Marshfield, the North and South Rivers Watershed Association organized a Rain Barrel Sale as part of their WaterSmart Campaign. This event was promoted through a press release that went out to: the Town, The Globe, the Patriot Ledger, Wicked Local, and the Marshfield Mariner. The NSRWA created a Facebook post for their page, and also posted it to the town connect page to reach interested buyers.

Targeted Audience:

Responsible Department/Parties:

Measurable Goal(s):

Message Date(s):

Message Completed for: Appendix F Requirements Appendix H Requirements

Was this message different than what was proposed in your NOI? Yes No

If yes, describe why the change was made:

BMP: Gardening Green Expo and Greenscapes Guide

Message Description and Distribution Method:

Targeted Audience:

Responsible Department/Parties:

Measurable Goal(s):

Message Date(s):

Message Completed for: Appendix F Requirements Appendix H Requirements

Was this message different than what was proposed in your NOI? Yes No

If yes, describe why the change was made:

BMP: Spring Annual Message

Message Description and Distribution Method:

Targeted Audience: Residents

Responsible Department/Parties: Town of Marshfield, the North and South Rivers Watershed Association

Measurable Goal(s):

The post had a reach of 121,097 people and 24,424 engagements. On Marshfield MA Forum Facebook page it received 2 engagements. The NSRWA also reports that there were 16 views on the Know Before You Mow! web page and 101 views on the Best Mowing Practices web page.

Message Date(s): June 3, 2021

Message Completed for: Appendix F Requirements Appendix H Requirements

Was this message different than what was proposed in your NOI? Yes No

If yes, describe why the change was made:

N/A

BMP:Summer Annual Message

Message Description and Distribution Method:

The Town provided a link to the Mass.gov Stormwater Pollution Education page, "Fertilizing the Lawn", which reminds residents that "you're not just fertilizing your lawn" and highlights the importance of clean water and addresses the problem of fertilizers in lakes, rivers, and streams. The North and South Rivers Watershed Association also boosted a Facebook post "You're not just fertilizing the lawn!" targeted to Marshfield residents.

Targeted Audience: Residents

Responsible Department/Parties: Town of Marshfield, State of Massachusetts, North and South Rivers Watershed Association

Measurable Goal(s):

The Facebook post titled "You're not just fertilizing the lawn!" was seen by 3,176 people and had 164 engagements when it was boosted in the Town of Marshfield. There were also 209 page views on the stormwater web pages.

Message Date(s): June 3, 2021

Message Completed for: Appendix F Requirements Appendix H Requirements

Was this message different than what was proposed in your NOI? Yes No

If yes, describe why the change was made:

N/A

BMP:Fall Annual Message

Message Description and Distribution Method:

The Town provided a link to the North and South Rivers Watershed Associations Facebook page, who distributed an annual message in the fall encouraging the proper disposal of leaf litter as part of their

WaterSmart South Shore campaign. The post was titled "Don't Blow it!".

Targeted Audience: Residents

Responsible Department/Parties: Town of Marshfield, the North and South Rivers Watershed Association

Measurable Goal(s):

The Facebook post titled "Don't Blow it!" reached 3,085 people and had 157 engagements.

Message Date(s): October 16, 2020

Message Completed for: Appendix F Requirements Appendix H Requirements

Was this message different than what was proposed in your NOI? Yes No

If yes, describe why the change was made:

N/A

BMP: Dog Waste Message

Message Description and Distribution Method:

On behalf of the Town of Marshfield, the North and South Rivers Watershed Association posted an annual message in the summer encouraging the proper management of pet waste as part of their WaterSmart South Shore campaign. The post was titled "The Pet Waste Problem on the South Shore" and was published on the NSRWA Facebook page and on the Marshfield MA Forum Facebook page.

A press release highlighting the dog waste problem was sent to the The Globe, the Patriot Ledger, Wicked Local, and the Marshfield Mariner. The Town also provided a link on their Storm Water page directly to the NSRWAs website page on Pet Waste Education.

Targeted Audience: Residents

Responsible Department/Parties: Town of Marshfield, the North and South Rivers Watershed Association

Measurable Goal(s):

The Facebook post titled "The Pet Waste Problem on the South Shore" received 10 likes, 6 shares, and 2 comments.

