

Stormwater Management Program (SWMP)

City of Newton, MA

1000 Commonwealth Ave., Newton Centre MA 02459

EPA NPDES Permit Number MAR 041080

Certification

Authorized Representative (Optional): All reports, including SWPPPs, inspection reports, annual reports, monitoring reports, reports on training and other information required by this permit must be signed by a person described in Appendix B, Subsection 11.A or by a duly authorized representative of that person in accordance with Appendix B, Subsection 11.B. If there is an authorized representative to sign MS4 reports, there must be a signed and dated written authorization.

The authorization letter is:

☒ Attached to this document (document name listed below)

Authorized Representative Memo dated 9/12/19

☐ Publicly available at the website below

"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 James McGonagle, Commissioner Department of Public Works

Signature



Date

9/20/19

[Click Here for Revisions](#)

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.

Town Specific MS4 Background (optional)

Newton's stormwater management system is comprised of 320 miles of drainage pipes, 12,750 catch basins, two pump stations, 384 outfalls (some are publicly and privately owned by others (e.g., DCR), 14 miles of streams and 40 culverts (stream crossings beneath a roadway). Stormwater runoff collected by our infrastructure is conveyed to ponds, a lake, intermittent and perennial streams or directly to the Charles River.

Small MS4 Authorization

The NOI was submitted on Sep 28, 2018

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

<https://www3.epa.gov/region1/npdes/stormwater/ma/tms4noi/newton.pdf>

Authorization to Discharge was granted on Mar 5, 2019

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

<https://www3.epa.gov/region1/npdes/stormwater/ma/tms4noi/newton-auth.pdf>

Stormwater Management Program Team

SWMP Team Coordinator

Name	Maria Rose	Title	Environmental Engineer
Department	Dept. of Public Works (DPW), Utilities Division		
Phone Number	617 796-1661	Email	mrose@newtonma.gov
Responsibilities	MS4 Program Manager. Oversees all aspects of the Stormwater Management Program and is responsible for the Public Education and Public Participation BMPs, as well as various aspects of the IDDE Program and Stormwater Pollution Prevention Plans (SWPPPs). Coordinates and assists various departments and DPW divisions to develop written procedures, Standard Operating Procedures (SOPS) and new / updated ordinances related to the MS4 permit. Conducts or procures resources for staff training.		

SWMP Team

Name	Theodore Jerdee	Title	Director of Utilities
Department	DPW, Utilities Division		
Phone Number	617-796-1640	Email	tjerdee@newtonma.gov
Responsibilities	MS4 Program Director. In charge of operations and maintenance of the drainage system, funding the stormwater management program and capital improvement projects. Also responsible for compliance under the City's Illicit Discharge Detection and Elimination (IDDE) Ordinance and Good Housekeeping requirements for the DPW.		

Name	Louis Taverna (or John Daghlian)	Title	City Engineer
Department	Engineering		
Phone Number	617-796-1025	Email	ltaverna@newtonma.gov
Responsibilities	Oversees the City's Engineering Division. In charge of Construction Site Runoff Control (MCM4), Site Plan Reviews, water/sewer/drainage, trench and earthwork permits. His staff oversee the construction of Post Construction Stormwater Management systems (MCM5). Also responsible for compliance with the erosion control ordinance and written procedures for Site Plan Reviews and construction inspections.		

Name	Waneta Trabert	Title	Director, Sustainable Materials Management
Department	DPW Sustainable Materials Management		
Phone Number	617-796-1491	Email	wtrabert@newtonma.gov
Responsibilities	Oversees the residential/municipal trash and recycling collection contract. Manages the household hazardous waste collection program (BMP 2-4 under Public Involvement & Participation). Leads public education efforts on proper waste handling and disposal. Designated SWPPP Inspector for the Resource Recovery Center.		

Name	John Lojek	Title	Commissioner
Department	Inspectional Services Department		
Phone Number	617-796-1064	Email	jlojek@newtonma.gov
Responsibilities	Oversees building permits issued by the Inspectional Services Dept. Distributes public education materials supplied by the MS4 Program Manager and coordinates with team on controlling wastes from construction sites.		

Name	Kyle Simpson	Title	Senior Environmental Specialist
Department	Health Department		
Phone Number	617-796-1430	Email	ksimpson@newtonma.gov
Responsibilities	Manages the list of properties on septic systems. Coordinate with MS4 Program Manager on public education to these property owners.		

Name	David Olson	Title	City Clerk
Department	City Clerk's Office		
Phone Number	617-796-1200	Email	dolson@newtonma.gov
Responsibilities	Manages the City's dog licenses. Distributes public education materials supplied by the MS4 Program Manager.		

Name	James Freas	Title	Deputy Director of Planning
Department	Planning Department		
Phone Number	617-796-1137	Email	jfreas@newtonma.gov
Responsibilities	In charge of Zoning Code Redesign. Coordinates with the MS4 Program Manager for updated erosion control and stormwater management ordinances and review of Complete Streets Policy.		

Name	Jennifer Steel	Title	Senior Environmental Planner
Department	Planning Department		
Phone Number	617-796-1134	Email	jsteel@newtonma.gov
Responsibilities	In charge of the Newton Conservation Commission and Climate Change Vulnerability Action Planning. Coordinates with the MS4 Program Manager for updated erosion control and stormwater management ordinances.		

Name	Jason Sobel	Title	Director
Department	DPW Transportation		
Phone Number	617-796-1476	Email	jsobel@newtonma.gov
Responsibilities	In charge of Transportation Engineering. Coordinates with the MS4 Program Manager on the review and report of our existing Street Design and Parking Lot Guidelines per BMP 5-2.		

Name	Shane Mark	Title	Director of Streets
Department	DPW Highway		
Phone Number	617-796-1494	Email	smark@newtonma.gov
Responsibilities	Manages and maintains the City's streets, sidewalks and curbs; coordinates street sweeping and manages snow operations. Reports street sweeping statistics and coordinates with the MS4 Program Manager on winter maintenance program / reduced salt policy (BMPs 6-6 and 6-7).		

Name	<input type="text" value="Derek Mannion"/>	Title	<input type="text" value="Asst. Superintendant"/>
Department	<input type="text" value="Parks & Recreation, Maintenance Division"/>		
Phone Number	<input type="text" value="617-796-1500"/>	Email	<input type="text" value="dmannion@newtonma.gov"/>
Responsibilities	<input type="text" value="In charge of parks, fields and open space maintenance. Works with MS4 Program manager on written operations and maintenances procedures required under MCM 6."/>		

Name	<input type="text" value="Joshua Morse"/>	Title	<input type="text" value="Commissioner"/>
Department	<input type="text" value="Public Buildings"/>		
Phone Number	<input type="text" value="617-796-1608"/>	Email	<input type="text" value="jmorse@newtonma.gov"/>
Responsibilities	<input type="text" value="In charge of maintaining and renovating all buildings owned by the City. Works with MS4 Program manager on written operations and maintenances procedures required under MCM 6 and reviewing City projects for stormwater retrofit potential (BMP 6-11)."/>		

Name	<input type="text" value="Travis Mosca"/>	Title	<input type="text" value="Director of Fleet Maintenance"/>
Department	<input type="text" value="Fleet Maintenance"/>		
Phone Number	<input type="text" value="617-796-1479"/>	Email	<input type="text" value="tmosca@newtonma.gov"/>
Responsibilities	<input type="text" value="In charge of maintaining the City's fleet. Designated SWPPP Inspector for the Crafts Street DPW Yard."/>		

Name	<input type="text" value="Paula Gannon"/>	Title	<input type="text" value="Director, Cultural Department"/>
Department	<input type="text" value="Newton Cultural Department"/>		
Phone Number	<input type="text" value="617-796-1297"/>	Email	<input type="text" value="pgannon@newtonma.gov"/>
Responsibilities	<input type="text" value="Coordinates Newton Serves Day, an annual event of community service projects. Event includes park and conservation area clean-ups along the Charles River. Counts as a public participation activity."/>		

[Add SWMP Member](#)

Receiving Waters

The following table lists all receiving waters, impairments and number of outfalls discharging to each waterbody segment.

OR

The information can be found in the following document or at the following web address:

<https://www3.epa.gov/region1/npdes/stormwater/ma/tms4noi/newton.pdf>

Waterbody segment that receives flow from the MS4	Number of outfalls into receiving water segment	Chloride	Chlorophyll-a	Dissolved Oxygen/DO Saturation	Nitrogen	Oil & Grease/PAH	Phosphorus	Solids/ TSS/ Turbidity	E. coli	Enterococcus	Other pollutant(s) causing impairments
Charles River (MA 72-07)	117	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	DDT, Nutrient/ Eutrophication Indicators, PCB in Fish Tissue, pathogens
Charles River (MA 72-36)	15	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Fish passage barrier, non-native aquatic plants, Chlorophyll-a, DDT, Fishes Bioassessments, Nutrient / Eutrophication indicators, oil and grease, other, PCB in Fish Tissue, high pH, Secchi disk transparency
College Brook	1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Country Club Brook	4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Lacy Brook (tributary to Country Club Brook)	1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
South Meadow Brook (MA 72-24)	17	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Bottom deposits, floatables / trash and physical substrate, pathogens

Paul Brook (tributary to South Meadow Brook)	16	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Hahn Brook (tributary to South Meadow Brook)	3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Sterns Brook (tributary to South Meadow Brook)	1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Dresser Brook / Pond	1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Runaway Brook	1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Cranberry Brook	3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Brunnen Brook	2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Cheesecake Brook (MA 72-29)	23	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Alteration in stream side vegetative covers; excess algal growth, pathogens
Dolan Brook	4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Laundry Brook	1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Waterbody segment that receives flow from the MS4	Number of outfalls into receiving water segment	Chloride	Chlorophyll-a	Dissolved Oxygen/DO Saturation	Nitrogen	Oil & Grease/PAH	Phosphorus	Solids/ TSS/ Turbidity	E. coli	Enterococcus	Other pollutant(s) causing impairments
Edmands Brook (connects to the Laundry Brook culvert)	8	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Bulloughs Pond	9	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Excess Algal growth, nutrient / eutrophication biological indicators
Cold Spring Brook (flows into Bulloughs Pond)	1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Hammond Brook (flows into Bulloughs Pond)	9	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Thompsonville Brook (tributary to Hammond Brook)	4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Hyde Brook	3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Strong's Brook	3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Saw Mill Brook (MA 72-23)	4	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Organic enrichment, biological indicators, pathogens
King Brook	1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Crystal Lake	7	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Hammond Pond	4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

[Click here to lengthen table](#)

Eligibility: Endangered Species and Historic Properties

*Reminder: The proper consultations and updates to the SWMP must be conducted for construction projects related to your permit compliance where Construction General Permit (CGP) coverage, which requires its own endangered species and history preservation determination, is NOT being obtained.

Attachments:

- ☒ The results of Appendix C U.S. Fish and Wildlife Service endangered species screening determination
- ☒ The results of the Appendix D historic property screening investigations
- ☐ If applicable, any documents from the State Historic Preservation Officer (SHPO), Tribal Historic Preservation Officer (THPO), or other Tribal representative to mitigate effects

These attachments are required within one year of the permit effective date and are:

- ☒ Attached to this document (document names listed below)

September 18, 2018 USFWS letter on endangered species
No change in historic property list since 2003 permit

- ☐ Publicly available at the website listed below

Under what criterion did permittee determine eligibility for ESA?

- ☐ Criterion A ☐ Criterion B ☒ Criterion C

Under what criterion did permittee determine eligibility for Historic Properties?

- ☒ Criterion A ☐ Criterion B ☐ Criterion C

Below add any additional measures for structural controls that you're required to do through consultation with U.S. Fish and Wildlife Service (if applicable):

Below add any additional measures taken to avoid or minimize adverse impacts on places listed, or eligible for listing, on the NRHP, including any conditions imposed by the SHPO or THPO (if applicable):

MCM 1

Public Education and Outreach

Permit Part 2.3.2

Objective: The permittee shall implement an education program that includes educational goals based on stormwater issues of significance within the MS4 area. The ultimate objective of a public education program is to increase knowledge and change behavior of the public so that the pollutants in stormwater are reduced.

Examples and Templates:

[EPA's Stormwater Education Toolbox](#)

[MassDEP's Stormwater Outreach Materials](#)

Other templates relevant to MCM 1 can be found here: <https://www.epa.gov/npdes-permits/stormwater-tools-new-england#peo>

BMP:Special Events/Festivals/Fairs

BMP Number (Optional) 1-1

Document Name and/or Web Address: <http://www.newtoncommunitypride.org/>
<https://www.greennewton.org/greenexpo2019/>

Description:

Harvest Fair and GreenExpo held on a Sunday in mid-October each year. DPW Utilities has a booth with stormwater educational materials and an interactive watershed model (EnviroScape). Newton's Environmental Affairs Division also has a booth on composting and recycling.

Targeted Audience: Residents

Responsible Department/Parties: DPW Environmental and Utilities Divisions

Measurable Goal(s):

Estimate # of people that visit booth

Message Date(s): Fall 2018 and Fall 2019

BMP:Web Page

BMP Number (Optional) 1-2

Document Name and/or Web Address: <http://www.newtonma.gov/gov/dpw/water/stormwater.asp>

Description:

Post pollution prevention information on the City's web page

Targeted Audience: Businesses, institutions and commercial facilities

Responsible Department/Parties: DPW Utilities

Measurable Goal(s):

Information posted. Track # of visits to web page

Message Date(s): 2019

BMP:Displays/Posters/Kiosks

BMP Number (Optional) 1-3

Document Name and/or Web Address: Contractors and developers: Tips to reduce polluted stormwater runoff during construction.

Description:

Post information on preventing and controlling soil erosion from construction sites at the permit counter. Use the educational material developed by the Statewide Stormwater Coalition and Think Blue Massachusetts.

Targeted Audience: Developers (construction) ▼

Responsible Department/Parties: Engineering ▼

Measurable Goal(s):

Information posted.

Message Date(s): Summer 2019

BMP:Brochures/Pamphlets

BMP Number (Optional) 1-4 _____

Document Name and/or Web Address: Know the Drill for Spills: Spill Prevention for Industrial Facilities

Description:

Post pollution prevention information on City's web site or social media.

Targeted Audience: Industrial Facilities ▼

Responsible Department/Parties: DPW Utilities ▼

Measurable Goal(s):

Information posted. Track # of visits / views

Message Date(s): Spring 2020

BMP:Brochures/Pamphlets

BMP Number (Optional) 1-5 _____

Document Name and/or Web Address: Clean water begins with you. Let's Think Blue.

Description:

Post pollution prevention flyer and/or educational pamphlets at the customer service area in City Hall. Provide

"How green are your stormwater habits?" quiz cards.

Targeted Audience: Residents

Responsible Department/Parties: DPW Utilities

Measurable Goal(s):

Track # of quiz cards taken

Message Date(s): Spring 2020

BMP:Brochures/Pamphlets

BMP Number (Optional) 1-6

Document Name and/or Web Address: Phosphorus in the Charles River: What you Should Know! or an updated, similar flier.

Description:

Distribute literature to golf courses / landscapers on fertilizer impacts to impaired waters. Use the literature developed by the Charles River Watershed Association's, funded by the Massachusetts Environmental Trust and provide a cover letter for context, explaining the Phosphorus TMDL requirements.

Targeted Audience: Businesses, institutions and commercial facilities

Responsible Department/Parties: DPW Utilities

Measurable Goal(s):

Monitor changes in Phosphorus levels in local streams

Message Date(s): Summer 2020

BMP:Brochures/Pamphlets

BMP Number (Optional) 1-7

Document Name and/or Web Address: TBD

Description:

Distribute handout with building permits that include any land disturbance.

Targeted Audience: Developers (construction)

Responsible Department/Parties: Inspectional Services Dept., and Engineering

Measurable Goal(s):

Track # distributed with permits

Message Date(s): Spring 2020

BMP:Brochures/Pamphlets

BMP Number (Optional) 1-8

Document Name and/or Web Address: Put Hazards in their Place: Safe Storage and Handling Tips for Chemicals and Hazardous Materials

Description:

Mail pollution prevention brochure to industrial facilities. Use the literature developed by Think Blue Massachusetts.

Targeted Audience: Industrial Facilities

Responsible Department/Parties: DPW Utilities

Measurable Goal(s):

Report # mailed

Message Date(s): 2022

BMP:Special Events/Festivals/Fairs

BMP Number (Optional) 1-9

Document Name and/or Web Address: Rabies Clinic

Description:

Distribute pet waste bag dispensers to dog owners with informational flier during the rabies clinic held on September 5, 2018. Rabies clinic is hosted by the Health department. DPW Utilities set up a table during the clinic for our "Scoop the Poop" campaign.

Targeted Audience: Residents

Responsible Department/Parties: DPW Utilities and Health Dept.

Measurable Goal(s):

Track # distributed

Message Date(s): Fall 2018

BMP:Brochures/Pamphlets

BMP Number (Optional) 1-10

Document Name and/or Web Address: Canine Quarterly newsletter

Description:

Educate dog owners about pet waste etiquette and proper disposal through the City Clerk's quarterly newsletter OR distribute educational material at issuance or renewal of dog licenses.

Targeted Audience: Residents

Responsible Department/Parties: City Clerk's Office and DPW

Measurable Goal(s):

Number of people on the distribution list for Canine Quarterly. Or track # distributed with dog licenses.

Message Date(s): Annually each spring or early summer.

BMP:Brochures/Pamphlets

BMP Number (Optional) 1-11

Document Name and/or Web Address: TBD

Description:

Coordinate with the Health Department to obtain a list of properties on septic systems. Develop and distribute (via regular mail) maintenance information to these property owners.

Targeted Audience: Residents

Responsible Department/Parties: DPW Utilities, Engineering and Health Dept.

Measurable Goal(s):

Track # distributed

Message Date(s): Fall 2019

BMP:Newspaper Articles/Press Releases

BMP Number (Optional) 1-12

Document Name and/or Web Address: Lawn and Garden Tips to Help Curb Stormwater Pollution
<http://www.newtonma.gov/>

Description:

Distribute message on proper disposal of grass clippings and use of phosphorus free fertilizers (every spring)

Targeted Audience: Residents

Responsible Department/Parties: DPW Utilities

Measurable Goal(s):

Report number of views on the City's webpage, social media or NewtonTab distribution statistics depending on which outlet is used.

Message Date(s): Annually each spring

BMP:Web Page

BMP Number (Optional) 1-13

Document Name and/or Web Address: Do your Doody, Scoop my Poop

Description:

Post information on proper pet waste disposal through Newton DPW's twitter account @DPWNewton or Green Newton website. Posted in summer 2019.

Targeted Audience: Residents

Responsible Department/Parties: DPW Utilities

Measurable Goal(s):

Post information. Report distribution statistics.

Message Date(s): Annually each summer of permit term

BMP:Web Page

BMP Number (Optional) 1-14

Document Name and/or Web Address:

Description:

Targeted Audience:

Responsible Department/Parties:

Measurable Goal(s):

Message Date(s):

MCM 2

Public Involvement and Participation

Permit Part 2.3.3

Objective: The permittee shall provide opportunities to engage the public to participate in the review and implementation of the permittee's SWMP.

BMP: Public Review of Stormwater Management Program

BMP Number (Optional) 2-1

Location of Plan and/or Web Address:

Responsible Department/Parties:

Measurable Goal(s):

Stormwater Management Program (this plan) is available for the public to review on our website.

BMP: Public Participation in Stormwater Management Program Development

BMP Number (Optional) 2-2

Description:

Allow public to comment on stormwater management plan annually. Place SWMP on the City's website for public comment. Notify residents and businesses of plan availability via a water / sewer bill stuffer once SWMP is complete.

Responsible Department/Parties:

Measurable Goal(s):

Track number of comments received from the public.

BMP: Public participation in reporting stormwater problems

BMP Number (Optional) 2-3

Document Name and/or Web Address:

Description:

Illegal dumping in storm drains or other stormwater pollution problems may be reported to the City via our customer service phone number or Newton 311 system on the website.

Responsible Department/Parties:

Measurable Goal(s):

Track number of issues reported and resolve promptly.

BMP: Household hazardous waste collection

BMP Number (Optional) 2-4

Document Name and/or Web Address: http://www.newtonma.gov/gov/dpw/recycling/household_hazardous_waste/default.asp#hhwcollectioneventsattheresourcerecoverycenter

Description:

Provide special collection days for household hazardous waste, paint and used oil. Managing household hazardous waste educational information and tips are also posted on the City's website (see link above).

Responsible Department/Parties: DPW Environmental Division

Measurable Goal(s):

Track HHW collected at our Resource Recovery Center and removed from household solid waste stream.

BMP: Public Participation

BMP Number (Optional) 2-5

Document Name and/or Web Address: Newton Serves

Description:

Newton Serves is a day of community service that often include park clean-ups and beautification projects that reduce litter and improve the land abutting our waterways.

Responsible Department/Parties: Cultural Development

Measurable Goal(s):

Host day of community service. Track # of participants.

Add BMP

MCM 3

Illicit Discharge Detection and Elimination (IDDE) Program

Permit Part 2.3.4

Objective: The permittee shall implement an IDDE program to systematically find and eliminate illicit sources of non-stormwater discharges to its municipal separate storm sewer system and implement procedures to prevent such discharges.

Examples and Templates:

[IDDE Program Template and SOPs](#)

Other templates relevant to IDDE can be found here: <https://www.epa.gov/npdes-permits/stormwater-tools-new-england#idde>

BMP: IDDE Legal Authority

BMP Number (Optional) 3-1

Completed (by May 1, 2008) ☒

Ordinances Link or Reference:

Department Responsible for Enforcement:

BMP: Sanitary Sewer Overflow (SSO) Inventory

BMP Number (Optional) 3-2

Completed (by year 1) ☒

Document Name and/or Web Address:

Description:

Responsible Department/Parties:

Measurable Goal(s):

SSO Reporting:

In the event of an overflow or bypass, a notification must be reported within 24 hours by phone to MassDEP, EPA, and other relevant parties. Follow up the verbal notification with a written report following MassDEP's Sanitary Sewer Overflow (SSO)/Bypass notification form within 5 calendar days of the time you become aware of the overflow, bypass, or backup.

The MassDEP contacts are:

Northeast Region (978) 694-3215
205B Lowell Street
Wilmington, MA 01887
Central Region (508) 792-7650
8 New Bond Street
Worcester, MA 01606
Southeast Region (508) 946-2750
20 Riverside Drive
Lakeville, MA 02347
Western Region (413) 784-1100
436 Dwight Street
Springfield, MA 01103
24-hour Emergency Line 1-888-304-1133

The EPA contacts are:

EPA New England (617) 918-1510
5 Post Office Square
Boston, MA 02109

BMP: Map of Storm Sewer System

BMP Number (Optional) 3-3

Phase I Completed ☒
(by year 2)

Phase II Completed ☒
(by year 10)

Document Location and/or Web Address: <http://www.newtonma.gov/stormwater>

Description:

Maps are maintained by DPW and IT. Maps are updated when differing conditions are documented in the field.

Responsible Department/Parties: DPW Utilities

Measurable Goal(s):

Map 100% of outfalls and receiving waters, open channel conveyances, interconnections with other MS4s and other storm sewer systems, municipally-owned stormwater treatment structures, waterbodies identified by name and indication of all use impairments, and initial catchment delineations within 2 years of the permit's effective date. Map 100% of outfall spatial locations, pipes, manholes, catch basins, refined catchment delineations, municipal sanitary sewer system (if available), and municipal combined sewer system (if applicable) within 10 years of the permit's effective date.

BMP: IDDE Program

BMP Number (Optional) 3-4

Written Document Completed (by year 1) ☒

Document Name and/or Web Address: Illicit Discharge Detection and Elimination Program Manual, October 2017

Description:

Develop and implement IDDE program in accordance with permit conditions.

Responsible Department/Parties: DPW Utilities

Measurable Goal(s):

Conduct 100% of outfall screening on High and Low Priority Outfalls within 3 years of the permit's effective date. Complete catchment investigations for 100% of the Problem Outfalls within 7 years of the permit's effective date. Complete 100% of all catchment investigations within 10 years of the permit's effective date.

The outfall/interconnection inventory and initial ranking and the dry weather outfall and interconnection screening and sampling results can be found:

Our IDDE Plan and Prioritization Map are posted at www.newtonma.gov/stormwater

BMP: Employee Training

BMP Number (Optional) 3-5

Description:

Train employees on IDDE implementation. In 2019, host a NPDES MS4 Permit overview training for staff. In subsequent years, focus on illicit discharge detection, awareness and correction for key staff.

Responsible Department/Parties: DPW Utilities



Measurable Goal(s):

Training occurs annually or as needed basis.

BMP:IDDE Plan - Illegal Dumping Program

BMP Number (Optional) 3-6

Completed ☒

Document Name and/or Web Address: Reports of illegal dumping

Description:

Follow up with all reports of illegal dumping into storm drains.

Responsible Department/Parties: DPW Operations



Measurable Goal(s):

Distribute outreach letter (i.e., doorhanger) to neighborhood affected. Send warning notice to individual or contractor, if proof is available.

Add BMP

MCM 4

Construction Site Stormwater Runoff Control

Permit Part 2.3.5

Objective: The objective of an effective construction stormwater runoff control program is to minimize or eliminate erosion and maintain sediment on site so that it is not transported in stormwater and allowed to discharge to a water of the U.S. through the permittee's MS4.

Examples and Templates:

Examples and templates relevant to MCM 4, including model ordinances and site inspection templates, can be found here: <https://www.epa.gov/npdes-permits/stormwater-tools-new-england#csrc>

BMP: Sediment and Erosion Control Ordinance

BMP Number (Optional) 4-1

Completed (by May 1, 2008) ☒

Ordinances Link or Reference:
Chapter 30 - Zoning; Section 5.3 Stormwater management

Department Responsible for Enforcement:

BMP: Site Plan Review Procedures

BMP Number (Optional) 4-2

Written procedures completed (by year 1) ☐

Document Name and/or Web Address:

Description:

Responsible Department/Parties: 

Measurable Goal(s):

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

BMP Number (Optional) 4-3

Completed (by year 1) ☐

Document Name and/or Web Address:

Description:

Responsible Department/Parties: 

Measurable Goal(s):

BMP:Waste Control

BMP Number (Optional) 4-4

Completed ☐

Document Name and/or Web Address:

Description:

Adoption of requirements to control wastes, including but not limited to, discarded building materials, concrete truck wash out, chemicals, litter, and sanitary wastes.

Responsible Department/Parties: Inspectional Services Dept. and Engineering



Measurable Goal(s):

Complete within 2 years of the effective date of permit.

BMP:Construction Inspector Training

BMP Number (Optional) 4-5

Completed ☐

Document Name and/or Web Address:

Description:

Provide training to inspectors on NPDES and Erosion and Sediment Control measures

Responsible Department/Parties: DPW Operations



Measurable Goal(s):

Complete within 2 years of the effective date of the permit.

Add BMP

MCM 5

Post Construction Stormwater Management in New Development and Redevelopment

Permit Part 2.3.6

Objective: The objective of an effective post construction stormwater management program is to reduce the discharge of pollutants found in stormwater to the MS4 through the retention or treatment of stormwater after construction on new or redeveloped sites and to ensure proper maintenance of installed stormwater controls.

Examples and Templates:

Examples and templates relevant to MCM 5, including model ordinances and bylaw review templates and guidance can be found here: <https://www.epa.gov/npdes-permits/stormwater-tools-new-england#pcsm>

BMP: Post-Construction Ordinance

BMP Number (Optional) 5-1

Completed (by year 2) ☐

Town Ordinances Link or Reference:

Department Responsible for Enforcement: Engineering, DPW Utilities and Planning

BMP: Street Design and Parking Lot Guidelines Report

BMP Number (Optional) 5-2

Completed (by year 4) ☐

Document Name and/or Web Address: http://www.newtonma.gov/gov/planning/transportation_planning_/planning/

Description:

DPW / Engineering, Transportation Division and the Planning Department will continue to implement the Complete Streets Policy and Street Design Guide. Review this policy and design guide and determine if either can be modified to reduce the amount of impervious cover and/or encourage low impact design.

Responsible Department/Parties: Planning Dept, DPW Transportation, Engineering

Measurable Goal(s):

Complete Streets Policy adopted July 2017. Newton's Street Design Guide developed in June 2018. Review these documents in accordance with goals of MS4 Permit by June 2022.

BMP: Green Infrastructure Report

BMP Number (Optional) 5-3

Completed (by year 4) ☐

Document Name and/or Web Address:

Description:

Develop a report assessing existing local regulations to determine the feasibility of making green infrastructure practices allowable when appropriate site conditions exist.

Responsible Department/Parties: Planning Dept., Engineering and DPW Utilities

Measurable Goal(s):

Review existing regulations and related documents to determine if there are any impediments to green infrastructure. Determine what, if any, recommendations are necessary to allow green infrastructure by June 2022 and report progress annually.

BMP: List of Municipal Retrofit Opportunities

BMP Number (Optional) 5-4

Completed (by year 4) ☐

Document Name and/or Web Address:

Description:

Identify at least 5 permittee-owned properties that could be modified or retrofitted with BMPs to reduce impervious areas and update annually

Responsible Department/Parties: Engineering and DPW Utilities



Measurable Goal(s):

Complete the list by June 2022 and update as needed.

BMP:Post-Construction Ordinance/Bylaw

BMP Number (Optional) 5-5

Completed ☐

Document Name and/or Web Address:

Description:

Amend existing ordinance and/or design standards to meet phosphorus removal requirements per Part 2.3.6.a. ii and Appendix H. Ensure any stormwater controls or management practices for new development and redevelopment meet the retention or treatment requirements of the permit and all applicable requirements of the Massachusetts Stormwater Handbook.

Responsible Department/Parties: Engineering, DPW and Planning Dept.



Measurable Goal(s):

Complete within 2 years of the permit effective date (July 1, 2020).

Add BMP

MCM 6

Good Housekeeping and Pollution Prevention for Permittee Owned Operations

Permit Part 2.3.7

Objective: The permittee shall implement an operations and maintenance program for permittee-owned operations that has a goal of preventing or reducing pollutant runoff and protecting water quality from all permittee-owned operations.

Examples and Templates:

Examples and templates relevant to MCM 6, including SOP templates for catch basin cleaning, street sweeping, vehicle maintenance, parks and open space management, winter deicing, and Stormwater Pollution Prevention Plans can be found here: <https://www.epa.gov/npdes-permits/stormwater-tools-new-england#gh>

PERMITTEE OWNED FACILITIES

BMP: Parks and Open Spaces Operations and Maintenance Procedures

BMP Number (Optional) 6-1

Written Document Completed (by year 2) ☐

Document Name and/or Web Address:

Description:

Create written O&M procedures including all requirements contained in 2.3.7.a.ii for parks and open spaces

Responsible Department/Parties: DPW Utilities and Parks & Recreation



Measurable Goal(s):

Implement the SOP listed above for all parks and open spaces.

Properties List (Optional):

BMP: Buildings and Facilities Operations and Maintenance Procedures

BMP Number (Optional) 6-2

Written Document Completed (by year 2) ☐

Document Name and/or Web Address:

Description:

Create written O&M procedures including all requirements contained in 2.3.7.a.ii for buildings and facilities

Responsible Department/Parties: Public Buildings, DPW Utilities



Measurable Goal(s):

Implement the SOP listed above on 100% of buildings and facilities.

Properties List (Optional):

BMP: Vehicles and Equipment Operations and Maintenance Procedures

BMP Number (Optional) 6-3

Written Document Completed (by year 2) ☐

Document Name and/or Web Address:

Description:

Create written O&M procedures including all requirements contained in 2.3.7.a.ii vehicles and equipment

Responsible Department/Parties: DPW and Parks & Recreation



Measurable Goal(s):

Implement the SOP listed above for all municipal vehicles and equipment according to the above document.

Properties List (Optional):

INFRASTRUCTURE

BMP: Infrastructure Operations and Maintenance Procedures

BMP Number (Optional) 6-4

Written Procedure Completed (by year 2) ☐

Document Name and/or Web Address:

Description:

Establish and implement program for repair and rehabilitation of MS4 infrastructure

Responsible Department/Parties: DPW Operations



Measurable Goal(s):

All infrastructure is maintained to ensure proper function in accordance with the procedures above.

BMP: Catch Basin Cleaning Program

BMP Number (Optional) 6-5

Written Procedure Completed (by year 1) ☐

Document Name and/or Web Address:

Description:

Establish schedule for catch basin cleaning such that each catch basin is no more than 50% full and clean catch basins on that schedule.

Responsible Department/Parties: DPW Utilities



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**BMP Number (Optional)** 6-6**Written Procedure Completed** (by year 1) ☐**Document Name and/or Web Address:** SOP Streets and Parking Lot Sweeping**Description:**

Sweep all streets and permittee-owned parking lots in accordance with permit conditions.

Responsible Department/Parties: DPW Highway**Measurable Goal(s):**

Annually sweep 100% of all streets and 50% of all municipal parking lots in accordance with the schedule listed above.

BMP: Winter Road Maintenance Program**BMP Number (Optional)** 6-7**Written Procedure Completed** (by year 1) ☒**Document Name and/or Web Address:** Low Salt Memo, dated 2/25/19**Description:**

Establish and implement a program to minimize the use of road salt

Responsible Department/Parties: DPW Highway**Measurable Goal(s):**

Evaluate at least one salt/chloride alternative for use in the municipality and review streets that should be designated for reduced salt usage.

BMP: Stormwater Treatment Structures Inspection and Maintenance Procedures**BMP Number (Optional)** 6-8**Completed** (by year 1) ☐**Document Name and/or Web Address:**

Description:

Establish and implement inspection and maintenance procedures and frequencies

Responsible Department/Parties: DPW Utilities and Engineering

Measurable Goal(s):

Develop list of all stormwater treatment structures on City-owned land. Inspect and maintain 100% of treatment structures to ensure proper function.

BMP: SWPPP

BMP Number (Optional) 6-9

Completed (by year 2) ☒

Document Name and/or Web Address:

Description:

Create Storm water Pollution Prevention Plans (SWPPPs) for maintenance garages, transfer stations, and other waste-handling facilities.

Responsible Department/Parties: DPW Utilities

Measurable Goal(s):

SWPPPs are complete for the Craft Street DPW Yard, Elliot Street DPW Yard and our Resource Recycling Facility.

BMP:Employee Training - General Stormwater Topics

BMP Number (Optional) 6-10

Completed ☐

Document Name and/or Web Address:

Description:

Provide training to employees on Oil SPCC plans, SWPPP and Good housekeeping

Responsible Department/Parties: DPW Utilities

Measurable Goal(s):

Conduct 2 training events over the permit term (July 2018 - June 2023).

BMP:Installation of BMP Retrofits for Water Quality

BMP Number (Optional) 6-11

Completed ☐

Document Name and/or Web Address:

Description:

Review all school and public building projects for stormwater best management practices

Responsible Department/Parties: Public Buildings Dept. and Engineering



Measurable Goal(s):

Review projects and note stormwater BMPs implemented

Add BMP

Annual Evaluation

Year 1 Annual Report

Document Name and/or Web Address:

Newton Annual Report No. 1

Year 2 Annual Report

Document Name and/or Web Address:

Year 3 Annual Report

Document Name and/or Web Address:

Year 4 Annual Report

Document Name and/or Web Address:

Year 5 Annual Report

Document Name and/or Web Address:

Year X Annual Report

Document Name and/or Web Address:

Add a Year

TMDLs and Water Quality Limited Waters

Select the applicable Impairment(s) and/or TMDL(s).

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 and Pathogen ☐ Metals ☐ Nitrogen ☐ Phosphorus

Clear Impairments and TMDLs

Bacteria/Pathogens

Combination of Impaired Waters Requirements and TMDL Requirements as Applicable

Applicable Receiving Waterbody(ies)	TMDL Name (if applicable)	Add/Delete Row
Charles River (MA72-07) Sawmill Brook (MA72-23) South Meadow Brook (MA72-24) Cheese Cake Brook (MA72-29)	Final Pathogen TMDL for the Charles River Watershed	<input type="button" value="+"/> <input type="button" value="-"/>

Annual Requirements Beginning Year 1

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

The relevant BMP number(s) listed above in the Stormwater Management Program OR the description of implementation actions and document location(s) are:

MCM3 - IDDE Plan, Outfall Inventory and Priority Ranking

Public Education and Outreach

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

Annual message encouraging the proper management of pet waste, including noting any existing ordinances where appropriate

The relevant BMP number(s) listed above in the Stormwater Management Program OR the description of implementation actions and document location(s) are:

MCM1 - Residents: BMP 1-2, BMP 1-5 and BMP 1-13

Permittee or its agents disseminate educational material to dog owners at the time of issuance or renewal of dog license, or other appropriate time

The relevant BMP number(s) listed above in the Stormwater Management Program OR the description of implementation actions and document location(s) are:

MCM1 - Residents: BMP 1-9 and BMP 1-10

Provide information to owners of septic systems about proper maintenance in any catchment that discharges to a water body impaired for bacteria

The relevant BMP number(s) listed above in the Stormwater Management Program OR the description of implementation actions and document location(s) are:

MCM1 - Residents, Businesses: BMP 1-11

Chloride

Applicable Receiving Waterbody(ies)	TMDL Name (if applicable)	Add/Delete Row
Sawmill Brook (MA72-23)		<input type="button" value="+"/> <input type="button" value="-"/>

Annual Requirements Beginning Year 1

Public Education and Outreach

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

Include an annual message in November/December to private road salt applicators and commercial industrial site owners on the proper storage and application rates of winter deicing material, along with the steps that can be taken to minimize salt use and protect local waterbodies

The relevant BMP number(s) listed above in the Stormwater Management Program OR the description of implementation actions and document location(s) are:

MCM1 - Businesses, Industrial facilities, BMP 1-2. Check if there are any commercial / industrial sites within the Saw Mill Brook drainage area.

Requirements Due by Year 3

Develop a Salt Reduction Plan

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

Reduced Salt Policy established and became effective on Feb. 25, 2019.

Requirements Due by Year 4

Continue implementation of the Salt Reduction Plan

Requirements Due by Year 5

Fully implement the Salt Reduction Plan

Phosphorus

Combination of Impaired Waters Requirements and TMDL Requirements as Applicable

Applicable Receiving Waterbody(ies)	TMDL Name (if applicable)	Add/Delete Row
Charles River (MA72-07)	Total Phosphorus	<input type="checkbox"/> + <input type="checkbox"/> -
Charles River (MA 72-36)	Total Phosphorus	<input type="checkbox"/> + <input type="checkbox"/> -

Annual Requirements Beginning Year 1

Public Education and Outreach

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

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

The relevant BMP number(s) listed above in the Stormwater Management Program OR the description of implementation actions and document location(s) are:

Refer to BMP 1-12

Distribute an annual message in the summer (June/July) encouraging the proper management of pet waste, including noting any existing ordinances where appropriate

The relevant BMP number(s) listed above in the Stormwater Management Program OR the description of implementation actions and document location(s) are:

Refer to BMP 1-13

Distribute an annual message in the fall (August/September/October) encouraging the proper disposal of leaf litter

The relevant BMP number(s) listed above in the Stormwater Management Program OR the description of implementation actions and document location(s) are:

Refer to BMP 1-14

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)

The relevant BMP number(s) listed above in the Stormwater Management Program OR the description of implementation actions and document location(s) are:

Newton DPW sweeps the entire City 4 to 5 times per year and daily in all village centers. Our street sweeping schedule can be found here: <http://www.newtonma.gov/gov/dpw/highway/default.asp>

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

The relevant BMP number(s) listed above in the Stormwater Management Program OR the description of implementation actions and document location(s) are:

Refer to BMP 1-12 and BMP 1-14

Stormwater Management in New Development and Redevelopment

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

The relevant BMP number(s) listed above in the Stormwater Management Program OR the description of implementation actions and document location(s) are:

Refer to BMP 6-11

Phosphorus Reduction Tracking BMP

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 phosphorus removal by the BMP consistent with Attachment 1 to Appendix H.

The BMP type, total area treated by the BMP, the design storage volume of the BMP and the estimated phosphorus removed in pass per year by the BMP is found in the following document or website and is updated yearly at a minimum:

Structural BMP database TP load reduction (building of database in progress)

Requirements Due by Year 2

Stormwater Management in New Development and Redevelopment

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 phosphorus removal

The relevant BMP number(s) listed above in the Stormwater Management Program OR the description of implementation actions and document location(s) are:

Requirements Due by Year 4

Complete a Phosphorus Source Identification Report

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

Stormwater Management in New Development and Redevelopment

Retrofit inventory and priority ranking under 2.3.6.1.b. shall include consideration of BMPs that infiltrate stormwater where feasible

The relevant BMP number(s) listed above in the Stormwater Management Program OR the description of implementation actions and document location(s) are:

Requirements Due by Year 5

Potential Structural BMPs

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 Phosphorus Source Identification Report that are within the drainage area of the impaired water or its tributaries

The relevant BMP number(s) listed above in the Stormwater Management Program OR the description of implementation actions and document location(s) are:

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

The relevant BMP number(s) listed above in the Stormwater Management Program OR the description of implementation actions and document location(s) are:

--

Charles River Watershed Phosphorus TMDL

PCP Phase	Document Location
I (completed by year 5)	
II (completed by year 10)	
III (completed by year 15)	

City of Newton
Stormwater Management Program

Appendix A

NPDES Authorization to Discharge

Delegation of Authority Memo, signed by Mayor Fuller



Ruthanne Fuller
Mayor

City of Newton, Massachusetts
Office of the Mayor

Telephone
(617) 796-1100
Fax
(617) 796-1113
TDD/TTY
(617) 796-1089
Email
rfuller@newtonma.gov

September 12, 2019

MEMO TO FILE

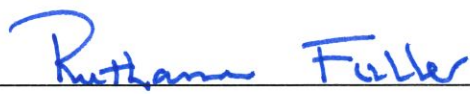
Re: Documentation for delegation of "Authorized Representative" for
NPDES 2016 Massachusetts Small Municipal Separate Storm Sewer System (MS4)
General Permit

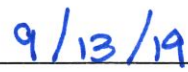
This document serves to affirm that the **Department of Public Works Commissioner** has responsibility for the operation of the MS4 and is hereby designated as an authorized person for signing all reports including but not limited to the Stormwater Management Plan (SWMP), Stormwater Pollution Prevention Plans (SWPPPs), inspection reports, annual reports, monitoring reports, reports on training, and other information required by the General Permit for Stormwater Discharges from Small Municipal Separate Storm Sewer Systems (MS4) in **Massachusetts** for the **City of Newton**. This authorization cannot be used for signing a NPDES permit application (e.g., Notice of Intent (NOI)) in accordance with 40 CFR 122.22).

By signing this authorization, I confirm that I meet the following requirements to make such a designation as set forth in Part B.11 of Appendix B of the Small MS4 General Permit:

For a municipality, state, federal, or other public agency: By either a principal executive officer or ranking elected official.

"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."


Ruthanne Fuller
Mayor


Date



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 1
5 POST OFFICE SQUARE, SUITE 100
BOSTON, MA 02109-3912**

VIA EMAIL

March 5, 2019

Ruthanne Fuller
Mayor

And;

Maria Rose
Environmental Engineer
1000 Commonwealth Ave
Newton Centre, MA. 02459
mrose@newtonma.gov

Re: National Pollutant Discharge Elimination System Permit ID #: MAR041080, City of Newton

Dear Maria Rose:

The 2016 NPDES General Permit for Stormwater Discharges from Small Municipal Separate Storm Sewer Systems in Massachusetts (MS4 General Permit) is a jointly issued EPA-MassDEP permit. Your Notice of Intent (NOI) for coverage under this MS4 General Permit has been reviewed by EPA and appears to be complete. You are hereby granted authorization by EPA and MassDEP to discharge stormwater from your MS4 in accordance with the applicable terms and conditions of the MS4 General Permit, including all relevant and applicable Appendices. This authorization to discharge expires at midnight on **June 30, 2022**.

For those permittees that certified Endangered Species Act eligibility under Criterion C in their NOI, this authorization letter also serves as EPA's concurrence with your determination that your discharges will have no effect on the listed species present in your action area, based on the information provided in your NOI.

As a reminder, your first annual report is due by **September 30, 2019** for the reporting period from May 1, 2018 through June 30, 2019.

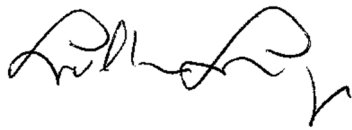
Information about the permit and available resources can be found on our website:
<https://www.epa.gov/npdes-permits/massachusetts-small-ms4-general-permit>. Should you have
any questions regarding this permit please contact Newton Tedder at tedder.newton@epa.gov or
(617) 918-1038.

Sincerely,



Thelma Murphy, Chief
Stormwater and Construction Permits Section
Office of Ecosystem Protection
United States Environmental Protection Agency, Region 1

and;



Lealdon Langley, Director
Wetlands and Wastewater Program
Bureau of Water Resources
Massachusetts Department of Environmental Protection

City of Newton
Stormwater Management Program

Appendix B

USFWS Letter & iPAC Report



United States Department of the Interior

FISH AND WILDLIFE SERVICE
New England Ecological Services Field Office
70 Commercial Street, Suite 300
Concord, NH 03301-5094
Phone: (603) 223-2541 Fax: (603) 223-0104
<http://www.fws.gov/newengland>



In Reply Refer To:
Consultation Code: 05E1NE00-2018-SLI-3250
Event Code: 05E1NE00-2018-E-07601
Project Name: NPDES MS4 Notice of Intent

September 28, 2018

Subject: List of threatened and endangered species that may occur in your proposed project location, and/or may be affected by your proposed project

To Whom It May Concern:

The enclosed species list identifies threatened, endangered, proposed and candidate species, as well as proposed and final designated critical habitat, that may occur within the boundary of your proposed project and/or may be affected by your proposed project. The species list fulfills the requirements of the U.S. Fish and Wildlife Service (Service) under section 7(c) of the Endangered Species Act (Act) of 1973, as amended (16 U.S.C. 1531 *et seq.*).

New information based on updated surveys, changes in the abundance and distribution of species, changed habitat conditions, or other factors could change this list. Please feel free to contact us if you need more current information or assistance regarding the potential impacts to federally proposed, listed, and candidate species and federally designated and proposed critical habitat. Please note that under 50 CFR 402.12(e) of the regulations implementing section 7 of the Act, the accuracy of this species list should be verified after 90 days. This verification can be completed formally or informally as desired. The Service recommends that verification be completed by visiting the ECOS-IPaC website at regular intervals during project planning and implementation for updates to species lists and information. An updated list may be requested through the ECOS-IPaC system by completing the same process used to receive the enclosed list.

The purpose of the Act is to provide a means whereby threatened and endangered species and the ecosystems upon which they depend may be conserved. Under sections 7(a)(1) and 7(a)(2) of the Act and its implementing regulations (50 CFR 402 *et seq.*), Federal agencies are required to utilize their authorities to carry out programs for the conservation of threatened and endangered species and to determine whether projects may affect threatened and endangered species and/or designated critical habitat.

A Biological Assessment is required for construction projects (or other undertakings having similar physical impacts) that are major Federal actions significantly affecting the quality of the human environment as defined in the National Environmental Policy Act (42 U.S.C. 4332(2)(c)). For projects other than major construction activities, the Service suggests that a biological evaluation similar to a Biological Assessment be prepared to determine whether the project may affect listed or proposed species and/or designated or proposed critical habitat. Recommended contents of a Biological Assessment are described at 50 CFR 402.12.

If a Federal agency determines, based on the Biological Assessment or biological evaluation, that listed species and/or designated critical habitat may be affected by the proposed project, the agency is required to consult with the Service pursuant to 50 CFR 402. In addition, the Service recommends that candidate species, proposed species and proposed critical habitat be addressed within the consultation. More information on the regulations and procedures for section 7 consultation, including the role of permit or license applicants, can be found in the "Endangered Species Consultation Handbook" at:

<http://www.fws.gov/endangered/esa-library/pdf/TOC-GLOS.PDF>

Please be aware that bald and golden eagles are protected under the Bald and Golden Eagle Protection Act (16 U.S.C. 668 *et seq.*), and projects affecting these species may require development of an eagle conservation plan (http://www.fws.gov/windenergy/eagle_guidance.html). Additionally, wind energy projects should follow the wind energy guidelines (<http://www.fws.gov/windenergy/>) for minimizing impacts to migratory birds and bats.

Guidance for minimizing impacts to migratory birds for projects including communications towers (e.g., cellular, digital television, radio, and emergency broadcast) can be found at: <http://www.fws.gov/migratorybirds/CurrentBirdIssues/Hazards/towers/towers.htm>; <http://www.towerkill.com>; and <http://www.fws.gov/migratorybirds/CurrentBirdIssues/Hazards/towers/comtow.html>.

We appreciate your concern for threatened and endangered species. The Service encourages Federal agencies to include conservation of threatened and endangered species into their project planning to further the purposes of the Act. Please include the Consultation Tracking Number in the header of this letter with any request for consultation or correspondence about your project that you submit to our office.

Attachment(s):

- Official Species List
-

Official Species List

This list is provided pursuant to Section 7 of the Endangered Species Act, and fulfills the requirement for Federal agencies to "request of the Secretary of the Interior information whether any species which is listed or proposed to be listed may be present in the area of a proposed action".

This species list is provided by:

New England Ecological Services Field Office
70 Commercial Street, Suite 300
Concord, NH 03301-5094
(603) 223-2541

Project Summary

Consultation Code: 05E1NE00-2018-SLI-3250

Event Code: 05E1NE00-2018-E-07601

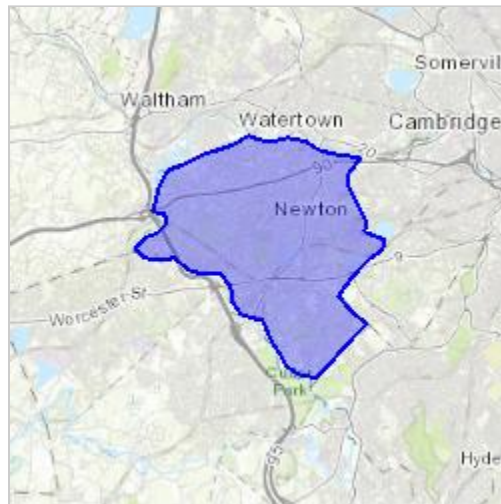
Project Name: NPDES MS4 Notice of Intent

Project Type: LAND - MANAGEMENT PLANS

Project Description: City of Newton limits

Project Location:

Approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/place/42.326240152354565N71.2137251497789W>



Counties: Middlesex, MA | Norfolk, MA | Suffolk, MA

Endangered Species Act Species

There is a total of 1 threatened, endangered, or candidate species on this species list.

Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fish may appear on the species list because a project could affect downstream species.

IPaC does not display listed species or critical habitats under the sole jurisdiction of NOAA Fisheries¹, as USFWS does not have the authority to speak on behalf of NOAA and the Department of Commerce.

See the "Critical habitats" section below for those critical habitats that lie wholly or partially within your project area under this office's jurisdiction. Please contact the designated FWS office if you have questions.

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1. [NOAA Fisheries](#), also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

Mammals

NAME	STATUS
Northern Long-eared Bat <i>Myotis septentrionalis</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/9045	Threatened

Critical habitats

THERE ARE NO CRITICAL HABITATS WITHIN YOUR PROJECT AREA UNDER THIS OFFICE'S JURISDICTION.

City of Newton



Ruthanne Fuller
Mayor

Department of Public Works Utilities Division

60 Elliot Street
Newton, MA 02461

Telephone (617) 796-1640 Fax (617) 796-1653

October 1, 2018

Newton Tedder
US Environmental Protection Agency
Five Post Office Square, Suite 100
Boston, MA 02109

Re: Endangered Species Determination for NPDES MS4 Permit

Dear Mr. Tedder:

I have evaluated the United States Fish & Wildlife Service (USFWS) iPaC Biological and Conservation Data System in response to new regulation promulgated under the 2016 Massachusetts Municipal Separate Sewer System (MS4) General Permit. The objective of this review is to determine the presence of threatened or endangered species within the program implementation area in Newton, MA. Our review evaluated the area of impact for required program activities, analysis of these program activity areas within the iPaC database, examining maps and the personal knowledge of staff.

According to the information currently in the iPaC database, there is one threatened species, the Northern Long-eared Bat, within the project area (i.e., the City limits) and no critical habitat. Please see Attachment 1 as the official species list.

Our proposed stormwater program activities are a continuation of previously permitted activities and include non-structural management of stormwater runoff as required by the MA MS4 General Permit. These activities will include education, investigation and pollutant source control on exiting municipal facilities and roadways and will not disturb terrestrial vegetation. The listed species are sensitive to land disturbance and since the program implementation will not disturb vegetation, we have determined that our programmatic activities will have "no affect" on the listed species. If during the permit term we plan to install structural stormwater treatment practices or engage in other land disturbing activities to achieve compliance with the MS4 General Permit, the City of Newton will initiate further informal or formal consultation with the USFWS.

Based upon this information and the determination requirements outlined in Appendix C of the MA MS4 Permit, we have determined that we meet Criterion C. We request EPA's concurrence of this determination.

Sincerely,

A handwritten signature in cursive script that reads "Maria Rose".

Maria Rose, CFM
Environmental Engineer

Attachment

City of Newton
Stormwater Management Program

Appendix C

Discharge Locations

ID	SUB	LOCATION	TYPE	SIZE
1		SAW MILL BRK PRKWY @ #801 100' WEST OF THE END OF THE ROAD	CONC.	60
2		WELLS AVE. SOUTH ACROSS FROM # 120 30' FROM ROAD	CONC.	36
3		WELLS AVE. NORTH (COUNTRY CLUB BROOK) ACROSS FROM #60	CULVERT	48X72
4		NAHANTON ST BRIDGE NORTH SIDE OF BRIDGE OUTBOUND SIDE	CONC.	12
4	A	WINCHESTER ST 250' LEFT OF ENTRANCE TO NAHANTON PARK	CONC.	15
4	B	NAHANTON ST @ BRIDGE ACCESS RD TO PARK NEAR NEW-4	CONC.	12
4	C	WINCHESTER ST ACROSS ACCESS RD FROM NEW-4A	CMP	12
4	D	WALLACE AVE EAST OF PUMP HOUSE SMALL SPILL WAY ON GOLF COURSE TO RIVER		
5		WALLACE AVE @ RIVERS EDGE	CONC.	15
6		CHARLES RIVER TER. @ RIVERS EDGE	CONC.	15
7		BANK ST @ RIVERS EDGE	CONC.	24
8		CHRISTINA ST BEWTEEN #85 AND OLD RAILROAD BRIDGE	CONC.	12
9		25 CHRISTINA ST REAR LOT UPSTREAM OF BUILDING	PVC	12
9	A	25 CHRISTINA ST REAR LOT UPSTREAM OF BUILDING	PVC	10
9	B	25 CHRISTINA ST REAR LOT REAR OF BUILDING	PVC	10
9	C	25 CHRISTINA ST 4' DOWNSTREAM OF NEW-09	CONC.	12
9	D	25 CHRISTINA ST JUST DOWNSTREAM OF BUILDING	PVC	10
9	E	320 NEEDHAM ST REAR LOT NEAR SUITE 150	CONC.	12
9	F	320 NEEDHAM ST REAR LOT 125' UPSTREAM OF BRIDGE	PVC	10
10		NEEDHAM ST IN WALL @ BRIDGE WEST BOUND	CONC.	12
11		NEEDHAM ST CULVERT UNDER OAK ST JUST NORTH OF NEEDHAM	CULVERT	60X72
11	A	OAK ST VILLAGE CONDOS @ FITNESS ROOM	CONC.	12
11	B	OAK ST VILLAGE CONDOS 25' UPSTREAM FROM NEW-11A	CON	18
11	C	OAK ST VILLAGE CONDOS 10' UPSTREAM FROM NEW-11B	VCP	5
12		ABBOT ST @ END OF ROAD	PVC	10
13		WILLIAMS CT @ END OF ROAD	CONC.	12
13	A	WILLIAMS CT 75' DOWNSTREAM FROM NEW-13	VCP	8
13	B	SACO ST APT. ON RIGHT @ THE END OF THE COMPLEX @ RIVER	CONC.	15
13	C	TV TOWER ON CHESTNUT 30' SOUTHEAST FROM LAST UTILITY POLE	CMP	8
14		RIVER AVE @ END OF ROAD NEAR RIVER	CONC.	12
15		ELLIOT ST EAST BOUND NEXT TO BRIDGE (SOUTH SIDE OF BRIDGE)	CONC.	36
15	B	ELLIOT ST WEST BOUND NEXT TO BRIDGE (NORTH SIDE OF BRIDGE)	CONC.	15
16		ELLIS @ RT9 E. EXIT EAST SIDE OF SMALL SPILL WAY	CONC.	12
16	A	ELLIS @ RT9 E. OFF RAMP 5' UPSTRM OF 16 SAME SIDE OF SPILLWAY	VCP	12
16	B	ELLIS @ RT9 E. EXIT WEST SIDE OF SMALL SILL WAY 30' UP STRM 16	CONC.	12
17		QUINOBEQUIN @ RT. 9 WEST ON RAMP 50' FROM ON RAMP	CONC.	30
17	A	QUINOBEQUIN @ RT. 9 WEST ON RAMP CLOSE TO CITY LINE	CONC.	12
18		QUINOBEQUIN RD 100' DOWN STREAM OF ROUTE 9 ON RAMP	CONC.	12
18	A	QUINOBEQUIN RD ACROSS DRIVEWAY FOR #744	CONC.	18
19		QUINOBEQUIN RD ACROSS FROM #696 DRESSER BROOK	CONC.	72
19	A	QUINOBEQUIN RD 75' DOWNSTREAM OF NEW-19	DIP	4
20		QUINOBEQUIN RD NORTHWEST SIDE OF DRESSER BROOK POND	CONC.	2-24"
21		QUINOBEQUIN @ RADCLIFF RD	VCP	8
22		QUINOBEQUIN 200' DOWNSTREAM OF RADCLIFF	CONC.	12
23		QUINOBEQUIN RD @ LARKSPUR	ADS	24
23	A	QUINOBEQUIN RD @ #584 350' UPSTREAM OF LARKSPUR	CONC.	24
24		QUINOBEQUIN RD ACROSS FROM YORK	CONC.	12
24	A	QUINOBEQUIN RD 40' UPSTREAM OF NEW -25	CONC.	10
25		QUINOBEQUIN RD ACROSS FROM GOULD RD	VCP	30
25	A	QUINOBEQUIN RD BETWEEN #494 & #486 & ACROSS THE ROAD	CONC.	12

26		QUINOBEQUIN RD BETWEEN #478 & #470 & ACROSS THE ROAD	CONC.	18
27		QUINOBEQUIN RD ACROSS FROM ANNAWAN	PVC	14
27	A	QUINOBEQUIN RD 150' DOWNSTREAM OF ANNAWAN	CONC.	12
27	B	QUINOBEQUIN RD 75' DOWNSTREAM OF IRWIN RD	CONC.	12
28		QUINOBEQUIN RD BETWEEN #360 & #350 & ACROSS THE ROAD	VCP	12
28	A	QUINOBEQUIN RD ACROSS FROM #328 TWO HEADWALLS	DI/VCP	10"/10"
29		QUINOBEQUIN RD ACROSS FROM CARLTON @ PONTIAC RD	CONC.	18
29	A	QUINOBEQUIN RD ACROSS FROM #286	CONC.	15
30		QUINOBEQUIN RD ACROSS DHWINDA	VCP	10
30	A	QUINOBEQUIN RD ACROSS FROM #242	CONC.	10
30	B	QUINOBEQUIN RD ACROSS FROM #216	CONC.	10
30	C	QUINOBEQUIN RD ACROSS FROM #196	CONC.	10
30	D	QUINOBEQUIN RD ACROSS FROM #188	CONC.	10
31		QUINOBEQUIN RD @ VARICK RD 50' DOWNSTREAM OF NEW-30E	VCP	20
31	A	QUINOBEQUIN RD ACROSS FROM #164	CONC.	10
31	B	RT. 128 SOUTH NEAR NATURAL GAS PUMP STATION NEAR ROAD	ADS	10
31	C	RT. 128 SOUTH NEAR NATURAL GAS PUMP STATION NEAR RIVER	CMP	12
32		QUINOBEQUIN RD 100' NORTH OF ACCESS RD FOR 31 B & C	CONC.	36
32	A	QUINOBEQUIN RD 3' UPSTREAM FROM NEW-32	CONC.	24
33		WALES ST BETWEEN WASHINGTON ST	VCP	24
34		WASHINGTON ST ACROSS FROM EXECUTIVE PARK DR.	VCP	12
35		WASHINGTON ST #2300 NEXT TO ELDERLY HOUSING	CONC.	15
35	A	WASHINGTON ST #2300 NEXT TO ELDERLY HOUSING 2' FROM NEW-35	CONC.	12
36		WASHINGTON ST BEHIND #2310 CLOSER TO POST OFFICE	CONC.	24
36	A	WASHINGTON ST BEHIND POST OFFICE	CONC.	12
37		WASHINGTON ST BETWEEN LIQUOR STORE AND POST OFFICE	CONC.	12
37	A	WASHINGTON LIQUOR STORE BRIDGE WALL @ RIVER WEEP HOLES	VCP	3-4"
37	B	WASHINGTON ST.(LOWER FALLS) UNDER BRIDGE EAST BOUND SOUTH SIDE OF BRIDGE	VCP	12
38		WASHINGTON ST. (LOWER FALLS) UNDER BRIDGE WEST BOUND NORTH SIDE OF BRIDGE	VCP	12"
39		CONCORD ST ACROSS FROM CEMETERY	CONC.	10
40		CONCORD ST @ HAGAR ST JUST OVER FENCE IN WALL	CONC.	10
41		CONCORD ST OPPOSITE BAKER JUST UPSTREAM FROM OLD RR TRACKS	CONC.	15
42		GRAYSON LN. @ END STRAIGHT OUT FROM PUMP TO RIVER 50'UPSTRM	CONC.	12
43		CONCORD ST @ CHARLES RIVER OPPOSITE LEO J MARTIN GOLF COURSE	CONC.	15
44		CLEARWATER RD BETWEEN #74 & #78 @ RIVER	CONC.	36
44	A	DEFOREST @ RIVER NEAR 128 SOUTH 30' FROM 128S	CONC.	30
44	B	128N EXIT 25(RT. 90) BETWEEN RAMP & 128N 200' FROM RIVER BRIDGE	CONC.	30
44	C	128N AFTER PAST EXIT 23-25 100' BEFORE RIVER BRIDGE NEAR 128N	CONC.	12
44	D	128N EXIT 23-25 25' PAST EXIT 23 BETWEEN 128N & 24/25 RAMP 150'NORTH OF 44B	CONC.	12
45		DEFOREST REMOVED BY MASS HIGHWAY BY RIGHT OF WAY LAW		
46		RT. 128N EXIT 23 RECREATION RD 30' EAST OF RIVER BRIDGE	CONC.	12
47		GROVE ST MBTA BACK OF BUILDING 360' DOWNSTREAM FROM REC. RD.	CONC.	60
48		GROVE ST MBTA BACK OF BUILDING 500' DOWNSTREAM FROM NEW-47	CULVERT	36X48
49		RIVERSIDE RD BEHIND DCR BUILDING 75' FROM BRIDGE	CMP	18
49	A	CENTRAL ST BETWEEN 387 & 399 @ RIVER 30' UPSTREAM FROM FOOT BRIDGE	PVC	12
49	B	RIVERSIDE RD NEAR ANTIQUES MALL 100' UPSTREAM FROM RR BRIDGE.	VCP	5
50		EVERGREEN BEHIND FENCES NEXT TO RT. 90E	CONC.	12
51		OAKLAND AVE BETWEEN #69 & RT. 90 ON RAMP NEXT TO BRIDGE	CONC.	18
51	A	COMM AVE EAST BOUND @ BRIDGE 20' UPSTREAM FROM BRIDGE	CONC.	12
51	B	COMM AVE WEST BOUND @ BRIDGE 20' DOWNSTREAM FROM BRIDGE	CMP	12
52		COMM AVE. @ CRWA BUILDING 150' WEST OF BUILDING IN RIVER	VCP	20

52	A	COMM AVE. NEWTON MARRIOTT 30' FROM SOUTH CORNER OF BLDG.	CONC.	18
53		COMM AVE. MARRIOTT BACK LOT NORTH CORNER 65' FROM CB	CONC.	18
54		MALVERN TER. BETWEEN #17 & #9 @ RIVERS EDGE	CONC.	12
55		BETWEEN #264 ISLINGTON @ #1MALVERN @ RIVERS EDGE	CONC.	12
55	A	KINGSWOOD RD BETWEEN #85 & #81 OUTFALL 30' IN RIVER	VCP	10
56		ISLINGTON RD. EAST OF #296 UNDER WOODEN PLATFORM @ RIVER	CONC.	12
57		DUFFFIELD RD #37 NORTH EAST CORNER 60' FROM HOUSE	CONC.	12
58		COMM AVE LYONS FIELD 140' FROM MINOR LEAGUE HOME PLATE	CONC.	2-36"
58	A	COMM AVE LYONS FIELD 100' FROM MINOR LEAGUE HOME PLATE	CONC.	12
59		CHASKE AVE @ KAPOSIA 50' NORTH OF PUMP HOUSE PIPE ONLY	VCP	15
60		WEST PINE ST @ AUBURNDALE PLAYGROUND	PVC	14
60	A	83 STANIFORD AVE BACK LOT OF CONDOS BEHIND PINE TREES	CONC.	12
61		STANIFORD BEHIND SHED OF #79 BACK SIDE OF HILL IN WOODS	CONC.	12
62		STANIFORD 285' AWAY FROM #19 BACK SIDE OF DUMP BEHIND FENCE	CONC.	60
63		RIVERVIEW AVE #209 SOUTH EAST CORNER IN PARKING LOT	CONC.	12
64		FOREST GROVE DEWATERING PUMP	DI	12
65		RUMFORD AVE 85' BEHIND # 74 RUMFORD AVE. IN WALTHAM	CMP	60
65	A	WABASSO BEHIND DUMP NEAR LEACHATE PONDS TO RIVER	DI	18
65	B	ADAMS AVE @ #9 65B-0001	VCP	10
65	C	#39 UNDERWOOD AVE 65C-0001	CONC.	12
65	D	TOLMAN AVE @ LAUREL AVE. 65D-0001	VCP	8
65	E	PARMENTER RD @ #112 65D-0001	VCP	12
66		DECATUR ST IN CEMETERY IN WALTHAM 66-0001	CULVERT	48x60
67		NORTH ST @ #200 ST 67-0001	CONC.	14
68		ALBEMARLE RD #16 @ SPILL WAY (CHEESE CAKE BROOK)	DITCH	4X8
69		BEMIS RD END OF RD 75' OUT FROM ROAD	CONC.	12
70		WYOMING RD @ PARKWAY 100' FROM ROAD	CONC.	12
71		THAXTER @ PARKWAY	VCP	10
72		CALIFORNIA ST OPPOSITE COLONIAL UNDER WALK WAY BRIDGE	VCP	15
73		CALIFORNIA ST @ BRIDGE ST UPSTREAM FROM BRIDGE	CMP	24
74		CALIFORNIA ST BEHIND #315 75' BEHIND HOUSE	VCP	20
74	A	CALIFORNIA ST WEST OF THE 440 225' WEST OF BUILDING @ RIVER	CONC.	15
74	B	CALIFORNIA ST BEHIND 440 20' WEST OF PATH SITTING AREA @ RIVER	CONC.	12
75		RUSTIC @ END OF RD	DIP	12
75	A	RIVERDALE AVE END OF RD BEHIND #15	VCP	14
76		CALIFORNIA ST (DERBY BROOK) 76-0001	CULVERT	48X36
77		JACKSON RD IN LEFT FIELD 100' FROM HOME PLATE 77-0001	CULVERT	72x144
78		BOYD ST @ SOUTH PARK ST ON SOUTH PARK 78-0001	CONC.	20
79		CENTRE ST @ CARLETON 30' NORTH OF HYDRANT NEAR LINE 79-0001	CONC.	12
80		NONANTUM RD @ ISLAND FOR MAPLE ST @ RIVERS EDGE	VCP	10
80	A	NONANTUM RD BEHIND #62 MAPLE ST @ RIVERS EDGE	VCP	10
81		NONANTUM RD BEHIND END OF MAPLE ST. HYDE BROOK	CULVERT	60X66
81	A	NONANTUM RD 20' DOWNSTREAM FROM 81 HYDE BROOK	VCP	15
82		NONANTUM RD 170' DOWNSTREAM FROM NEW-81	CONC.	10
83		NONANTUM RD BEHIND # 23/25 ST JAMES TER.	CONC.	10
84		NONANTUM RD BEHIND 57/59 CHARLESBANK RD	CONC.	10
85		NONANTUM RD BEHIND #49 CHARLESBANK RD	CONC.	10
85	A	NONANTUM RD BEHIND #15/23 CHARLESBANK RD	CONC.	10
85	B	NONANTUM RD BEHIND #11 CHARLESBANK RD	CONC.	10
85	C	NONANTUM RD. 100' UPSTREAM FROM 86A	CONC.	10
86		NONANTUM RD 250' UPSTREAM FROM YACHT CLUB 2 LINES	RCP./CMP	12

CITY OF NEWTON
OUTFALL LOCATIONS

86	A	NONANTUM RD 50' UPSTREAM FROM NEW-86 UNDER DRAIN	VCP	10
87		NEXT DCR SKATING RINK 125' WEST OF BUILDING	CONC.	48
88		TREMONT ST @ PLAYSTEAD RD @ 88-0001	VCP	12
89		NONANTUM ST#4 @ BOSTON LINE @ 89-0001	VCP	12
90		ROGERS ST @ #23/BOSTON LINE 90-0001	VCP	10
91		KENDRICK ST @ NCGC ENTRANCE 91-0001 8' FROM CB @ ENTRANCE	VCP	14
92		VALLEY SPRING RD BEHIND #6 50' FROM HOUSE	CONC.	12
93		NCGC ENTRANCE TO CLUB HOUSE WEST SIDE OF ROAD 3' FROM ROAD	CONC.	42
93	A	NCGC BACKSIDE OF 13TH GREEN @ STREAM 50' UPSTREAM OF CART OVER PASS	VCP	12
94		NCGC MAINT. GAR. JUST OVER FENCE NEXT TO WALK WAY 94-0001	VCP	12
95		COMM AVE @ BOSTON LINE #2197 95-0001	BRK	24X36
96		BEACON ST @ BC NEAR RESERVOIR 96-0001	CULVERT	
97		RESERVOIR AVE @ BEACON ST BLIND TIE INTO MH 5' UPSTREAM 97-0001	VCP	12
98		CHESTNUT HILL TER. @ BEACON ST 4' FROM CURB 98-0001	VCP	12
98	A	MALIA TER @ BEACON ST 99-0001	VCP	12
98	B	CHESTNUT HILL MBTA STATION NORTH SIDE PLATFORM OUTFALL EAST OF PLATFORM	VCP	12
98	C	CHESTNUT HILL RD. BEHIND #222 LOWER HOUSE BEHIND FENCE	VCP	12
98	D	CHESTNUT HILL MBTA STATION SOUTH SIDE PLATFORM OUTFALL EAST OF PLATFORM	CONC.	10
99		MIDDLESEX RD 30' EAST OF DEVON RD @ BROOKLINE 99-0001	BRK	28X36
100		HAMMOND POND PARKWAY @ #2 EXECUTIVE OFFICE 100-0001	CULVERT	24X42
100	A	LOUISE RD#6 & #169 FLORENCE BACK CORNER OF YARD 100-0001A	CONC.	42
100	B	BOYLSTON ST NEW APTS MH IN BROOKLINE END OF ROAD 100-0001B	CONC.	12
101		OLD FARM RD BEHIND #248 @ SAW MILL BROOK	CONC.	2-36"