

**New Hampshire Small MS4 General Permit
Annual Report**

STRAFFORD COUNTY, DOVER, NH

Permit Year 1

EPA NPDES Permit Number NHR041000

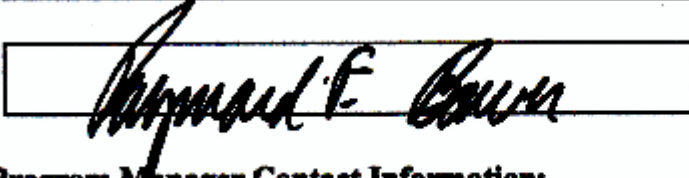
Certification

“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 gathered and evaluated 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.”

Printed Name

Raymond F. Bower – Strafford County Administrator

Signature



Date

9/00/19

Primary MS4 Program Manager Contact Information:

Position/Title:

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Small MS4 Authorization

The following annual report is intended to document on the activities undertaken over the reporting period from May 1, 2018 – June 30, 2019 in accordance with the Notice of Intent. NOI can be found at the following (document name or web address):

https://co.trafford.nh.us/index.php?option=com_content&view=article&id=282

Compliance activities have been identified and described in the Strafford County Stormwater Management Plan (SWMP) and Illicit Discharge Detection and Elimination Plan (IDDE). Those documents can be found at the following website, once the County has received its NOI permit approval, and will be referred to throughout this report:

SWMP: https://co.trafford.nh.us/index.php?option=com_content&view=article&id=282

IDDE: https://co.trafford.nh.us/index.php?option=com_content&view=article&id=282

MCM1 - Public Education and Outreach

Year 1 Activities

BMP: Stormwater Management for Homeowners

Document Name and/or Web Address:

NHDES website link:

<https://www.des.nh.gov/organization/divisions/water/stormwater/stormwater-mgmt-homeowners.htm>

Description:

Link to NHDES website information on Stormwater Management for Homeowners.

Targeted Audience:

Public

Measurable Goal(s):

Educating homeowners on stormwater, what it is, BMPs and how managing it impacts water quality.

Message Date:

2019 – year round.

BMP: Pet Waste Disposal

Document Name and/or Web Address:

"Every Drop" flyer https://www4.des.state.nh.us/nh-ms4/?page_id=54

Description:

Promotion of "Every Drop" flyer on County "Stormwater Management" website. Educational message includes proper pet waste management, impacts of improper management, pet waste ordinance, and disposal requirements. Will include pledge to pick up pet waste to be made available for walk-in customers, veterinarians, dog training, groomers, etc. Every Drop is a collaborative education effort with PREP, NHDES and other partners.

Flyers will also be provided to the Pope Memorial Humane Society located at the County complex.

Targeted Audience:

Residents - Pet Owners

Measurable Goal(s):

Residents are made aware of water quality impacts from pet waste and the importance of managing pet waste.

Message Date: 2019 - year round.

BMP: Septic System Maintenance

Document Name and/or Web Address:

https://www4.des.state.nh.us/nh-ms4/?page_id=54

Description:

Link on County “Stormwater Management” website to “Get Pumped” brochures to educate New Hampshire homeowners with septic systems on how to identify, locate and maintain those systems. “Get Pumped NH” is a collaborative effort between the New Hampshire Association of Septage Haulers (NHASH) and the New Hampshire Department of Environmental Services (NHDES).

Targeted Audience:

Septic System Owners

Measurable Goal(s):

Residents are aware of water quality impacts from septic systems and the importance of maintaining them.

Message Date:

2019 – year round.

BMP: Grass and Fertilizer

Document Name and/or Web Address:

Green Grass & Clear Water Brochure: https://www4.des.state.nh.us/nh-ms4/?page_id=54

Description:

Promotion of four-fold flyer produced by UNH Cooperative Extension and NH Sea Grant outlining simple recommendations to keep lawns healthy while reducing water quality impacts – including proper fertilizer techniques and disposal of grass clippings.

Targeted Audience:

Public

Measurable Goal(s):

Lawn care enthusiasts understand the potential water quality impacts from fertilizer and improper disposal of grass clippings and are aware of the proper lawn care management techniques for reducing those impacts. Assessment of goals will be discussed in greater detail in year 2.

Message Date:

2019 – year round.

MCM2 - Public Education and Outreach

Deliverables will progress in accordance with the accepted NOI and is scheduled for year 2.

MCM3 – Illicit Discharge Detection and Elimination

BMP: IDDE Legal Authority

Strafford County has authority delegated to it in accordance with permit conditions and has

nothing new to report.

BMP: Sanitary Sewer Overflow (SSO) Inventory

Strafford County has not had any SSOs and has nothing new to report.

BMP: Map of Storm Sewer System

Map of storm sewer system and associated outfalls has been completed with the accepted NOI and IDDE.

BMP: IDDE Program

A written IDDE plan has been developed, submitted to EPA and is available for viewing on the County “Stormwater Management” website. The IDDE plan will continue to be updated throughout the year.

Initial outfall identification, characterization and prioritization has been completed and included in the IDDE plan. Written investigation deliverables will progress in accordance with the accepted NOI and is scheduled to be complete by April 1, 2020.

Number of total outfall catchments served by the MS4 evaluated using the catchment investigation procedure: 1. The NOI and IDDE program had not been developed and submitted to the EPA prior to June 30, 2019. All 3 County outfalls will be evaluated according to the NOI and IDDE plan for the 2019-2020 Annual Report.

Number of dry weather outfall investigations/screenings: 1. The NOI and IDDE program had not been developed and submitted to the EPA prior to June 30, 2019. All 3 County outfalls will receive dry weather investigations according to the NOI and IDDE plan for the 2019-2020 Annual Report.

Number of wet weather outfall inspections/sampling events: 1. The NOI and IDDE program had not been developed and submitted to the EPA prior to June 30, 2019. All 3 County outfalls will receive wet weather investigations according to the NOI and IDDE plan for the 2019-2020 Annual Report.

Number of illicit discharges removed: 0. There have been no illicit discharges.

Estimated gallons of flow removed: 0.

BMP: Employee Training

As a routine, IDDE materials and training, including information on how to identify illicit discharges and SSOs, will be made available to the Strafford County designated IDDE compliance coordinator in accordance with IDDE plan.

MCM4 – Construction Site Stormwater Runoff Control

A Written site inspection and enforcement program for erosion and sediment control measures is included in our SWMP.

Number of County site plan reviews completed: 0. The new “Pope Memorial Humane Society” building built on leased County land at the complex had site review performed by the City of Dover. All of the Strafford County complex is located within the City of Dover.

Number of County inspections: 0. The new “Pope Memorial Humane Society” building built on

leased County land at the complex had inspections performed by the City of Dover.

Number of County enforcement actions: 0.

MCM5 – Post Construction Stormwater Management in New Development and Redevelopment

BMP: Post-Construction Ordinance (due in year 2)

Deliverables will progress in accordance with the accepted NOI and is scheduled for year 2.

BMP: Street Design and Parking Lot Guidance Report (due in year 4)

Deliverables will progress in accordance with the accepted NOI and is scheduled for year 4.

BMP: Green Infrastructure Report (due in year 4)

Deliverables will progress in accordance with the accepted NOI and is scheduled for year 4.

BMP: List of Municipal Retrofit Opportunities (due in year 4)

Deliverables will progress in accordance with the accepted NOI and is scheduled for year 4.

MCM6 – Good Housekeeping and Pollution Prevention for Permittee Owned Operations

BMP: Parks and Open Spaces Operations and Maintenance Procedures (due year 2)

Deliverables will progress in accordance with the accepted NOI and is scheduled for year 2.

BMP: Buildings and Facilities Operations and Maintenance Procedures (due year 2)

Deliverables will progress in accordance with the accepted NOI and is scheduled for year 2.

BMP: Vehicles and Equipment Operations and Maintenance Procedures (due year 2)

Deliverables will progress in accordance with the accepted NOI and is scheduled for year 2.

BMP: Catch Basin Cleaning Program

A schedule for catch basin cleaning has been established with the goal of ensuring catch basin should not be more than 50% full.

Strafford County has scheduled to have all 38 of their catch basins cleaned and inspected before the end of September 2019 by B.H. Cameron Septic Services of Farmington, NH.

Number of catch basins within MS4 regulated area: 38

Number catch basins inspected in accordance with the SWMP: 0 as of June 30, 2019.

Number of catch basins cleaned: 0 as of June 30, 2019.

Volume or mass of material removed: 0 as of June 30, 2019.

BMP: Street sweeping program

A street sweeping program has been established such that all streets with curbing and/or catch basins and permittee-owned parking lots are swept in accordance with permit conditions.

Number of (lane) miles swept: 2 miles.

Volume or mass of swept material: Due to the latency of submission of the County NOI, IDDE and SWMP, no calculation of the volume or mass of material derived from the street sweeping in the spring of 2019 was recorded. Per the SWMP, the County will measure and record all future material removed from their roads and parking areas for the 2019-2020 Annual Report.

BMP: Winter Road Maintenance Program

A winter road maintenance program has been established with a goal of reducing salt usage.

BMP: Stormwater Treatment Structures Inspection and Maintenance Procedures

Strafford County will inspect and maintain all stormwater detention structures per the SWMP.

BMP: SWPPP(due year 2)

Deliverables will progress in accordance with the accepted NOI and is scheduled for year 2.

TMDL's and Water Quality Limited Waters

Bacteria/Pathogens

Outfalls to these receiving waters been ranked as high priority for the IDDE implementation in the initial outfall ranking and enhanced BMP's been implemented in accordance with the NOI and IDDE.

Activities for the Next Reporting Cycle

Strafford County will continue to implement activities in accordance with the approved Notice of Intent.