

TOWN OF NEWBURY

STORMWATER MANAGEMENT PROGRAM

**U.S. ENVIRONMENTAL PROTECTION AGENCY
GENERAL PERMIT FOR STORMWATER DISCHARGES
FROM SMALL MUNICIPAL
SEPARATE STORM SEWER (MS4) SYSTEMS**

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EXECUTIVE SUMMARY

TOWN OF NEWBURY STORMWATER MANAGEMENT PROGRAM

Stormwater runoff from roads, parking lots, roofs, lawns, industrial sites, and virtually any horizontal surface is now the source of approximately seventy percent (70%) of pollution in the United States' rivers, lakes and streams.

To this end the EPA, under the Clean Water Act, grants permits to certain communities to discharge stormwater into their waters. One of the conditions of this permit is the preparation of a "Stormwater Management Program", which details just how the community plans on adhering to the conditions of the permit.

There are six classes of required activities, called "Minimum Control Measures"; (MCM) which are described below, as well as a description of how the Town intends to respond to the individual requirements, as well as "measurable goals", so our progress can be reported objectively to the EPA.

The portions of Newbury to which this program applies is delineated on the next page.

MS4 PERMIT

COMPLIANCE RESPONSIBILITIES

The Board of Selectmen have delegated overall responsibility of the IDDE program to the Town Administrator. The Town Administrator in turn, has delegated operational responsibility and day to day supervision to the Director of Public Works. The following table enumerates the responsibilities of the various Town departments.

IDDE Enforcement Authority
Under the Stormwater By-Law

Conservation Commission

General supervision of the MS4
Program

Tracy Blais
Town Administrator

Day to day supervision of the MS4
program and reporting; Responsible
for all aspects of MS4 Permit compliance

James Sarette
DPW Director

Enforcement Authority for SSOs

James Sarette
DPW Director

(working through the Director of the Newburyport Department of Public Services)

Enforcement Authority for septic
systems

Board of Health

Enforcement Actions

Town Counsel
Lisa Mead, Esq.

SECTION ONE

Minimum Control Measure No. 1

Public Education and Outreach

The permit requires that at least two informational messages be given to each of four target audiences during the five-year term of the permit. These audiences are:

1. Residents in general – Issues relating to home ownership
2. Businesses, Institutions (Churches, Hospitals, Schools) and Commercial Facilities
3. Developer and/or Construction Contractors
4. Industrial Facilities (of which there are none in the Town of Newbury MS4 region)

Description of Public Education and Outreach BMP's per Target Audiences

1. Residents

The following educational materials will be distributed on a continuing basis.

BMP #1-1: Pet waste brochures distributed by the Town Clerk and Police Department to residents seeking dog licenses.

BMP #1-2: Hazardous household materials handouts distributed to residents using the Town Transfer Station, by the Board of Health.

BMP #1-3: Stormwater management messages on the Town website

The following educational materials will be delivered at least twice during the five-year term of the permit:

BMP #1-4: An article in the local newspaper describing the effects on the environment of some pollutants commonly found in stormwater runoff

BMP #1-5: Septic System care brochures distributed at Town buildings (Town Hall, Library, etc.)

2. Businesses, Institutions and Commercial Facilities

BMP #1-6: Speech at local Rotary Club luncheon meeting

BMP #1-7: Speech at local Chamber of Commerce meeting

3. Developers and/or Construction Contractors

BMP #1-8: A written description of the goals of the MS4 program sent out electronically to members of the Greater Newburyport Board of Realtors

BMP #1-9: Brochures regarding erosion control and construction site good housekeeping will be handed out to all contractors who apply for and receive a building permit, and all recipients of orders of conditions and determinations of applicability, site review approvals and subdivision approvals.

4. There are no industrial facilities in the Newbury MS4 area, so no public education is planned.

Measurable Goal - Number of stormwater awareness questionnaires returned. A link for these questionnaires will be sent out with tax bills, with the request that taxpayers respond electronically. The questionnaire seeks to determine citizens' awareness of stormwater management and illicit discharge issues.

These minimum control measures will be implemented in conformance with Section 2.3.2 of the Permit.

SECTION II

Minimum Control Measure No 2

Public Involvement

Beyond specific public education measures, it is the Town's intention to involve as many citizens as possible in the activities required by the permit.

BMP #2-1: Form a stormwater advisory task force. This committee will be made up of primarily volunteers with a knowledge of or interest in water quality issues. During the last seven years of the 2003 permit, the program was being managed by volunteers, and a "stormwater management team" was formed to provide guidance to the volunteers. This team was made up largely of full-time town employees.

Measurable Goal: Form the task force.

BMP #2-2: Comply with state public notification guidelines in MGL Chapter 30A, Section 18-25. Advisory task force meetings will be open to the public, and will be publicly advertised.

Public Hearings are planned for the Notice of Intent, the Stormwater Management Program, the Illicit Discharge Detection and Elimination Plan, and the Municipal Stormwater Pollution Prevention Plan.

BMP #2-3: The Board of Selectmen will be briefed at a televised meeting, annually, on the progress and the activities underway in compliance with the permit. Public hearings will be held for any significant changes to various published plans and programs.

Measurable Goal: Accomplishment of the above measures

These minimum control measures will be implemented in conformance with Section 2.3.3 of the Permit

SECTION III

Minimum Control Measure No 3

Illicit Discharge Detection and Elimination Program

BMP #3-1: Maintain and update the Stormwater and Illicit Discharge By-law and related Rules and Regulations.

BMP #3-2: Expand the map of the stormwater collection system to include municipally-owned stormwater treatment systems and latitude and longitude coordinates of all outfalls. The present map is on paper; the revised map will be electronic.

BMP #3-3: Publish a written Illicit Discharge Detection and Elimination Program, including details of monitoring and testing procedures. This will describe assessment and priority ranking procedures for outfall monitoring, procedures of outfall inspection for physical condition and dry-weather flow

BMP #3-4: The Town has engaged the Merrimack Valley Planning Commission to develop a mobile app to assist in producing an electronic map of the stormwater collection system. This map will show outfall locations, detention basins, interconnections with Newburyport's system and catchment boundaries. This app will also serve as a recording mechanism for the condition of system components, testing results, and catch basin sump deposit depths.

The Illicit Discharge Detection and Elimination Program will include inspection for as dry-weather flow as well as testing, as well as catchment investigations which include testing of wet-weather flow.

Measurable Goal: Accomplishment of sampling, testing and reporting as required, and elimination of illicit discharges detected.

These minimum control measures will be implemented in conformance with Section 2.3.4 of the Permit

SECTION IV

Minimum Control Measure No 4

Construction Site Stormwater Runoff Control

BMP #4-1: Site Inspection and Enforcement. Inspection of construction sites for adherence to the stormwater management, illicit discharge and erosion control will be done by the Conservation Agent.

BMP #4-2: A Stormwater Management, Illicit Discharge and Erosion Control Rules and Regulations document is already in place, authorized by a by-law passed at Town Meeting. It will be updated from time to time as required revisions become apparent. Authority and enforcement provisions are clearly defined. An early update will be to strengthen provisions regarding management of solid waste.

BMP #4-3: Projects involving soil disturbance town-wide are required to submit a sedimentation and erosion control program to the Planning Board as part of the Subdivision Control and Site Plan Review regulations of the Planning Board. Also, the above-mentioned Stormwater Management, Illicit Discharge and Erosion Control Rules and Regulations are in force for all projects over an acre town-wide.

BMP #4-4: A procedure with a check off list detailing the duties of the MS4 Conformance Inspectors and specific expectations for construction site protocol is in place. This is included in the 'Miscellaneous Items' section.

The BMP's will be implemented in conformance with Section 2.3.5 of the Permit.

Measurable Goal: Accomplishment of above measures.

SECTION V

Minimum Control Measure No 5

Post-Construction Stormwater Management in New Development and Redevelopment

The purpose of this section is to assure that Town Rules and Regulations support proper stormwater management best management practices.

BMP #5-1: The Planning Board currently requires that record drawings be provided for subdivisions, but not for projects covered by site plan review. The Stormwater Rules and Regulations* do not require record drawings. The Subdivision Rules and Regulations language needs to be revised to be more inclusive and the other two documents must be revised to include this requirement. This must be completed by July 1, 2020.

*The official title of this document is "Town of Newbury Stormwater Management Illicit Discharge and Erosion Control Rules and Regulations".

BMP #5-2: The Stormwater Rules and Regulations presently require that green infrastructure be used for all new projects, and that gray infrastructure be used only as a last resort. Periodic reviews of stormwater, subdivision and site plan review rules and regulations are necessary in order to improve stormwater management effectiveness. The Massachusetts Stormwater Handbook is currently referenced.

BMP #5-3: By July 1, 2022, the Town will prepare a report on town regulations which affect impervious cover, with a view towards revising said regulations to minimize requirements for impervious cover. The recommendations contained in this report will be implemented by the Planning Board.

BMP #5-4: By July 1, 2022, the Town will prepare a report on town regulations to determine if the following stormwater management practices are allowed:

- A. Green roofs
- B. Rain gardens, curb extensions, planter gardens, porous and permeable pavements
- C. Rain barriers, cisterns, and the use of stormwater for non-potable use

The recommendations contained in this report will be implemented by the appropriate boards.

BMP #5-5: By July 1, 2020 the Town will identify a minimum of five (5) town-owned properties that can be modified or retro-fitted with BMP's designed to reduce the frequency, volume and pollutant loads of stormwater discharges to and from its MS4 through reduction of impervious area. This study will be done in conformance with

the guidelines contained in the permit. As/if these projects are completed, the Town will identify another potential stormwater management retrofit, so there is always a five-project backlog.

Measurable Goal: Accomplishment of the above measures

These BMP's will be implemented in conformance with Section 2.3.6 of the Permit.

SECTION VI

Minimum Control Measure No 6

Municipal Good Housekeeping and Pollution Prevention

BMP #6-1: Create a written procedure for the operation and maintenance of town-owned facilities such as parks, buildings, vehicles and equipment.

Prevention measures against spills and discharges of pollutants shall be developed, and current practices shall be evaluated. This procedure shall be in conformance with Section 2.3.7 of the permit.

Measurable Goal: Completion of the written procedure by July 1, 2020.

BMP #6-2: Inventory town-owned facilities.

Description: Prepare a written inventory of town-owned parks, open space, buildings, vehicles and equipment. This inventory shall be used for annual evaluation of practices with a view toward reducing or eliminating discharge of pollutants, updating spill prevention plans.

Measurable Goal: Complete inventory in a timely manner so that it can be effectively used to prepare the operation and maintenance procedure (described under BMP #6-1, above) by June 30, 2020.

BMP #6-3: Prepare a written MS4 infrastructure operations and maintenance procedure.

Description: This involves actions to assure that the MS4 infrastructure is maintained in an effective and timely manner. This includes such items as inspections of the stormwater system, proper and timely cleaning of catch basins, street sweeping, proper storage and disposal of street sweeping and catch basin cleanings, winter road salt application, and keeping records of repairs to stormwater infrastructure. This document must be in conformance with Sec.2.3.7.8.

Measurable Goal: Complete procedure by July 1, 2020.

BMP #6-4: Create a written stormwater pollution prevention plan.

Description: This plan is a detailed document describing the team who will initiate and update the plan, description and maps of town-owned facilities where potential pollutants are stored or used. Activities shall include protecting materials from the rain, assuring trash containers are closed, frequent sweeping and periodic inspections for leakage of containers. Also required are spill response procedures, erosion control measures, runoff management and salt storage procedures. A schedule of inspections is also required.

Measurable Goal: Complete procedure by June 30, 2020.

BMP #6-5: Catch basin cleaning.

Description: Catch basins where sumps are close to half-full on an annual basis shall be cleaned annually. Other catch basins shall be cleaned semi-annually.

Measurable Goal: Continue present program.

BMP #6-6: Street sweeping program.

Description: All streets are currently swept at least annually. Busier streets, and those with safety issues such as steep gradients, are swept twice per year. This program will continue.

Measurable Goal:

BMP #6-7: Road salt use optimization. The Town will investigate alternatives to current salt use for de-icing.

Measurable Goal: Study complete by June 30, 2020.

These BMP's will be implemented in conformance with Section 2.3.6 of the Permit.

MISCELLANEOUS ITEMS

HISTORIC PROPERTIES

The Town of Newbury is in compliance with Part 1.9.2 of the Permit, by virtue of Criterion A of Appendix D of the Permit.

IDDE PROGRAM

The Town of Newbury Illicit Discharge Detection and Elimination Program is included in the SWMP but published under separate cover.

SURFACE WATER SUPPLIES

There are no surface public drinking water supply sources in the Newbury MS4 area.

STATEMENT REGARDING RECEIVING WATER BODIES

The Town of Newbury does not have any TMDL's. All of our receiving waters require a TMDL and are impaired for fecal coliform according to the most recent 303D list.

STATEMENT REGARDING SANITARY SEWER OVERFLOWS (SSO's)

There have been no SSO's in the Town of Newbury.

STATEMENT REGARDING SURFACE WATER SUPPLIES

There are no surface water supplies or their tributaries in the Newbury MS4.

WINTER ROAD MAINTENANCE PROCEDURE

1. Road salt is stored under cover in a salt/sand shed at the DPW Headquarters.
2. Loaded trucks are always stored under cover.
3. Reduced salt quantities are spread on streets where there have been reports of saline intrusion into wells.

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 person 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.

Tracy Blais

Town Administrator

Signature:  _____

Date: 6/26/19 _____