

Year 1 Annual Report
Massachusetts Small MS4 General Permit
Reporting Period: May 1, 2018-June 30, 2019

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.

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:

Fax 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 and an explanation of why it is not posted on the web:

Part II: Self Assessment

First, in the box below, select the impairment(s) and/or TMDL(s) that are applicable to your MS4.

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 1 Requirements

- Develop and begin public education and outreach program
 Identify and develop inventory of all known locations where SSOs have discharged to the MS4 in the last 5 years
 - The SSO inventory is attached to the email submission
 - The SSO inventory can be found at the following website:

In the IDDE plan posted at <https://www.randolph-ma.gov/department-public-works/pages/stormwater-management>

- Develop written IDDE plan including a procedure for screening and sampling outfalls
 IDDE ordinance complete
 Identify each outfall and interconnection discharging from MS4, classify into the relevant category, and priority rank each catchment for investigation
 - The priority ranking of outfalls/interconnections is attached to the email submission
 - The priority ranking of outfalls/interconnections can be found at the following website:

In the IDDE plan posted at <https://www.randolph-ma.gov/department-public-works/pages/stormwater-management>

- Construction/ Erosion and Sediment Control (ESC) ordinance complete
 Develop written procedures for site inspections and enforcement of sediment and erosion control measures
 Develop written procedures for site plan review
 Keep a log of catch basins cleaned or inspected
 Complete inspection of all stormwater treatment structures

Annual Requirements

- Annual opportunity for public participation in review and implementation of SWMP
- Comply with State Public Notice requirements
- 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
- All curbed roadways have been swept a minimum of one time per year

Bacteria/ Pathogens (Combination of Impaired Waters Requirements and TMDL Requirements as Applicable)Annual Requirements*Public Education and Outreach**

- Annual message encouraging the proper management of pet waste, including noting any existing ordinances where appropriate
- Permittee or its agents disseminate educational material to dog owners at the time of issuance or renewal of dog license, or other appropriate time
- Provide 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)*

Phosphorus (Combination of Impaired Waters Requirements and TMDL Requirements as Applicable)Annual Requirements*Public Education and Outreach**

- Distribute an annual message in the spring (April/May) that encourages the proper use and disposal of grass clippings and encourages the proper use of slow-release and phosphorus-free fertilizers
- Distribute an annual message in the summer (June/July) encouraging the proper management of pet waste, including noting any existing ordinances where appropriate
- Distribute an annual message in the fall (August/September/October) encouraging the proper disposal of leaf litter

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

Good Housekeeping and Pollution Prevention for Permittee Owned Operations

- Increase street sweeping frequency of all municipal owned streets and parking lots subject to Permit part 2.3.7.a.iii.(c) to a minimum of two times per year (spring and fall)

Potential structural BMPs

- Any structural BMPs listed in Attachment 3 to Appendix F already existing or installed in the regulated area by the permittee or its agents shall be tracked and the permittee shall estimate the phosphorus
- removal by the BMP consistent with Attachment 1 to Appendix H. Document the BMP type, total area treated by the BMP, the design storage volume of the BMP and the estimated phosphorus removed in mass per year by the BMP in each annual report

Use the box below to input additional details on any unchecked boxes above or any additional information you would like to share as part of your self assessment:

SWMP and IDDE plans were completed in September 2019 and posted to the Town's website. These plans include the following:

- SSO inventory has been recorded since May 1, 2015 (IDDE plan)
- Procedure for screening and sampling outfalls (IDDE plan)
- Outfall inventory and initial ranking (IDDE plan)
- Written site plan review procedures (SWMP plan)
- Written procedures for site inspection and enforcement of erosion controls (SWMP plan)
- Stormwater Treatment Structure Inspection and Maintenance Procedures (SWMP plan)

Written procedures for site plan review and site inspection of erosion controls are included in the stormwater regulations that have been in place this past year and procedures are included in the recently completed SWMP.

Randolph has joined the Neponset Stormwater Partnership for Year 2 of the permit to conduct the public education and outreach in the upcoming year including those to meet the phosphorus and bacteria specific reporting requirements

PHOSPHORUS:

"Potential structural BMP's"

- There are no structural BMP's at this time

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:

In the SWMP, we have included the proposed Massachusetts Year 2016 additional impairments where they are more stringent than the 2014 listing:

Cochato River (MA74-06) - E. coli was added in the 2016 ILW

Mary Lee Brook (MA74-23) - Waterbody was added and E. coli was added in the 2016 ILW

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 the reporting period:

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

BMP:Dog Licenses/Pet Waste Pick Up

Message Description and Distribution Method:

Pet Waste Education - Printed cards/web post describing benefits and best methods of pet waste disposal and detailing the negative effects of not picking up after your pet.

Targeted Audience:

Responsible Department/Parties:

Measurable Goal(s):

Pet Waste education messages were handed out with 1,414 dog licenses during the reporting period. This flyer has also been available online since January 11, 2019 and is still available here:
<https://www.randolph-ma.gov/clerkregistrar/pages/dog-licenses>

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:Summer message - Proper Management of Pet Waste - Keeping it Clean

Message Description and Distribution Method:

Pet Waste Education - Printed cards/web post describing benefits and best methods of pet waste disposal and detailing the negative effects of not picking up after your pet.

Targeted Audience:

Responsible Department/Parties:

Measurable Goal(s):

his public outreach message aims to educate pet owners about the harms of leaving pet waste out, rather than disposing of it. This addresses the bacteria impairments in Randolph. This flyer and video has been available

online since July 31, 2018 and is still available here:
<https://www.randolph-ma.gov/department-public-works/pages/residential-stormwater-management>

The Town does not have access to website views at this time but will be working with Neposet Stormwater Partnership going forward for measurable goals.

Message Date(s): since July 31, 2018 and is still available

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:Residential Stormwater Management

Message Description and Distribution Method:
 This is a general message to residents, addressing lawn care, rain water, vehicle care, household chemicals, and pet waste

Targeted Audience: Residents

Responsible Department/Parties: SWMP Team

Measurable Goal(s):
 This message was distributed online on August 7, 2018 and is still available here:
<https://www.randolph-ma.gov/department-public-works/pages/residential-stormwater-management>

The Town does not have access to website views at this time but will be working with Neposet Stormwater Partnership going forward for measurable goals.

Message Date(s): August 7, 2018 and is still available

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 message - Don't Trash the Grass

Message Description and Distribution Method:
 This flyer details Lawn care methods that are better for the environment and describe better ways to reuse grass clippings in order to avoid fertilizing

Targeted Audience: Residents/ Lawn Care Professionals

Responsible Department/Parties: SWMP Team

Measurable Goal(s):

This message addresses and targets some of the ways that nutrients are put into the local waterbodies and encourages reduction of fertilizer. This flyer has been available online since May 15, 2019 and is still available here:
<https://www.randolph-ma.gov/home/news/dont-trash-grass>
The Town does not have access to website views at this time but will be working with Neponset Stormwater Partnership going forward for measurable goals.

Message Date(s): since May 15, 2019 and is still available

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:Commercial Property Stormwater Management

Message Description and Distribution Method:

This message describes best management practices for businesses discussing permeable pavement, landscaping and maintenance, redirect roof downspouts, and parking lots/ dumpsters

Targeted Audience: Businesses, institutions and commercial facilities

Responsible Department/Parties: SWMP Team

Measurable Goal(s):

This message addresses and targets some of the ways that contaminants are put into the local waterbodies and encourages businesses to reduce their environmental impact. This information has been available online since May 6, 2019 and is still available here:
<https://www.randolph-ma.gov/department-public-works/pages/commercial-property-stormwater-management>
The Town does not have access to website views at this time but will be working with Neponset Stormwater Partnership going forward for measurable goals.

Message Date(s): May 6, 2019 and is still available

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: Fall Message- Leaf Cleanup

Message Description and Distribution Method:

The Town posted a message on their website and flyers at DPW and Planning Office encouraging the proper disposal of leaf litter.

Targeted Audience: Residents

Responsible Department/Parties: SWMP Team

Measurable Goal(s):

The Town does not have access to website views at this time but will be working with Neposet Stormwater Partnership going forward for measurable goals.

Message Date(s): Posted week of October 15, 2018

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:

Add an Educational Message

MCM2: Public Participation

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

The SWMP and IDDE plans have been posted to the Town's stormwater webpage for public review and comment.

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

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

MCM3: Illicit Discharge Detection and Elimination (IDDE)

Sanitary Sewer Overflows (SSOs)

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:

Below, report on the total number of SSOs identified in the MS4 system and removed to date. At a minimum, report SSOs identified since 2013.

Total number of SSOs identified:

Total number of SSOs removed:

MS4 System Mapping

Describe the status of your MS4 map, including any progress made during the reporting period (phase I map due in year 2):

The map included in the SWMP & IDDE Plan is up to date based on currently available information. The system map will continue to be maintained and updated as the Town gains more information.

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.

- The outfall screening data is attached to the email submission
- The outfall screening data can be found at the following website:

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

Number of outfalls screened:

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

Percent of total outfalls screened:

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.

- The catchment investigation data is attached to the email submission

- The catchment investigation data can be found at the following website:

No catchment investigations completed in this reporting period.

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:

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.

- The illicit discharge removal report is attached to the email submission
- The illicit discharge removal report can be found at the following website:

No illicit discharges removed in this reporting period

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: 0

Number of illicit discharges removed: 0

Estimated volume of sewage removed: 0 [UNITS]

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.

Total number of illicit discharges identified: 0

Total number of illicit discharges removed: 0

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

Employee Training

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

The Town's first IDDE training was conducted on September 12, 2019 at the Public Works Building and was attended by DPW field staff, DPW director, Town Engineer and Conservation Commission Agent. The goals of the presentation were to help the audience understand the difference between what is and is not an illicit discharge and to teach them how to report a potential illicit discharge.

PRESENTATION consisted of Power Point given by BETA Group that included the following:

- The Problem: Brief explanation and history of pollution in stormwater runoff and issues as it is directed to waters of the United States. Short video from <https://www.thinkbluemassachusetts.org/>
- The Permit: Brief summary of MS4 Permit focusing on IDDE program and reporting
- The Practicals: Detailed discussion of what is and is not an illicit discharge. Discussed and provided photos of illicit discharge indicators Discussed how to (and to whom) report a suspected illicit discharge using Illicit Discharge Reporting Form, Discussed how to disseminate this information to field staff

HANDOUTS included a packet with the following:

- Acronyms and Definitions
- Lists of illicit and non-illicit discharges
- Illicit Discharge Reporting Form

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:

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

Ordinance Development

Describe the status of the post-construction ordinance required to be complete in year 2 of the permit term:

The Town of Randolph has a Stormwater Ordinance and Regulations that meet these requirements.

The Ordinance is located at the following web address:

https://www.randolph-ma.gov/sites/randolphma/files/uploads/council_order_2018-019_stormwater_ordinance_final_pdf.pdf

Stormwater Management Rules and Regulations are located at the following web address:

https://www.randolph-ma.gov/sites/randolphma/files/uploads/stormwater_rr_final_8-2018.pdf

As-built Drawings

Describe the status of the measures the MS4 has utilized to require the submission of as-built drawings and ensure long term operation and maintenance of completed construction sites required to be complete in year 2 of the permit term:

The Town of Randolph has a Stormwater Ordinance and Regulations that meet these requirements- available at the website in the previous box.

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

Describe the status of the catch basin cleaning optimization plan:

See plan included in SWMP.

If complete, attach the catch basin cleaning optimization plan or the schedule to gather information to develop the optimization plan:

- The catch basin cleaning optimization plan or schedule is attached to the email submission
- The catch basin cleaning optimization plan or schedule can be found at the following website:

Procedures included in SWMP

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: 3,922

Number of catch basins cleaned: 3,922

Total volume or mass of material removed from all catch basins: UNKWN [UNITS]

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

Total number of catch basins: 3,922

If applicable:

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

Will update once two inspections are completed and record volume or mass removed going forward

Street Sweeping

Describe the status of the written procedures for sweeping streets and municipal-owned lots:

Completed and included in the SWMP. The mileage below indicates the number of miles based on length of roads in town. All town roads were swept twice this year in the Spring and Fall

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

Number of miles cleaned: 113

Volume of material removed: [UNITS]

Weight of material removed: [UNITS]

If applicable:

For rural uncurbed roadways with no catch basins, describe the progress of the inspection, documentation, and targeted sweeping plan:

Winter Road Maintenance

Describe the status of the written procedures for winter road maintenance including the storage of salt and sand:

Procedures included in SWMP.

Inventory of Permittee-Owned Properties

Describe the status of the inventory, due in year 2 of the permit term, of permittee-owned properties, including parks and open spaces, buildings and facilities, and vehicles and equipment, and include any updates:

To be included in year 2.

O&M Procedures for Parks and Open Spaces, Buildings and Facilities, and Vehicles and Equipment

Describe the status of the operation and maintenance procedures, due in year 2 of the permit term, of permittee-owned properties (parks and open spaces, buildings and facilities, vehicles and equipment) and include maintenance activities associated with each:

To be included in year 2.

Stormwater Pollution Prevention Plan (SWPPP)

Describe the status of any SWPPP, due in year 2 of the permit term, for permittee-owned or operated facilities including maintenance garages, public works yards, transfer stations, and other waste handling facilities where pollutants are exposed to stormwater:

To be included in year 2.

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:

O&M Procedures for Stormwater Treatment Structures

Describe the status of the written procedure for stormwater treatment structure maintenance:

See procedures in SWMP.

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):

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:

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:

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 2 requirements summarized below. (Note: impaired waters and TMDL requirements are not listed below)

Yes, I agree

- Complete system mapping Phase I
- Begin investigations of catchments associated with Problem Outfalls
- Develop or modify an ordinance or other regulatory mechanism for post-construction stormwater runoff from new development and redevelopment
- Establish and implement written procedures to require the submission of as-built drawings no later than two years after the completion of construction projects
- Develop, if not already developed, written operations and maintenance procedures
- Develop an inventory of all permittee owned facilities in the categories of parks and open space, buildings and facilities, and vehicles and equipment; review annually and update as necessary
- Establish a written program detailing the activities and procedures the permittee will implement so that the MS4 infrastructure is maintained in a timely manner
- Develop and implement a written SWPPP for maintenance garages, public works yards, transfer stations, and other waste handling facilities where pollutants are exposed to stormwater
- Enclose or cover storage piles of salt or piles containing salt used for deicing or other purposes
- Develop, if not already developed, written procedures for sweeping streets and municipal-owned lots
- Develop, if not already developed, written procedures for winter road maintenance including storage of salt and sand
- Develop, if not already developed, a schedule for catch basin cleaning
- Develop, if not already developed, a written procedure for stormwater treatment structure maintenance
- Develop a written catchment investigation procedure (*18 months*)

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 in the last 5 years
- 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 uncurbed streets at least annually

Provide any additional details on activities planned for permit year 2 below:

Part V: Certification of Small MS4 Annual Report 2019

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]