

**Fort Devens
Devens, Massachusetts**

**Year 1 Annual Report
Massachusetts Small MS4 General Permit
New Permittee
Permit No. MAR042053**

Permit Year 1
Reporting Period: May 1, 2018-June 30, 2019



**Fort Devens DPW Environmental
30 Quebec Street
Devens, MA 01434**

September 2019

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Attachments

Attachment A – Table of Permit Requirements and Timelines
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Acronyms and Abbreviations

BMP	Best Management Practice
DPW	Directorate of Public Works
EQCC	Environmental Quality Control Committee
GIS	Geospatial Information Software
MCM	Minimum Control Measure
MS4	Municipal Separate Storm Sewer System
NPDES	National Pollutant Discharge Elimination System
PWS	Performance Work Statement
OPSEC	Operational Security
SOP	Standard Operating Procedure
SPCC	Spill Prevention, Control, and Countermeasures
SWMP	Stormwater Management Plan
SWPPP	Stormwater Pollution Prevention Plan
TMDL	Total Maximum Daily Load

1.0 Permit and Contact Information

1.1 Permittee Name and Permit Number

The Municipal Separate Storm Sewer System (MS4) permittee name is Fort Devens and the National Pollutant Discharge Elimination System (NPDES) Permit number is MAR042053.

1.2 Primary MS4 Program Manager Contact Information

Emily Babbitt De Nicasio – Environmental Chief
30 Quebec Street
Devens, MA 01434

Phone: (978) 615-6096
Email: emily.c.babbittdenicasio.civ@mail.mil
Fax: (978) 615-6097

Mark Mirabella – Environmental Specialist
30 Quebec Street
Devens, MA 01434

Phone: (978) 615-6106
Email: mark.a.mirabella.civ@mail.mil
Fax: (978) 615-6097

1.3 Stormwater Management Program (SWMP) Information

The Stormwater Management Program (SWMP) was not completed within the reporting period of 30 May 2018 to 30 June 2019. Authorization under the permit was received on 2 July 2019. Now that authorization has been received, the SWMP will be completed, as expeditiously as possible, during the next reporting cycle.

The SWMP will be made available at the Fort Devens Directorate of Public Works (DPW) Environmental Office and DPW internal server. The SWMP will not be placed on the Fort Devens website, accessible to the general public, due to Operational Security (OPSEC) concerns. The public can request documents from the DPW through the contact information in section 1.2.

1.4 Annual Report Permit Year and Reporting Period

This annual report describes the activities for the first permit year and the reporting period is May 30, 2018 to June 30, 2019.

2.0 Self-Assessment

The following annual requirements were completed during the reporting period:

- Keep records relating to the permit available for 5 years and make available to the public

Records related to the MS4 permit are being stored at the DPW Environmental office in hard copy and electronically. Records will be made available for 5 years and made available to the public.

The following Year 1 and annual requirements were not completed during the reporting period:

- Develop and begin public education and outreach program
- Annual opportunity for public participation in review and implementation of SWMP
- Comply with State Public Notice requirements
- Properly store and dispose of catch basin cleanings and street sweepings so they do not discharge to receiving waters

Requirements have not been completed for public education and outreach program during this reporting period. Fort Devens will complete the public education requirements within the revised timeline listed in part 1.10.3 of the permit. A revised timeline is available in Attachment A.

The annual opportunity for public participation in review and implementation of SWMP did not occur during this reporting period, as the SWMP was not completed. The opportunity for public participation in review and implementation will occur, during the next reporting period, when the SWMP has been prepared.

A public notice was not submitted for this reporting period, as the SWMP was not completed in the reporting period. A public notice will be submitted when the SWMP is completed.

Street sweeping and catch basin cleaning did not occur in the reporting period. Therefore there was no storage and disposal of cleanings and sweepings.

3.0 Receiving Waters/Impaired Waters/TMDL

No changes were made to the list of receiving waters, outfalls, or impairments since the Notice of Intent (NOI) was submitted.

4.0 Minimum Control Measures (MCMs)

The minimum control measures (MCMs) are the tools of the SWMP to develop, implement and enforce the MS4 permit. The following sections report the progress made in each MCM during the reporting period.

4.1 MCM1 – Public Education

Public Education messages about stormwater were not distributed in the reporting period. Public education messages will be distributed in accordance with the revised permit timeline listed in section 1.10.3 of the permit and presented in Attachment A.

Annual messages relating to requirements for Appendix H of the permit will be assembled and distributed during the next reporting period, now that authorization under the permit has been issued, in accordance with the revised permit timeline listed in section 1.10.3 of the permit and presented in Attachment A.

4.2 MCM2 – Public Participation

Progress on the NOI and future planning was conducted during the Environmental Quality Control Committee (EQCC) quarterly meetings of the reporting period.

Public participation through the EQCC was listed under MCM1 in the NOI. The EQCC will likely be utilized for multiple MCMs under this permit in future reporting years.

4.3 MCM3: Illicit Discharge Detection and Elimination (IDDE)

The Illicit Discharge Detection and Elimination (IDDE) MCM includes multiple components to report on: Sanitary Sewer Overflows, MS4 mapping, Outfall Screening, Catchment Investigation, IDDE progress, and Employee training.

4.3.1 Sanitary Sewer Overflows (SSOs)

Sanitary Sewer Overflows (SSOs) were not identified during the reporting period. Fort Devens will complete an inventory of SSOs in accordance with the revised permit timeline listed in section 1.10.3 of the permit and presented in Attachment A.

Below, report on the number of SSOs identified in the MS4 system and removed during this reporting period.

Number of SSOs identified: 0

Number of SSOs removed: 0

Below, report on the total number of SSOs identified in the MS4 system and removed to date. At a minimum, report SSOs identified since 2013.

Number of SSOs identified: 1

Number of SSOs removed: 1

On 7 April 2015, a traffic cone became stuck in the sanitary sewer line on Lovell street causing a backup of wastewater into the street and then into the Nashua River. The traffic cone was

removed with a vacuum truck by the MassDev utility department. MassDEP and the Nashoba Board of Health were notified of the incident. 8,200 gallons were estimated to have discharged to the Nashua River.

4.3.2 MS4 Mapping

MS4 system mapping has been an ongoing effort. Current system mapping is conducted in geospatial information software (GIS). A copy of the current stormwater mapbook is attached as Attachment B.

4.3.3 Screening of Outfalls

No screening of outfalls or interconnections occurred during the reporting period. Screening of outfalls is planned in upcoming reporting years in accordance with the revised timeline listed in section 1.10.3 of the permit and listed in Attachment A. Documentation relating to the screening of outfalls will be kept in the DPW Environmental office.

Below, report on the number of outfalls/interconnections screened during this reporting period.

Number of outfalls screened: 0

Below, report on the percent of total outfalls/interconnections screened to date.

Percent of total outfalls screened: 0%

4.3.4 Catchment Investigations

Catchment investigations were not conducted during the reporting period. Catchment investigations are planned in upcoming reporting years in accordance with the revised timeline listed in section 1.10.3 of the permit and in Attachment A. Documentation related to catchment investigation progress will be kept in the DPW environmental office.

Below, report on the number of catchment investigations completed during this reporting period.

Number of catchment investigations completed this reporting period: 0

Below, report on the percent of catchments investigated to date.

Percent of total catchments investigated: 0%

4.3.5 IDDE Progress

IDDE investigations were not conducted during the reporting period. No discharges were reported. IDDE investigations are planned in upcoming reporting years in accordance with the revised timeline listed in section 1.10.3 of the permit and Attachment A. Documentation related to IDDE progress will be kept in the DPW environmental office.

Below, report on the number of illicit discharges identified and removed, along with the volume of sewage removed during this reporting period.

Number of illicit discharges identified: 0

Number of illicit discharges removed: 0

Estimated volume of sewage removed: 0

Below, report on the total number of illicit discharges identified and removed to date. At a minimum, report on the number of illicit discharges identified and removed since the effective date of the permit.

Total number of illicit discharges identified: 0

Total number of illicit discharges removed: 0

4.3.6 Employee Training

Employee training related to stormwater was not conducted during the reporting period. Training is planned in upcoming reporting years in accordance with the revised timeline listed in section 1.10.3 of the permit and in Attachment A.

4.4 MCM4: Construction Site Stormwater Runoff Control

Construction site plan reviews were conducted for one upcoming construction project. Plans and submittals under the CGP were reviewed. The project did not break ground during the reporting period, therefore no inspections or enforcement actions were completed or taken. Project progress will continue to be documented during the next reporting year annual report.

Below, report on the construction site plan reviews, inspections, and enforcement actions completed during this reporting period.

Number of site plan reviews completed: 1

Number of inspections completed: 0

Number of enforcement actions taken: 0

4.5 MCM5: Post-Construction Stormwater Management in New Development and Redevelopment

Post-construction stormwater management in new development and redevelopment MCM includes multiple components for reporting: Ordinance Development, as-built drawings, street design and parking lots, green infrastructure report, and retrofit property inventory.

4.5.1 Ordinance Development

Post construction ordinance has not been developed. Fort Devens will assess if an ordinance is a viable course of action. As stated in section 5.1 of the permit, an ordinance may not be required for a non-traditional MS4.

4.5.2 As-Built Drawings

As-built drawings are required on all construction projects occurring on Fort Devens. The information is added to GIS and AutoCADD databases. Databases are continually updated as new information is provided.

4.5.3 Street Design and Parking Lots Report

The Street Design and Parking Lots report has not been completed. The report will be completed by year four of the permit term, in accordance with the revised timeline listed in section 1.10.3 of the permit and in Attachment A.

4.5.4 Green Infrastructure Report

The Green Infrastructure Report has not been completed. The report will be completed by year four of the permit term, in accordance with the revised timeline listed in section 1.10.3 of the permit and in Attachment A.

4.5.5 Retrofit Property Inventory

The Retrofit Properties Inventory has not been completed. The inventory will be completed by year four of the permit term, in accordance with the revised timeline listed in section 1.10.3 of the permit and in Attachment A.

4.6 MCM6: Good Housekeeping

The good housekeeping MCM includes multiple components to report on: catch basin cleaning, street sweeping, road maintenance, inventory of permittee owned properties, O&M procedures for parks, open spaces, buildings and facilities, and vehicles and equipment, and SWPPP.

4.6.1 Catch Basin Cleaning

Catch basin cleaning did not occur during the reporting year. A new contract for street sweeping and catch basin cleaning is in process. The contract will be in place for the next reporting year. Catch basin cleaning will be conducted once in the spring, April or May, and once in the fall, October or November.

A catch basin cleaning optimization plan has not been completed. The catch basin cleaning optimization plan will be completed as soon as possible and in accordance with the revised

permit schedule. The catch basin cleaning optimization plan or schedule will be kept in the DPW environmental office and DPW internal server when completed. Due to OPSEC concerns, plans will not be kept on the Fort Devens website for public availability. The public can request documents from the DPW through the contact information in section 1.2.

Below, report on the number of catch basins inspected and cleaned, along with the total volume of material removed from the catch basins during this reporting period.

Number of catch basins inspected: 0

Number of catch basins cleaned: 0

Total volume or mass of material removed from all catch basins: 0

Below, report on the total number of catch basins in the MS4 system, if known.

Total number of catch basins: 286 (Main Post: 240 and 3400 Area: 46)

4.6.2 Street Sweeping

Street sweeping has not been conducted during the reporting year. A new contract for street sweeping and catch basin cleaning is in progress. The contract is expected to be in place for the second reporting year.

Current written procedures are documented in the Performance Work Statement (PWS) in the Street Sweeping contract.

Report on street sweeping completed during the reporting period using one of the three metrics below.

Number of miles cleaned: 0

Volume of material removed: 0

Weight of material removed: 0

4.6.3 Road Maintenance

Winter road maintenance is conducted by the DPW including plowing, salting/sanding, and shoveling. Salt and sand is delivered to the site in 30-ton loads by truck. Salt and sand mix is stored in two locations at Fort Devens. Both storage areas are covered structures.

4.6.4 Inventory of Permittee-Owned Properties

An inventory of permittee-owned facilities is ongoing. The inventory will be completed within year two of the permit term.

4.6.5 O&M Procedures for Parks, Open Spaces, Buildings and Facilities, and Vehicles and Equipment

Current O&M procedures for Parks, Open Spaces, Buildings and Facilities, and Vehicles and Equipment are the AR-200 and other Army Regulations. Fort Devens will assess if additional O&M procedures are needed and provide a response at the end of year two of the permit term.

4.6.6 Stormwater Pollution Prevention Plan (SWPPP)

The SWPPP will be updated during the next four years, according to the revised schedule listed in section 1.10.3 of the permit and Appendix A.

Below, report on the number of site inspections for facilities that require a SWPPP completed during this reporting period.

Number of site inspections completed: 0

Describe any corrective actions taken at a facility with a SWPPP: Corrective actions have not been required at any facilities with a SWPPP.

4.6.7 O&M Procedures for Stormwater Treatment Structures

Installation wide procedures for stormwater treatment structure maintenance are not currently available. Written procedures for stormwater treatment structure maintenance will be created during the next four years, according to the revised schedule listed in section 1.10.3 of the permit and Appendix A.

5.0 Additional Information

5.1 Monitoring or Study Results

No monitoring or study results from stormwater or receiving water quality were conducted during the reporting period.

5.2 Activities Planned for Next Reporting Period

Please confirm that your SWMP has been, or will be, updated to comply with all applicable permit requirements including but not limited to the year two requirements summarized below.

Yes, I agree _____

5.2.1 Annual Requirements implementation

The following list summarizes the stormwater activities planned by the Fort Devens during the 1 July 2019 to 30 June 2020 MS4 permit reporting cycle (Permit Year Two for the MS4 permit).

MCM 1 – Public Education

- Create and provide brochure in paper and digital format for distribution to the public
- Create and provide newsletter or notification to provide seasonal reminders for water quality BMPs: lawn care, pet waste, use of salt/de-icing materials, Appendix H of the permit requirements, etc.
- Begin to mark storm drains
- Participate in planning meetings for future projects
- Post information on location of stormwater plan on website and provide updates on stormwater program, regulations, and procedures
- Create and provide brochures to prospective contractors with general information on stormwater program and rules/regulations
- Meet and participate with the Nashua River Watershed association
- Provide information on sustainability and ways to reduce water use and reduce waste generated. Provide updates to website providing information for the topics.

MCM 2 - Public Involvement and Participation

- Complete SWMP
- Review of SWMP by DPW staff
- Have a public meeting and provide Annual training and updates to employees and public
- Provide space on Environmental page of website for reporting problems, violations, etc.
- Perform cleanups through contracts and volunteer activities
- Make SWMP and Annual Reports available for review by public
- Participate in Nashua River Watershed Association meeting or event

MCM 3 - Illicit Discharge Detection and Elimination

- Conduct annual training related to IDDE
- Conduct dry weather and wet weather screening (as necessary)
- Continue to update outfalls and interconnections in GIS database.

MCM 4 - Construction Site Stormwater Runoff Control

- Fort Devens will continue construction project inspections in support of this program.
- Reviews of project plans and SWPPPs for new construction projects will be performed, as applicable.
- Continue to promote green infrastructure and LID

MCM 5 - Post-Construction Stormwater Management in New Development and Redevelopment

- Provide training on stormwater related topics
- Continue to require as-builts for new construction projects

MCM 6 - Good Housekeeping

- Cleaning of catch basins annually

- Street sweeping annually

Requirements Related to Water Quality Limited Waterbodies:

Phosphorus

- Distribute an annual message in the summer (June/July) timeframe encouraging the proper management of pet waste, including noting any existing ordinances where appropriate.
- Distribute an annual message in the fall (August/September/October) timeframe encouraging the proper disposal of leaf litter.
- Amend ordinance and other regulations to include a requirement that new development and redevelopment stormwater management BMPs be optimized for phosphorus removal.

E-Coli

- Distribute annual message encouraging the proper management of pet waste, including noting any existing ordinances where appropriate.
- Distribute annual message providing information about proper septic system maintenance.

6.0 Signed Certification Statement

40 CFR 144.32(d) Certification

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate 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, I certify that 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.

Permit Number: MAR042053

Print Name: _____ Title: _____

Responsible Official Signature: _____ Date: _____

ATTACHMENT A

Summary of Stormwater Activities Planned for the Permit

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Appendix A - Fort Devens MS4 General Permit Schedule Effective Date 1 July 2018

Reference	Requirement	Permit Language	Due Date	Permit Year
1.1	Create a SWMP	Within one year of permit effective date	30-Jun-19	1
4.4	Annual report for 1 May 2018 - 30 June 2019.	Covers year 1 of the permit	30-Sep-19	1
4.4	Annual report for 1 July 2019 - 30 June 2020.	Covers year 2 of the permit	30-Sep-20	2
1.0.1	Plan must be made available to the public and regulators, in hard copy during normal business hours, and on the website	Within one year of permit effective date	30-Jun-19	1
2.3.2	Educational Message	Reference 1.10.3 - only one message is needed	30-Jun-22	Before Year 4
2.3.3	Annual review by public of Annual reports and SWMP updates	Every Year	Annually	2, 3, 4, 5
2.3.4.4	Within one (1) year of the effective date of the permit, the permittee shall develop an inventory of all identified SSOs	Within one year of permit effective date. Part 1.10 extends this by 3 years	30-Jun-22	3
2.3.4.5	Phase I: The system map shall be updated within two (2) years of the permit effective date	Within 2 years of permit effective date. Section 1.10 adds 3 years to implementation	30-Jun-23	5
2.3.4.5	Phase II: The system map shall be updated annually as the following information becomes available during implementation of catchment investigation procedures in part 2.3.4.8. This information must be included in the map for all outfalls within ten (10) years of the permit effective date:	Within 10 years of permit effective date	30-Jun-28	10
2.3.4.6	The written (hardcopy or electronic) IDDE program shall be completed within one (1) year of the effective date of the permit and updated in accordance with the milestones of this part. The permittee shall implement the IDDE program in accordance with the goals and milestones contained in this part.	Within one year of permit effective date. Part 1.10 extends this by 3 years	30-Jun-22	4

Reference	Requirement	Permit Language	Due Date	Permit Year
2.3.4.7	An initial outfall and interconnection inventory and priority ranking to assess illicit discharge potential based on existing information shall be completed within one (1) year from the effective date of the permit; an updated inventory and ranking will be provided in each annual report thereafter. The inventory shall be updated annually to include data collected in connection with the dry weather screening and other relevant inspections conducted by the permittee.	Within one year of permit effective date. Part 1.10 extends this by 3 years	30-Jun-22	4
2.3.4.7	The permittee shall develop an outfall and interconnection screening and sampling procedure to be included in the IDDE program within one (1) year of the permit effective date.	Within one year of permit effective date. Part 1.10 extends this by 3 years	30-Jun-22	4
2.3.4.7	All outfalls/interconnections (excluding Problem and excluded Outfalls) shall be inspected for the presence of dry weather flow within three (3) years of the permit effective date. The permittee shall screen all High and Low Priority Outfalls in accordance with their initial ranking developed at part 2.3.4.7.a	Within 3 years of permit effective date. Part 1.10 extends this 3 years	30-Jun-24	4
2.3.4.7	The ranking can be updated continuously as dry weather screening information becomes available, but shall be completed within three (3) years of the effective date of the permit.	Within 3 years of permit effective date. Part 1.10 extends this 3 years	30-Jun-24	6
2.3.4.8	A written catchment investigation procedure shall be developed within 18 months of the permit effective date in accordance with the requirements of part 2.3.4.8.b below.	Within 18 months of permit effective date. Part 1.10 extends this by 3 ears	30-Dec-22	4
2.3.4.8	Investigations of catchments associated with Problem Outfalls shall begin no later than two (2) years from the permit effective date	Within 2 years of permit effective date. Section 1.10 adds 3 years to implementation	30-Jun-23	5
2.3.4.8	Investigations of catchments associated with Problem Outfalls shall be completed within seven (7) years of the permit effective date. Investigations of catchments where any information gathered on the outfall/interconnection identifies sewer input shall be completed within seven (7) years of the permit effective date	Within 7 years of permit effective date. Part 1.10 extends this by 3 years.	30-Jun-28	10
2.3.4.8	Investigations of catchments associated with all High- and Low-Priority Outfalls shall be completed within ten (10) years of the permit effective date	Within 10 years of permit effective date. Section 1.10 extends this by 3 years.	30-Jun-31	13

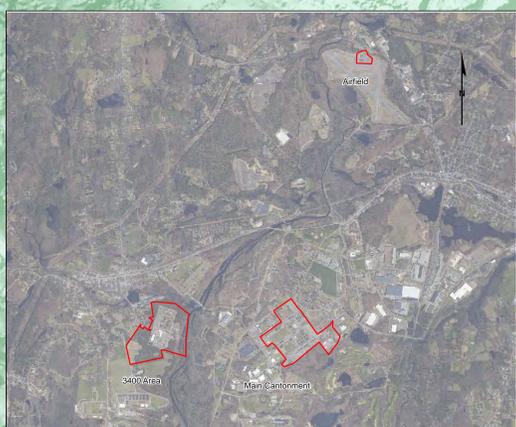
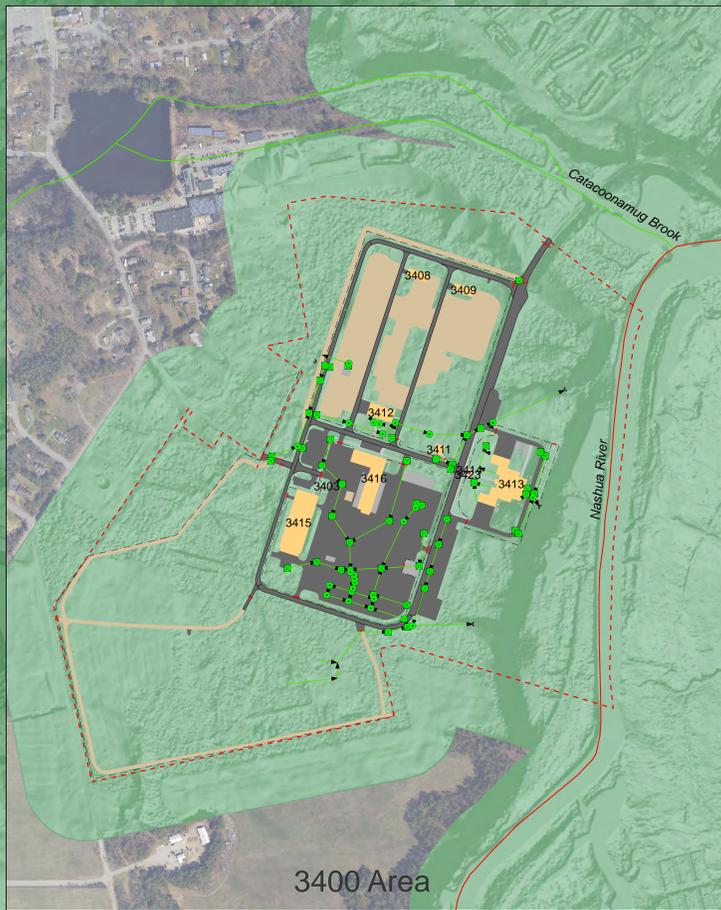
Reference	Requirement	Permit Language	Due Date	Permit Year
2.3.5	Written (hardcopy or electronic) procedures for site inspections and enforcement of sediment and erosion control measures. If not already existing, these procedures shall be completed within one (1) year from the effective date of the permit.	Within one year of permit effective date. Part 1.10 extends this by 2 years	30-Jun-21	3
2.3.6	The permittee shall develop or modify, as appropriate, an ordinance or other regulatory mechanism within two (2) years of the effective date of the permit to contain provisions that are at least as stringent as the following:	Within 2 years of permit effective date. Section 1.10 extends this to within 3 years	30-Jun-24	5 or not required
2.3.6	Within four (4) years of the effective date of this permit, the permittee shall develop a report assessing current street design and parking lot guidelines and other local requirements that affect the creation of impervious cover.	Within 4 years of permit effective date	30-Jun-22	4
2.3.6	Within four (4) years from the effective date of the permit, the permittee shall develop a report assessing existing local regulations to determine the feasibility of making, at a minimum, the following practices allowable when appropriate site conditions exist: i. Green roofs; ii. Infiltration practices such as rain gardens, curb extensions, planter gardens, porous and pervious pavements, and other designs to manage stormwater using landscaping and structured or augmented soils; and iii. Water harvesting devices such as rain barrels and cisterns, and the use of stormwater for non-potable use	Not required because Devens is a non-traditional MS4	N/A	N/A
2.3.6	Four (4) years from the effective date of this permit, the permittee shall identify a minimum of 5 permittee-owned properties that could potentially be modified or retrofitted with BMPs designed to reduce the frequency, volume, and pollutant loads of stormwater discharges to and from its MS4 through the reduction of impervious area.	Within 4 years of permit effective date	30-Jun-22	4
2.3.7	Within two (2) years from the effective date of the permit, the permittee shall develop, if not already developed, written (hardcopy or electronic) operations and maintenance procedures for the municipal activities listed below in part 2.3.7.a.ii. These written procedures shall be included as part of the SWMP. ii. Within two (2) year of the effective date of this permit, the permittee shall develop an inventory of all permittee owned facilities within the categories listed below. The permittee shall review this inventory annually and update as necessary.	Within 2 years of permit effective date. Part 1.10 extends this by 2 years.	30-Jun-22	4

Reference	Requirement	Permit Language	Due Date	Permit Year
2.3.7	The permittee shall establish within two (2) year of the effective date of the permit a written (hardcopy or electronic) program detailing the activities and procedures the permittee will implement so that the MS4 infrastructure is maintained in a timely manner to reduce the discharge of pollutants from the MS4.	Within 2 years of permit effective date. Part 1.10 extends this by 2 years.	30-Jun-22	4
2.3.7	<p>3. The permittee shall establish and implement procedures for sweeping and/or cleaning streets, and permittee-owned parking lots. All streets with the exception of rural uncurbed roads with no catch basins or high speed limited access highways shall be swept and/or cleaned a minimum of once per year in the spring (following winter activities such as sanding). The procedures shall also include more frequent sweeping of targeted areas determined by the permittee on the basis of pollutant load reduction potential, based on inspections, pollutant loads, catch basin cleaning or inspection results, land use, water quality limited or TMDL waters or other relevant factors as determined by the permittee. The permittee shall report in each annual report the number of miles cleaned or the volume or mass of material removed.</p> <p>For rural uncurbed roadways with no catch basins and limited access highways, the permittee shall either meet the minimum frequencies above, or develop and implement an inspection, documentation and targeted sweeping plan within two (2) years of the effective date of the permit, and submit such plan with its year one annual report.</p>	Within 2 years of permit effective date. Part 1.10 extends this by 2 years.	30-Jun-22	4
2.3.7	No later than two (2) years from the effective date of the permit, the permittee shall develop and implement a written (hardcopy or electronic) SWPPP for the facilities described above. The SWPPP shall be signed in accordance with the signatory requirements of Appendix B – Subparagraph 11.	Within 2 years of permit effective date. Part 1.10 extends this by 2 years.	30-Jun-22	4
H.II.1.a.i.1	Distribute an annual message in the summer (June/July) timeframe encouraging the proper management of pet waste, including noting any existing ordinances where appropriate.	June/July annually	1-Jul-20	2, 3, 4, 5
H.II.1.a.i.1	Distribute an annual message in the fall (August/September/October) timeframe encouraging the proper disposal of leaf litter.	August-October annually	Aug-20	2, 3, 4, 5
H.II.1.a.i.2	Amend ordinance and other regulations to include a requirement that new development and redevelopment stormwater management BMPs be optimized for phosphorus removal.	As new development occurs	As needed	As Needed
H.II.1.a.i.3	Amend procedures to properly manage grass cuttings, leaf litter, and street sweeping on permittee property.	No date requirement given	As needed	As Needed
H.III.2.a	Distribute annual message encouraging the proper management of pet waste, including noting any existing ordinances where appropriate.	June/July annually	1-Jul-20	2, 3, 4, 5

Reference	Requirement	Permit Language	Due Date	Permit Year
H.III.2.a	Distribute annual message providing information about proper septic system maintenance.	Annually	1-Jul-20	2, 3, 4, 5

ATTACHMENT B
Stormwater Mapbook

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Mass DEP 2014 Integrated Waters Data - 305(b)/303(d)

Water Body Segments - Rivers

Category

- 2 - Attaining some uses; other uses not assessed
- 3 - No uses assessed
- 4A - Impaired - TMDL is completed
- 4C - Impairment not caused by a pollutant
- 5 - Impaired - TMDL required

Water Body Segments - Lakes, Estuaries

Category

- 2 - Attaining some uses; other uses not assessed
- 3 - No uses assessed
- 4A - Impaired - TMDL is completed
- 4C - Impairment not caused by a pollutant
- 5 - Impaired - TMDL required

Legend

- Stormwater Inlet
- