

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

Strafford County Complex

Non-Traditional MS-4

Permit Year 3

July 1, 2020 through June 30, 2021

EPA NPDES Permit Number NHR042002

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

Signature Date

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Small MS4 Authorization

The following annual report, which serves as a self-assessment, is intended to document the activities undertaken over the reporting period from July 1, 2020 through June 30, 2021 in accordance with the Permit.

The Notice of Intent (NOI) can be found at the following (document name or web address):

<https://www.epa.gov/npdes-permits/regulated-ms4-new-hampshire-communities>
<https://www.epa.gov/npdes-permits/regulated-ms4-new-hampshire-communities>

Compliance activities have been identified and described in the Strafford County Complex Stormwater Management Plan (SWMP) and Illicit Discharge Detection and Elimination Plan (IDDE). Those documents can be found at the following websites and will be referred to throughout this report:

SWMP: <https://www.co.strafford.nh.us/country-information/stormwater-management-program>

IDDE: <https://www.co.strafford.nh.us/country-information/stormwater-management-program>

MCM1 - Public Education and Outreach

Year 3 Activities

In addition to the BMPs identified below, the Strafford County Complex coordinates outreach and education initiatives with the City of Dover. The Strafford County Complex also provided a link to the NH Stormwater Coalition website that includes additional BMP documents.

BMP: Pet Waste Disposal

Web Address: <http://www.dover.nh.gov/government/city-operations/community-services/environmental/pet-waste/index.html>

Description:

A link to the City of Dover's Pet Waste initiative is posted on the Strafford County's website. The initiative provides information as to why pet waste is a problem and recommendations for how to manage pet waste.

Targeted Audience:

Residents - Pet Owners

Measurable Goal(s):

Dog owners and/or dog walkers are aware of the potential water quality impacts from pet waste, local pet waste ordinances, and how to dispose of pet waste properly. If pledges are signed, there will be an increase of dog owners committed to picking up pet waste.

The County Stormwater Management website typically receives over 2,000 visitors a year indicating this information had a significant reach throughout the local community.

Goal was achieved.

Message Date:

Year-round message via the Strafford County Stormwater Management website.

BMP: Septic System Maintenance

Document Name and/or Web Address:

<https://www.co.strafford.nh.us/country-information/stormwater-management-program>

Description:

Strafford County Stormwater Management website link to brochure to educate New Hampshire homeowners with septic systems on how to identify, locate and maintain those systems. Get Pumped NH is a collaborated 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, the importance of maintaining septic systems and how to maintain them.

The County Stormwater Management website typically receives over 2,000 visitors a year indicating this information had a significant reach throughout the local community.

Goal was achieved.

Message Date:
Year-round message via the Strafford County Stormwater Management website.

BMP: Stormwater Management for Homeowners

Document Name and/or Web Address:
<https://www.co.strafford.nh.us/country-information/stormwater-management-program>

Description:
A “Stormwater Management Program” link on the County website offers relevant information for homeowners about responsible clean water stewardship and BMPs.

Targeted Audience:
County residents and public in general.

Measurable Goal(s):
The County Stormwater Management website typically receives over 2,000 visitors a year indicating this information had a significant reach throughout the local community.

Goal was achieved.

Message Date:
Year-round message via the Strafford County Stormwater Management website.

MCM2 - Public Participation

BMP: Public Participation in Stormwater Management Program Development

Description: Annual Stormwater/MS4 update is provided to the Strafford County Commissioners at one of their public meetings. Documents and records relating to the permit are retained and available for 5 years to the public.

Measurable Goal(s):
Input was received and records are maintained. **Goal was achieved.**

MCM3 – Illicit Discharge Detection and Elimination

BMP: IDDE Legal Authority

The Strafford County complex is located entirely within the City of Dover, NH. While the elected County Representatives to the State House of Representatives are the legislative authority of Strafford County, IDDE responsibilities default to the City of Dover, as described in the Dover Sewer Code.

BMP: Sanitary Sewer Overflow (SSO) Inventory

This is not applicable to the Strafford County Complex because we do not have sanitary sewer or known sanitary sewer overflows.

BMP: Map of Storm Sewer System

An “as-built” map of the SCHOC catchment storm sewer system with catch basin locations was prepared by Rosser International, Inc. on 6/21/02 and is on file at the County Maintenance Dept. Plan Room.

BMP: IDDE Program (Screenings of Outfalls/Interconnections, Catchment Investigations, and IDDE Progress)

All outfalls and interconnections (excluding problem and excluded outfalls) were inspected and screened in Year 2. Outfall catchments and interconnections priority ranking were updated based on the information collected during the dry weather inspections. A written IDDE plan has been developed.

Outfall identification, characterization and prioritization information has been updated and included in the IDDE plan based on dry weather and wet weather sampling.

The following tasks have been completed in accordance with the permit.

Number of dry weather outfall investigations/screenings: 0 – Dry weather investigations/screening was completed in Year 2

Number of dry weather samples taken: 0 – Dry weather sampling was completed in Year 2

Number of wet weather outfall inspections/sampling events: 0 – Wet weather inspection/sampling was completed in Year 2

Number of wet weather samples taken: 0 – Wet weather sampling was completed in Year 2

Number of catchment investigations: 0

Number of illicit discharges: 0

Number of illicit discharges removed: 0

Estimated gallons of flow removed: 0 gallons

BMP: Employee Training

Materials and training, including information on how to identify illicit discharges, are available to applicable employees in accordance with IDDE plan.

MCM4 – Construction Site Stormwater Runoff Control

Strafford County does not have County ordinances regulating Sediment and Erosion Control Measures Procedures, construction projects at the County that involve outside contractors are required to pull City of Dover permits that regulate work performed at the County Complex to local, State and National Codes. Section 149-19(d) of the City of Dover Site Review Regulations and the City Community Services – Construction Guidelines, Permits, Rules and Regulations.

The following tasks are in progress in accordance with the permit.

Number of site plan reviews completed: 0

Number of inspections: 0

Number of enforcement actions: 0

MCM5 – Post Construction Stormwater Management in New Development and Redevelopment

BMP: Post-Construction Ordinance (due in year 3)

A Post-Construction Ordinance, consistent with the permit requirements, has been adopted by the City of Dover.

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

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

BMP: Green Infrastructure Report (due in year 4)

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

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

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

MCM6 – Good Housekeeping and Pollution Prevention for Permittee Owned Operations

BMP: Catch Basin Cleaning Program

A schedule for catch basin cleaning has been established with the goal of ensuring that a catch basin should not be more than 50% full. Catch basin cleanings were properly stored and disposed of so that they did not discharge to receiving waters. This is detailed in the SWMP.

The following tasks are in progress in accordance with the permit.

Number of catch basins within MS4 regulated area: 38

Number catch basins inspected in accordance with the SWMP: 38

Number of catch basins cleaned and Total Volume Removed: Facility reported that similar cleaning activities were performed in Year 3, as Year 2.

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. Street sweepings were properly stored and disposed so that they did not discharge to receiving waters.

The following tasks are in progress in accordance with the permit.

Number of (lane) miles swept: approximately 1 mile

Volume or mass of swept material: quantity not provided

BMP: Winter Road Maintenance Program

A winter road maintenance program has been established with a goal of reducing salt usage. Salt reduction strategies have been implemented as outlined in our SWMP. All road salt storage piles are enclosed/covered to prevent runoff into storm drains and water bodies.

The Strafford County Complex has adopted a Winter Maintenance Procedures in accordance with MCM #6 that has been implemented in the MS4 regulated area. The Strafford County Complex Winter Maintenance Procedures can be found in the SWMP.

BMP: Permittee Owned Facilities Inventory

All permittee owned facilities, including inventory, are included in our SWMP. There were no changes to report during Year 3.

BMP: O&M Programs And Procedures For Permittee-Owned Properties

O&M programs for all permittee owned facilities were completed in Year 2 are included in the SWMP. All maintenance procedures have been implemented for permittee owned facilities in accordance with O&M programs.

BMP: Permittee Owned Treatment Structures

The Strafford County campus has two detention ponds designed to collect stormwater runoff from catch basins. These are inspected twice a year in the spring and fall.

BMP: SWPPP (due year 3)

SWPPPs were developed in Year 2, consistent with the NOI and permit requirements, for the following facilities: maintenance garages, sand & salt storage, waste transfer containers and other locations where pollutants are exposed to stormwater.

BMP: Stormwater Treatment Structures Inspection and Maintenance Procedures

The Strafford County Complex has completed the inventory and inspected municipally owned BMPs. Maintenance is carried out in accordance with the procedures outlined in the SWMP.

TMDL's and Water Quality Limited Waters

Bacteria/Pathogens

Outfalls to these receiving waters have been ranked as low priority for the IDDE implementation in the outfall ranking. Dry and wet weather screening did not identify illicit discharges. Enhanced BMP's have been implemented in accordance with the SWMP.

Additional Required Information

Monitoring or Study Results

No additional monitoring or studies were completed.

Description of Any Changes in Identified BMPs or Measurable Goals

The Strafford County Complex has implemented activities in accordance with the permit and outlined in the SWMP. BMPs and measurable goals outlined in the SWMP are appropriate.

Activities for the Next Reporting Cycle

The Strafford County Complex will continue to implement activities in accordance with the permit and SWMP.