

Stormwater Management Program (SWMP)

City of Dover, NH

Permit Year 1

EPA NPDES Permit Number NHR041000

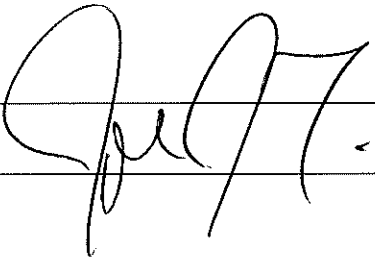
Certification

“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

J. Michael Joyal, City Manager

Signature



Date

9/30/2019

Background

Stormwater Regulation

The Stormwater Phase II Final Rule was promulgated in 1999 and was the next step after the 1987 Phase I Rule in EPA's effort to preserve, protect, and improve the Nation's water resources from polluted stormwater runoff. The Phase II program expands the Phase I program by requiring additional operators of MS4s in urbanized areas and operators of small construction sites, through the use of NPDES permits, to implement programs and practices to control polluted stormwater runoff. Phase II is intended to further reduce adverse impacts to water quality and aquatic habitat by instituting the use of controls on the unregulated sources of stormwater discharges that have the greatest likelihood of causing continued environmental degradation. Under the Phase II rule all MS4s with stormwater discharges from Census designated Urbanized Area are required to seek NPDES permit coverage for those stormwater discharges.

Permit Program Background

On May 1, 2003, EPA Region 1 issued its Final General Permit for Stormwater Discharges from Small Municipal Separate Storm Sewer Systems (2003 small MS4 permit) consistent with the Phase II rule. The 2003 small MS4 permit covered "traditional" (i.e., cities and towns) and "non-traditional" (i.e., Federal and state agencies) MS4 Operators located in the states of Massachusetts and New Hampshire. This permit expired on May 1, 2008 but remained in effect until operators were authorized under the 2016 MS4 general permit, which became effective on July 1, 2018.

Stormwater Management Program (SWMP)

The SWMP describes and details the activities and measures that will be implemented to meet the terms and conditions of the permit. The SWMP accurately describes the permittees plans and activities. The document should be updated and/or modified during the permit term as the permittee's activities are modified, changed or updated to meet permit conditions during the permit term. The main elements of the stormwater management program are (1) a public education program in order to affect public behavior causing stormwater pollution, (2) an opportunity for the public to participate and provide comments on the stormwater program (3) a program to effectively find and eliminate illicit discharges within the MS4 (4) a program to effectively control construction site stormwater discharges to the MS4 (5) a program to ensure that stormwater from development projects entering the MS4 is adequately controlled by the construction of stormwater controls, and (6) a good housekeeping program to ensure that stormwater pollution sources on municipal properties and from municipal operations are minimized.

Small MS4 Authorization

The NOI was submitted on

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

Authorization to Discharge under the 2017 NH Small MS4 General Permit was granted on

The Authorization Letter can be found (document name or web address):

Stormwater Management Program Team

SWMP Team Coordinator:

Position/Title: John Storer, PE
Director of Community Services
(603) 516-6450
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SWMP Team:

Position/Title: Bill Boulanger
Deputy Director of Community Services
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Position/Title: Gretchen Young, PE
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Receiving Waters

The list of receiving waters, impairments and number of outfalls discharging to each waterbody segment has been included in the Notice of Intent.

Eligibility: Endangered Species and Historic Properties

Endangered Species and Historic Properties eligibility information has been included in the Notice of Intent.

MCM 1
Public Education and Outreach
Permit Part 2.3.2

Requirement Year 1

BMP: Grass and Fertilizer

Description:	Launch an outreach campaign based on Dover's use of steam as a chemical free means of performing municipal weed control. https://www.seacoastonline.com/news/20190601/dover-creates-steam-machine-to-kill-curb-side-weeds
Targeted Audience:	Residential &/or Business
Responsible Department/Parties:	Community Services
Measurable Goal(s):	To have article printed in one local newspaper and shared over social media by at least three other organizations.
Message Date:	June 1, 2019

BMP: Petwaste Disposal

Description:	Pass out brochures and information promoting proper pet waste management, impacts of improper management, and disposal requirements at the City of Dover Apple Harvest Day event. Have residence pledge to properly dispose of pet waste and enter to win high-quality pet waste collector (poop-scoop) and gift certificate for pet grooming at local pet store.
Targeted Audience:	Pet Owners
Responsible Department/Parties:	Community Services Department
Measurable Goal(s):	Approximately 20,000 people attend Apple Harvest Day. A total of 76 people signed a pledge to follow proper pet waste protocol.
Message Date:	Summer, time of license renewal, other

BMP: Disposal of Leaf and Grass Clippings

Description:	Pass out leaf and debris brochures and information promoting the use of curbside yard waste collection program at the City of Dover Apple Harvest Day event. Have residents pledge to properly dispose of leaf and grass clippings and enter to win a high-quality rake and yard waste bags.
Targeted Audience:	Residential &/or Business
Responsible Department/Parties:	Community Services Department
Measurable Goal(s):	Approximately 20,000 people attend Apple Harvest Day. A total of 50 people signed a pledge to follow proper yard waste removal protocol.
Message Date:	Fall

BMP: Septic System Maintenance

Description: Distribute and promote brochure, directing to website to educate New Hampshire homeowners with septic systems on how to identify, locate and maintain those systems at the City of Dover Apple Harvest Day event. 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

Responsible Department/Parties: Community Services Department

Measurable Goal(s): Count the number of reconstructed or eliminated septic systems.

Message Date: Fall

Requirement Year 2

BMP: Grass and Fertilizer

Description: TBD

Targeted Audience: Residential &/or Business

Responsible Department/Parties: Community Services Department

Measurable Goal(s): TBD

Message Date: Spring

BMP: Petwaste Disposal

Description: Distribute Every Drop pet waste brochures with each dog license issued.

Targeted Audience: Pet Owners

Responsible Department/Parties: City Clerk & Community Services Department

Measurable Goal(s): Track the number of residents who log in and take the pledge to Scoop the Poop.

Message Date: Spring

BMP: Disposal of Leaf and Grass Clippings

Description: Pass out leaf and debris brochures and information promoting the use of curbside yard waste collection program at the City of Dover Apple Harvest Day event. Have residents pledge to properly dispose of leaf and grass clippings and enter to win a high-quality rake and yard waste bags.

Targeted Audience: Residential &/or Business

Responsible Department/Parties: Community Services Department

Measurable Goal(s): Increase the number of residents who take the pledge

Message Date: Fall

BMP: TBD

Description: TBD

Targeted Audience: Developer/Construction

Responsible Department/Parties:

Measurable Goal(s): TBD

Message Date: Fall

BMP: Septic System Maintenance

Description: Distribute and promote brochure, directing to website to educate New Hampshire homeowners with septic systems on how to identify, locate and maintain those systems at the City of Dover Apple Harvest Day event. 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

Responsible Department/Parties: Community Services Department

Measurable Goal(s): Count the number of reconstructed or eliminated septic systems.

Message Date: Fall

Requirement Year 3

BMP: Grass and Fertilizer

Description: TBD

Targeted Audience: Residential &/or Business

Responsible Department/Parties:

Measurable Goal(s): TBD

Message Date: Spring

BMP: Petwaste Disposal

Description: TBD

Targeted Audience: Pet Owners

Responsible Department/Parties:

Measurable Goal(s): TBD

Message Date: TBD

BMP: Disposal of Leaf and Grass Clippings

Description: TBD

Targeted Audience: Residential &/or Business

Responsible Department/Parties:

Measurable Goal(s): TBD

Message Date: Fall

BMP: TBD

Description: TBD

Targeted Audience: Industrial

Responsible Department/Parties:

Measurable Goal(s): TBD

Message Date: Fall

BMP: Septic System Maintenance

Description: TBD
Targeted Audience: Septic System Owners
Responsible Department/Parties: Community Services Department
Measurable Goal(s): TBD
Message Date: Fall

Requirement Year 4

BMP: Grass and Fertilizer

Description: TBD
Targeted Audience: Residential &/or Business
Responsible Department/Parties:
Measurable Goal(s): TBD
Message Date: Spring

BMP: Petwaste Disposal

Description: TBD
Targeted Audience: Pet Owners
Responsible Department/Parties:
Measurable Goal(s): TBD
Message Date: TBD

BMP: Disposal of Leaf and Grass Clippings

Description: TBD
Targeted Audience: Residential &/or Business
Responsible Department/Parties:
Measurable Goal(s): TBD
Message Date: Fall

BMP: TBD

Description: TBD
Targeted Audience: Developer/Construction
Responsible Department/Parties:
Measurable Goal(s): TBD
Message Date: Fall

BMP: Septic System Maintenance

Description: TBD
Targeted Audience: Septic System Owners
Responsible Department/Parties: Community Services Department
Measurable Goal(s): TBD
Message Date: Fall

Requirement Year 5

BMP: Grass and Fertilizer

Description: TBD
Targeted Audience: Residential &/or Business
Responsible Department/Parties:
Measurable Goal(s): TBD
Message Date: Spring

BMP: Petwaste Disposal

Description: TBD
Targeted Audience: Pet Owners
Responsible Department/Parties:
Measurable Goal(s): TBD
Message Date: TBD

BMP: Disposal of Leaf and Grass Clippings

Description: TBD
Targeted Audience: Residential &/or Business
Responsible Department/Parties:
Measurable Goal(s): TBD
Message Date: Fall

BMP: TBD

Description: TBD
Targeted Audience: Industrial
Responsible Department/Parties:
Measurable Goal(s): TBD
Message Date: Fall

BMP: Septic System Maintenance

Description: TBD
Targeted Audience: Septic System Owners
Responsible Department/Parties: Community Services Department
Measurable Goal(s): TBD
Message Date: Fall

MCM 2
Public Involvement and Participation
Permit Part 2.3.3

BMP: Public Review of Stormwater Management Program

Location of Plan and/or Web Address:

<https://www.dover.nh.gov/government/city-operations/planning/stormwater/index.html>

Responsible Department/Parties: Community Services Department

Measurable Goal(s): Stormwater Management Plan is publicly available

BMP: Public Participation in Stormwater Management Program Development

Description: Review the Stormwater Management Program annually at the Dover Utilities Commission.

Responsible Department/Parties: Community Services Department.

Measurable Goal(s): Annual public input provided

MCM 3
Illicit Discharge Detection and
Elimination (IDDE) Program
Permit Part 2.3.4

BMP: IDDE Legal Authority

See Illicit Discharge Detection and Elimination (IDDE) Plan

BMP: Sanitary Sewer Overflow (SSO) Inventory

See Illicit Discharge Detection and Elimination (IDDE) Plan

BMP: Map of Storm Sewer System

See Illicit Discharge Detection and Elimination (IDDE) Plan

BMP: IDDE Program

See Illicit Discharge Detection and Elimination (IDDE) Plan

BMP: Employee Training

See Illicit Discharge Detection and Elimination (IDDE) Plan

MCM 4
Construction Site Stormwater Runoff Control
Permit Part 2.3.5

BMP: Sediment and Erosion Control Ordinance

Completed (by May 1, 2008)

Ordinances Link or Reference:

Section 149-19 A.3 (d) of the City of Dover Site Review Regulations and the City of Dover, New Hampshire, Community Services - Construction Guidelines, Permits, Rules and Regulations (<https://www.dover.nh.gov/government/city-operations/community-services/index.html>)

Department Responsible for Enforcement:

Community Services Department through inspections, ultimately Planning Department through revoking approved Site Plan Approval if approved practices are not being followed.

BMP: Site Plan Review Procedures

Written procedures completed (by year 1)

Document Name and/or Web Address:

Section 149-4 of the City of Dover Site Review Regulations outlines applicability and review process.

Department Responsible for Enforcement:

The Planning Department initiates the review process. Review for stormwater related items is conducted by a representative from the Community Services (engineering) Department.

Description:

Review proposed projects to ensure adherence to the established applicable regulations.

Measurable Goal(s):

Conduct site plan review of 100% of projects according to the procedures outlined above.

BMP: Site Inspections and Enforcement of Sediment and Erosion Control Measures Procedures

Completed (by year 1)

Document Name and/or Web Address:

Section 149-19 (d) of the City of Dover Site Review Regulations and the City of Dover, New Hampshire, Community Services - Construction Guidelines, Permits, Rules and Regulations (<https://www.dover.nh.gov/government/city-operations/community-services/index.html>)

Department Responsible for Enforcement:

Community Services Department through inspections, ultimately Planning Department through revoking approved Site Plan Approval if approved practices are not being followed.

Description:

Inspect construction sites to ensure adherence to the established applicable regulations.

Measurable Goal(s):

Inspect 100% of construction sites as outlined in the above document and take enforcement actions as needed.

MCM 5

Post Construction Stormwater Management in New Development and Redevelopment

Permit Part 2.3.6

BMP: Post-Construction Ordinance

Completed (by year 2)

Town Ordinances Link or Reference:

Department Responsible for Enforcement:

BMP: Street Design and Parking Lot Guidelines Report

Completed (by year 4)

Document Name and/or Web Address:

Department Responsible for Enforcement:

Description: The Planning Department and Community Services (engineering) Department.

Measurable Goal(s): Recommendations are implemented by year 4 with progress reported annually.

BMP: Green Infrastructure Report

Completed (by year 4)

Document Name and/or Web Address:

Department Responsible for Enforcement:

Description:

Measurable Goal(s): Recommendations are implemented by year 4 with progress reported annually.

BMP: List of Municipal Retrofit Opportunities

Completed (by year 4)

Document Name and/or Web Address:

Department Responsible for Enforcement:

Description:

Measurable Goal(s): The list is completed by year 4 and updated as needed.

MCM 6
Good Housekeeping and Pollution
Prevention for Permittee Owned Operations
Permit Part 2.3.7

PERMITTEE OWNED FACILITIES

BMP: Parks and Open Spaces Operations and Maintenance Procedures

Written Document Completed (by year 2)

Document Name and/or Web Address:

Responsible Department/Parties:

Description: Establish procedures to address the proper use, storage, and disposal of pesticides, herbicides, and fertilizers (PHF) including minimizing the use of these products in accordance with Section 2.3.7.1.a of the MS4 permit.

Measurable Goal(s): Implement the SOP on 100% of the parks and open spaces.

BMP: Buildings and Facilities Operations and Maintenance Procedures

Written Document Completed (by year 2)

Document Name and/or Web Address:

Responsible Department/Parties:

Description: Evaluate the use, storage, and disposal of petroleum products and other potential stormwater pollutants. Provide employee training as necessary, ensure that Spill Prevention Plans are in place. Develop management procedures for dumpsters and other waste management equipment. Sweep lots and areas surrounding the facilities clean to reduce runoff of pollutants in accordance with Section 2.3.7.1 b. of the MS4 permit.

Measurable Goal(s): Implement the SOP on 100% of buildings and facilities.

BMP: Vehicles and Equipment Operations and Maintenance Procedures

Written Document Completed (by year 2)

Document Name and/or Web Address:

Responsible Department/Parties:

Description: Establish procedures for the storage of permittee vehicles. Vehicles with fluid leaks shall be stored indoors or containment shall be provided. Evaluate fueling areas owned by the permittee or used by permittee vehicles. Establish procedures to ensure that vehicle wash waters are not discharged to municipal stormdrains or surface waters.

Measurable Goal(s): Implement the SOP on 100% of vehicles and equipment.

INFRASTRUCTURE

BMP: Catch Basin Cleaning Program

Written Document Completed (by year 1)

Document Name and/or Web Address:

Responsible Department/Parties:

Description:

The City of Dover performs routine inspections, cleaning and maintenance of approximately 3,075 catchbasins that are located within the MS4 regulated area. The city will implement the following catch basin inspection and cleaning procedures to reduce the discharge of pollutants from the MS4..

- Routine inspection and cleaning of catch basins. Catch basins should be cleaned such that they are no more than 50 percent full at any time. The city has inspected all catchbasins and established a schedule of bi-annual inspection and cleaning to meet the “50 percent” goal.
- If a catch basin sump is more than 50 percent full during two consecutive routine inspections or cleaning events, the finding will be documented, the contributing drainage area will be investigated for sources of excessive sediment loading, and to the extent practicable, contributing sources will be addressed. If no contributing sources are found, the inspection and cleaning frequency will be increased.
- Catch basins located near construction activities (roadway construction, residential, commercial, or industrial development or redevelopment) will be inspected and cleaned more frequently if inspection and maintenance activities indicate excessive sediment or debris loadings (i.e., catch basins more than 50 percent full). Priority will also be given to catch basins that discharge to impaired waters.
- The following information will be included in each annual report:
 - Any action taken in response to excessive sediment or debris loadings
 - Total number of catch basins
 - Number of catch basins inspected
 - Number of catch basins cleaned
 - Total volume or mass of material removed from catch basins.

Measurable Goal(s): All catch basins are cleaned in accordance to the document above such that no catch basin is more than 50% full at any given time.

BMP: Street Sweeping Program

Written Document Completed (by year 1)

Document Name and/or Web Address:

Responsible Department/Parties:

Description:

The City of Dover will implement the following street and parking lot sweeping procedures to reduce the discharge of pollutants from the MS4:

- All streets with the exception of rural uncurbed roads with no catch basins or high-speed limited access highways will be swept and/or cleaned a minimum of once per year in the spring (following winter activities such as sanding).
- More frequent sweeping will be considered for targeted areas based on pollutant load reduction potential, inspections, pollutant loads, catch basin cleaning or inspection results, land use, impaired waters, or other factors.
- More frequent sweeping is required for municipally-owned streets and parking lots in areas that discharge to certain nutrient-impaired waters. Sweeping must be performed in these areas a minimum of two times per year, once in the spring (following winter activities such as sanding) and at least once in the fall (Sept 1 – Dec 1; following leaf fall)
- For rural uncurbed roadways with no catch basins and limited access highways, the city will either meet the minimum frequencies above, or develop and implement an inspection, documentation, and targeted sweeping plan outlining reduced frequencies within two (2) years of the effective date of the permit and submit such plan with its year one annual report.
- The following information will be included in each annual report:
 - Number of miles cleaned, or the volume or mass of material removed

Measurable Goal(s):

Annually sweep 100% of all streets and municipal parking lots in accordance with the schedule listed above.

BMP: Winter Road Maintenance Program

Written Document Completed (by year 1)

Document Name and/or Web Address:

Process is outlined in this SWMP document.

Responsible Department/Parties:

Community Services Department

Description:

The City of Dover will implement the following winter maintenance procedures to reduce the discharge of pollutants from the MS4:

- Minimize the use and optimize the application of sodium chloride and other salt (while maintaining public safety) and consider opportunities for use of alternative materials.
- Optimize sand and/or chemical application rates through the use, where practicable, of automated application equipment (e.g., zero velocity spreaders), anti-icing and pre-wetting techniques, implementation of pavement management systems, and alternate chemicals. Maintain records of the application of sand, anti-icing and/or de-icing chemicals to document the reduction of chemicals to meet established goals.
- Prevent exposure of deicing product (salt, sand, or alternative products) storage piles to precipitation by enclosing or covering the storage piles. Implement good housekeeping, diversions, containment or other measures to minimize exposure resulting from adding to or removing materials from the pile. Store piles in such a manner as not to impact surface water resources, groundwater resources, recharge areas, and wells

- Provide training for municipal employees on winter roadway maintenance procedures.

Measurable Goal(s): Evaluate at least one salt/chloride alternative for use in the municipality.

BMP: Stormwater Treatment Structures Inspection and Maintenance Procedures

Written Document Completed (by year 1)

Document Name and/or Web Address:

Responsible Department/Parties:

Description: Structural stormwater BMPs will be inspected annually at a minimum and maintained as needed.

Measurable Goal(s): Inspect and Maintain 100% of treatment structures to ensure property function.

BMP: SWPPP

Written Document Completed (by year 2)

Document Name and/or Web Address:

Responsible Department/Parties:

Description: Develop and implement a SWPPP for all municipally owned or operated facilities in accordance with Section 2.3.7.2 of the MS4 permit.

Measurable Goal(s): Develop and implement SWPPP's for 100% of municipally owned facilities.

Annual Evaluation

Year 1 Annual Report

Document Name and/or Web Address:

Will be posted on the EPA website. Link to website to be included once completed.

Year 2 Annual Report

Document Name and/or Web Address:

Will be posted on the EPA website. Link to website to be included once completed.

Year 3 Annual Report

Document Name and/or Web Address:

Will be posted on the EPA website. Link to website to be included once completed.

Year 4 Annual Report

Document Name and/or Web Address: TBD

Will be posted on the EPA website. Link to website to be included once completed.

Year 5 Annual Report

Document Name and/or Web Address: TBD

Will be posted on the EPA website. Link to website to be included once completed.

Year X Annual Report

Document Name and/or Web Address: TBD

Will be posted on the EPA website. Link to website to be included once completed.

TMDLs and Water Quality Limited Waters

Bacteria/Pathogens

Combination of Impaired Waters Requirements and TMDL Requirements as Applicable

Applicable Receiving Waterbody(ies) as listed in applicable 303d list			Name
NHEST600030406-01	E*01	SALMON FALLS RIVER	Enterococcus
			Fecal Coliform
NHEST600030608-01	E*01	COCHECO RIVER	Enterococcus
			Fecal Coliform
NHEST600030903-01-01	E*01-01	BELLAMY RIVER NORTH	Fecal Coliform
NHEST600030903-01-03	E*01-03	BELLAMY RIVER SOUTH CLEMENT POINT	Fecal Coliform
NHEST600030903-01-04	E*01-04	BELLAMY RIVER SOUTH	Fecal Coliform
NHEST600030904-06-15	E*06-15	LOWER LITTLE BAY GENERAL SULLIVAN BRIDGE	Fecal Coliform
NHEST600030904-06-18	E*06-18	LOWER LITTLE BAY	Fecal Coliform
NHEST600031001-01-01	E*01-01	UPPER PISCATAQUA RIVER- NH-NORTH	Fecal Coliform
NHEST600031001-01-03	E*01-03	UPPER PISCATAQUA RIVER- NH-SOUTH	Fecal Coliform
NHIMP600030903-02	I*02	BELLAMY RIVER - SAWYERS MILL DAM POND	Escherichia coli
NHLAK600030405-03	L*03	WILLAND POND	Escherichia coli
NHLAK600030608-01	L*01	FRESH CREEK POND	Escherichia coli
NHRIV600030608-02	R*02	BLACKWATER BROOK- CLARK BROOK	Escherichia coli
NHRIV600030608-03	R*03	COCHECO RIVER - UNNAMED BROOK	Escherichia coli
NHRIV600030608-04	R*04	REYNERS BROOK	Escherichia coli
NHRIV600030608-05	R*05	COCHECO RIVER	Escherichia coli
NHRIV600030608-06	R*06	INDIAN BROOK	Escherichia coli
NHRIV600030608-11	R*11	FRESH CREEK	Escherichia coli
			Escherichia coli
NHRIV600030608-14	R*14	UNNAMED TRIB. TO COCHECO RIVER, DOVER (FROM LANDFILL)	Escherichia coli
NHRIV600030608-16	R*16	JACKSON BROOK	Escherichia coli
NHRIV600030902-13	R*13	JOHNSON CREEK - GERRISH BROOK	Escherichia coli
NHRIV600030903-08	R*08	BELLAMY RIVER - KELLY BROOK - KNOX MARSH BROOK	Escherichia coli

NHRIV600030903-09	R*09	BELLAMY RIVER - UNNAMED BROOK	Escherichia coli
NHRIV600030903-11	R*11	VARNEY BROOK - CANNEY BROOK	Escherichia coli
			Escherichia coli
NHRIV600030903-13	R*13	GARRISON BROOK	Escherichia coli

Annual Requirements Beginning Year 1

Rank outfalls to these receiving waters as high priority for IDDE implementation in the initial outfall ranking (see IDDE Plan for ranking)

Annual message encouraging the proper management of pet waste, including noting any existing ordinances where appropriate as outlined in this SWMP

Nitrogen Impairment

Applicable Receiving Waterbody(ies) as listed in applicable 303d list			Name
NHEST600030406-01	E*01	SALMON FALLS RIVER	Nitrogen
			Nitrogen (Total)
NHEST600030608-01	E*01	COCHECO RIVER	Nitrogen
			Nitrogen (Total)

Annual Requirements Beginning Year 1

Rank outfalls to these receiving waters as high priority for IDDE implementation in the initial outfall ranking (See IDDE Plan for ranking).

Distribute an annual message that encourages the proper use and disposal of grass clippings and encourages the proper use of slow-release fertilizers as outlined in this SWMP.

Distribute an annual message encouraging the proper management of pet waste, including noting any existing ordinances where appropriate as outlined in this SWMP.

Distribute an annual message encouraging the proper disposal of leaf litter as outlined in this SWMP.

Establish requirements for the use of slow release fertilizers on permittee owned property currently using fertilizer, in addition to reducing and managing fertilizer use as provided in part 2.3.7.1.

Establish procedures to properly manage grass cuttings and leaf litter on permittee property, including prohibiting blowing organic waste materials onto adjacent impervious surfaces.

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) as included in this SWMP.

Any structural BMPs listed in Table 3 of Attachment 1 to Appendix H already existing or installed in the regulated area by the permittee or its agents shall be tracked and the permittee shall estimate the nitrogen removal by the BMP consistent with Attachment 1 to Appendix H.

Requirements Due by Year 2

The requirement for adoption/amendment of the permittee's ordinance or other regulatory mechanism shall include a requirement that new development and redevelopment stormwater management BMPs be optimized for nitrogen removal.

Requirements Due by Year 4

Complete a Nitrogen Source Identification Report.

The document name (if attached) and/or web address is/are: TBD

Retrofit inventory and priority ranking under 2.3.6.1.b. shall include consideration of BMPs to reduce nitrogen discharges.

Requirements Due by Year 5

Evaluate all permittee-owned properties identified as presenting retrofit opportunities or areas for structural BMP installation under Permit part 2.3.6.d.ii or identified in the Nitrogen Source Identification Report that are within the drainage area of the impaired water or its tributaries.

Complete a listing of planned structural BMPs and a plan and schedule for implementation.

Solids, Oil and Grease (Hydrocarbons), or Metals Impairments

Applicable Receiving Waterbody(ies) as listed in applicable 303d list		Name	
NHEST600030608-01	E*01	COCHECO RIVER	Benzo(a)pyrene (PAHs)
NHRIV600030608-14	R*14	UNNAMED TRIB. TO COCHECO RIVER, DOVER (FROM LANDFILL)	Iron

Annual Requirements Beginning Year 1

Rank outfalls to these receiving waters as high priority for IDDE implementation in the initial outfall ranking (See IDDE Plan for ranking).

Increase street sweeping frequency of all municipal owned streets and parking lots to a schedule to target areas with potential for high pollutant loads as prescribed by this SWMP.

Prioritize inspection and maintenance for catch basins to ensure that no sump shall be more than 50 percent full; Clean catch basins more frequently if inspection and maintenance activities indicate excessive sediment or debris loadings as prescribed by this SWMP.

Requirements Due by Year 2

Stormwater management systems designed on commercial and industrial land use area draining to the water quality limited water body shall incorporate designs that allow for shutdown and containment where appropriate to isolate the system in the event of an emergency spill or other unexpected event.

Chloride Impairment

Applicable Receiving Waterbody(ies) as listed in applicable 303d list			Name
NHRIV600030608-06	R*06	INDIAN BROOK	Chloride
NHRIV600030608-15	R*15	BERRY BROOK	Chloride

Annual Requirements Beginning Year 1

Rank outfalls to these receiving waters as high priority for IDDE implementation in the initial outfall ranking (See IDDE Plan for ranking).

Requirements Due by Year 3

Develop a Salt Reduction Plan.

Requirements Due by Year 4

Continue implementation of the Salt Reduction Plan.

Requirements Due by Year 5

Fully implement the Salt Reduction Plan.