Message Date(s): June 17, 2021

Message Completed for: Appendix F Requirements Appendix H Requirements

Was this message different than what was proposed in your NOI? Yes No

If yes, describe why the change was made:

N/A

BMP: Septic Maintenance Message

Message Description and Distribution Method:

On behalf of the Town of Marshfield, North and South Rivers Watershed Association organized and distributed a press release on septic maintenance that went out to: the Town, The Globe, the Patriot Ledger, Wicked Local, and the Marshfield Mariner, and was posted on the NSRWAs Facebook as part of their WaterSmart Campaign. A Facebook post highlighting the EPA’s SepticSmart Week was created to spread awareness to residents as well. The Town also posted a link on the Stormwater page of their website to the NSRWAs Septic Systems page.

Targeted Audience: Residents

Responsible Department/Parties: Town of Marshfield, the North and South Rivers Watershed Association

Measurable Goal(s):

The Facebook post was boosted in September to Marshfield and reached 8,094 people, garnering 387 engagements.

Message Date(s): September 17, 2020

Message Completed for: Appendix F Requirements Appendix H Requirements

Was this message different than what was proposed in your NOI? Yes No

If yes, describe why the change was made:

N/A

BMP: Construction Stormwater Pollution Prevention Guide

Message Description and Distribution Method:

On behalf of the Town of Marshfield, North and South Rivers Watershed Association organized and distributed a brochure entitled "Construction Stormwater Pollution Prevention Guide" to all of the Town departments that issue permits, including Building and Zoning.

Targeted Audience: Developers (construction)

Responsible Department/Parties: Town of Marshfield, the North and South Rivers Watershed Association

Measurable Goal(s):

The Building and Zoning department handed these brochures to people when they receive their construction permit.

Message Date(s): Ongoing

Message Completed for: Appendix F Requirements Appendix H Requirements

Was this message different than what was proposed in your NOI? Yes No

If yes, describe why the change was made:

N/A

BMP:Proper Management of Waste Materials and Dumpsters Postcard

Message Description and Distribution Method:

On behalf of the Town of Marshfield, the North and South Rivers Watershed Association organized and distributed a "Proper Management of Waste Materials and Dumpsters postcard" to all of the businesses, institutions, commercial facilities and industrial facilities in Marshfield.

Targeted Audience: Businesses, institutions and commercial facilities

Responsible Department/Parties: Town of Marshfield, the North and South Rivers Watershed Association

Measurable Goal(s):

254 postcards were mailed in Marshfield.

Message Date(s): Ongoing

Message Completed for: Appendix F Requirements Appendix H Requirements Was this message different than what was proposed in your NOI? Yes No

If yes, describe why the change was made:

N/A

BMP:Water for People WMA Grant: videos, online pledge, and lawn signs.

Message Description and Distribution Method:

The NSRWA also received a WMA Grant on behalf of the WaterSmart towns, which allowed them to produce a series of videos, an online pledge, and lawn signs. This campaign runs through summer 2021.

Targeted Audience: Residents

Responsible Department/Parties: Town of Marshfield, the North and South Rivers Watershed Association

Measurable Goal(s):

To date, there have been 9,502 people reached and 121 engagements on Facebook in Marshfield. There have also been 863 YouTube views.

Message Date(s): Ongoing

Message Completed for: Appendix F Requirements Appendix H Requirements Was this message different than what was proposed in your NOI? Yes No

If yes, describe why the change was made:

N/A

BMP:Rain Garden Flyer

Message Description and Distribution Method:

The Town posted a link on their stormwater webpage to the Mass.gov "Going Green with Stormwater Raingardens" informational flyer.

Targeted Audience: Residents

Responsible Department/Parties: Town of Marshfield, State of Massachusetts

Measurable Goal(s):

Distribute two messages to each of the four audience groups within the permit term.

Message Date(s): Ongoing

Message Completed for: Appendix F Requirements Appendix H Requirements

Was this message different than what was proposed in your NOI? Yes No

If yes, describe why the change was made:

N/A

BMP: Pet Waste Information to Town Clerk's Office**Message Description and Distribution Method:**

The NSRWA distributed 100 pet waste "Scoop It" cards each to the Town Clerk's office, South River Vet, and Marshfield Animal Hospital.

Targeted Audience: Residents

Responsible Department/Parties: Town of Marshfield, the North and South Rivers Watershed Association

Measurable Goal(s):

Distribute messages at time of dog licensing or renewal in accordance with the Town's bacteria and pathogens impairment and TMDL.

Message Date(s): Ongoing

Message Completed for: Appendix F Requirements Appendix H Requirements

Was this message different than what was proposed in your NOI? Yes No

If yes, describe why the change was made:

N/A

BMP: Fowl Water Campaign**Message Description and Distribution Method:**

Stormwater social media video campaign called "Fowl Water" that educates residents on how "stormwater

pollution is trash, oil, cigarette butts, & dog waste." Campaign is run by Think Blue Massachusetts and published with advertisements on Facebook, Instagram, and YouTube.

Targeted Audience: Residents

Responsible Department/Parties: Think Blue Massachusetts

Measurable Goal(s):

Think Blue Massachusetts reports that 33,665 people in Marshfield have been reached by this campaign through Facebook and YouTube.

Message Date(s): May 17 to July 4, 2021

Message Completed for: Appendix F Requirements Appendix H Requirements

Was this message different than what was proposed in your NOI? Yes No

If yes, describe why the change was made:

This outreach was developed by Think Blue on behalf of the Town to supplement outreach already noted on the NOI.

BMP:Consumer Confidence Report (CCR) - "Strom Drains - Threat to Waterways"

Message Description and Distribution Method:

The Town included stormwater related messaging in their latest Consumer Confidence Report (CCR). The message was titled "Storm Drains - Threat to Waterways" and described the process of how stormwater runoff collects and carries debris and pollutants, such as pesticides, animal waste, salts, oil, and litter into local waterways and urged residents to never dump oil or other materials into storm drains.

Targeted Audience: Residents

Responsible Department/Parties: Town of Marshfield Department of Public Works - Water Division

Measurable Goal(s):

The current Consumer Confidence Report (CCR) is always available for residents to view on the the Town website's Water Department page here: <https://www.marshfield-ma.gov/water-department>
or
here: https://www.marshfield-ma.gov/sites/g/files/vyhlf3416/f/uploads/final_ccr_2020_0.pdf

Message Date(s): July 7, 2020

Message Completed for: Appendix F Requirements Appendix H Requirements

Was this message different than what was proposed in your NOI? Yes No

If yes, describe why the change was made:

This message supplements work already listed in the Town's NOI.

Add an Educational Message

MCM2: Public Participation

Describe the opportunity provided for public involvement in the development of the Stormwater Management Program (SWMP) **during this reporting period:**

The Town posted a copy of the SWMP on their stormwater webpage and provided a link for residents to leave comments.

Was this opportunity different than what was proposed in your NOI? Yes No

Describe any other public involvement or participation opportunities conducted **during this reporting period:**

The Town hosted a Household Hazardous Waste, Mercury, Batteries and Medication Disposal Day in September 2020.

Marshfield is a member of the North and South Rivers Watershed Association, an organization that hosts cleanup days and educational events regularly.

MCM3: Illicit Discharge Detection and Elimination (IDDE)

Sanitary Sewer Overflows (SSOs)

Check off the box below if the statement is true.

This SSO section is NOT applicable because we DO NOT have sanitary sewer

Below, report on the number of SSOs identified in the MS4 system and removed **during this reporting period.**

Number of SSOs identified:

Number of SSOs removed:

MS4 System Mapping

Optional: Provide additional status information regarding your map:

The Town continued to refine its stormwater mapping based on field observations.

Screening of Outfalls/Interconnections

If conducted, please submit any outfall monitoring results from this reporting period. Outfall monitoring results should include the date, outfall/interconnection identifier, location, weather conditions at time of sampling, precipitation in previous 48 hours, field screening parameter results, and results from all analyses. Please also include the updated inventory and ranking of outfalls/interconnections based on monitoring results.

- No outfalls were inspected
- The outfall screening data is attached to the email submission
- The outfall screening data can be found at the following website:

N/A

Below, report on the number of outfalls/interconnections screened during this reporting period.

Number of outfalls screened: 8

Below, report on the percent of outfalls/interconnections screened to date.

Percent of outfalls screened: 100

Optional: Provide additional information regarding your outfall/interconnection screening:

N/A

Catchment Investigations

If conducted, please submit all data collected during this reporting period as part of the dry and wet weather investigations. Also include the presence or absence of System Vulnerability Factors for each catchment.

- No catchment investigations were conducted
- The catchment investigation data is attached to the email submission
- The catchment investigation data can be found at the following website:

N/A

Below, report on the number of catchment investigations completed during this reporting period.

Number of catchment investigations completed this reporting period: 0

Below, report on the percent of catchments investigated to date.

Percent of total catchments investigated: 0

Optional: Provide any additional information for clarity regarding the catchment investigations below:

N/A

IDDE Progress

If illicit discharges were found, please submit a document describing work conducted over this reporting period, and cumulative to date, including location source; description of the discharge; method of discovery; date of discovery; and date of elimination, mitigation, or enforcement OR planned corrective measures and schedule of removal.

- No illicit discharges were found
- The illicit discharge removal report is attached to the email submission
- The illicit discharge removal report can be found at the following website:

N/A

*Below, report on the number of illicit discharges identified and removed, along with the volume of sewage removed **during this reporting period.***

Number of illicit discharges identified:

Number of illicit discharges removed:

Estimated volume of sewage removed: gallons/day

*Below, report on the total number of illicit discharges identified and removed to date. At a minimum, report on the number of illicit discharges identified and removed **since the effective date of the permit (July 1, 2018).***

Total number of illicit discharges identified:

Total number of illicit discharges removed:

Optional: Provide any additional information for clarity regarding illicit discharges identified, removed, or planned to be removed below:

N/A

Employee Training

Describe the frequency and type of employee training conducted **during this reporting period:**

Annual IDDE training was delayed due to COVID-19 and completed in September 2021.

MCM4: Construction Site Stormwater Runoff Control

*Below, report on the construction site plan reviews, inspections, and enforcement actions completed **during this reporting period.***

Number of site plan reviews completed:

Number of inspections completed:

Number of enforcement actions taken:

Optional: Enter any additional information relevant to construction site plan reviews, inspections, and enforcement actions:

The Town received numerous construction site SWPPPs for private developments. Although few enforcement orders were issues, any items requiring attention by the owner or contractor are regularly communicated and addressed.

MCM5: Post-Construction Stormwater Management in New Development and Redevelopment

As-built Drawings

Below, report on the number of as-built drawings received during this reporting period.

Number of as-built drawings received:

Optional: Enter any additional information relevant to the submission of as-built drawings:

N/A

Street Design and Parking Lots Report

Describe the status of the street design and parking lots assessment due in year 4 of the permit term, including any planned or completed changes to local regulations and guidelines:

To be completed in Year 4.

Green Infrastructure Report

Describe the status of the green infrastructure report due in year 4 of the permit term, including the findings and progress towards making the practice allowable:

To be completed in Year 4.

Retrofit Properties Inventory

Describe the status of the inventory, due in year 4 of the permit term, of permittee-owned properties that could be modified or retrofitted with BMPs to mitigate impervious areas and report on any properties that have been modified or retrofitted:

To be completed in Year 4.

MCM6: Good Housekeeping

Catch Basin Cleaning

Below, report on the number of catch basins inspected and cleaned, along with the total volume of material removed from the catch basins **during this reporting period**.

Number of catch basins inspected:

Number of catch basins cleaned:

Total volume or mass of material removed from all catch basins:

Below, report on the total number of catch basins in the MS4 system.

Total number of catch basins:

If applicable:

Report on the actions taken if a catch basin sump is more than 50% full during two consecutive routine inspections/cleaning events:

N/A

Street Sweeping

Report on street sweeping completed **during this reporting period** using one of the three metrics below.

Number of miles cleaned:

Volume of material removed:

Weight of material removed:

Stormwater Pollution Prevention Plan (SWPPP)

Below, report on the number of site inspections for facilities that require a SWPPP completed **during this reporting period**.

Number of site inspections completed:

Describe any corrective actions taken at a facility with a SWPPP:

The Town will develop SWPPPs for the necessary facilities in Year 4.

Additional Information

Monitoring or Study Results

Results from any other stormwater or receiving water quality monitoring or studies conducted during the reporting period not otherwise mentioned above, where the data is being used to inform permit compliance or permit effectiveness must be attached.

- Not applicable
- The results from additional reports or studies are attached to the email submission
- The results from additional reports or studies can be found at the following website(s):

N/A

If such monitoring or studies were conducted on your behalf or if monitoring or studies conducted by other entities were reported to you, a brief description of the type of information gathered or received shall be described below:

N/A

Additional Information

Optional: Enter any additional information relevant to your stormwater management program implementation during the reporting period. Include any BMP modifications made by the MS4 if not already discussed above:

As part of a negotiation with private development the Town purchased 500 lf of drainage pipe and catch basins and the developer installed the drainage system in Norwell Street in an area on the top of hill that storm water runoff would negatively impact existing development down gradient.

An existing Town-owned building located at 965 Plain Street was expanded to house the DPW offices in Year 3. The drainage collection system at this facility was redesigned to manage the additional stormwater runoff generated from the building expansion and comply with Massachusetts Stormwater Management Standards.

The Town authorized easements for the construction of detention basins to manage the stormwater from the Rockwood Road upper baseball fields.

A Beneficial Use Determination (BUD) has been issued for the Town to dispose of catch basin cleanings located on Clay Pit Road. Additionally, containment bins were constructed at this facility to properly manage stockpiles.

The Town hired a consulting company to visit and observe the Town's BMPs. This observation report is

available upon request.

COVID-19 Impacts

Optional: If any of the above year 3 requirements could not be completed due to the impacts of COVID-19, please identify the requirement that could not be completed, any actions taken to attempt to complete the requirement, and reason the requirement could not be completed below:

The Town was unable to clean the amount of catch basins typically cleaned annually. For the upcoming year, budget has been allocated to clean 1,000 catch basins by a subcontractor.

Activities Planned for Next Reporting Period

Please confirm that your SWMP has been, or will be, updated to comply with all applicable permit requirements including but not limited to the year 4 requirements summarized below. (Note: impaired waters and TMDL requirements are not listed below)

Yes, I agree

- Develop a report assessing current street design and parking lot guidelines and other local requirements within the municipality that affect the creation of impervious cover
- Develop a report assessing existing local regulations to determine the feasibility of making green infrastructure practices allowable when appropriate site conditions exist
- Identify a minimum of 5 permittee-owned properties that could potentially be modified or retrofitted with BMPs to reduce impervious areas

Annual Requirements

- Annual report submitted and available to the public
- Annual opportunity for public participation in review and implementation of SWMP
- Keep records relating to the permit available for 5 years and make available to the public
- Properly store and dispose of catch basin cleanings and street sweepings so they do not discharge to receiving waters
- Annual training to employees involved in IDDE program
- Update inventory of all known locations where SSOs have discharged to the MS4
- Continue public education and outreach program
- Update outfall and interconnection inventory and priority ranking and include data collected in connection with the dry weather screening and other relevant inspections conducted
- Implement IDDE program
- Review site plans of construction sites as part of the construction stormwater runoff control program
- Conduct site inspection of construction sites as necessary
- Inspect and maintain stormwater treatment structures
- Log catch basins cleaned or inspected
- Sweep all curbed streets at least annually
- Continue investigations of catchments associated with Problem Outfalls
- Implemented SWPPPs for all permittee owned or operated maintenance garages, public works yards, transfer stations, and other waste handling facilities
- Review inventory of all permittee owned facilities in the categories of parks and open space, buildings

- and facilities, and vehicles and equipment; update if necessary
- Review O&M programs for all permittee owned facilities; update if necessary
- Implement all maintenance procedures for permittee owned facilities in accordance with O&M programs
- Implement program for MS4 infrastructure maintenance to reduce the discharge of pollutants
- Enclose all road salt storage piles or facilities and implemented winter road maintenance procedures to minimize the use of road salt
- Review as-built drawings for new and redevelopment to ensure compliance with post construction bylaws, regulations, or regulatory mechanism consistent with permit requirements
- Inspect all permittee owned treatment structures (excluding catch basins)

Provide any additional details on activities planned for permit year 4 below:

In Year 4, the NSRWA will be completing the following outreach (in addition to NSRWA's annual initiatives):

- Parking Lot Maintenance - The NSRWA will provide education relevant to parking lot maintenance, salt storage, sweeping, catch basin cleaning, and fleet maintenance to Marshfield businesses.
- Low Impact Development Information Targeted to Developers - The NSRWA will provide education relevant to reduction of impervious surfaces, use of alternatives to paving, decentralized approach to stormwater, rain gardens, swales, and bioretention area.
- WaterSmart Public Art Raffle or Contest - The NSRWA will come up with a stormwater message for residents to coincide with either an art raffle or a public contest to spread the message.

Part V: Certification of Small MS4 Annual Report 2021

40 CFR 144.32(d) Certification

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, I certify that 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.

Name: Title:

Signature: Date:

[Signatory may be a duly authorized representative]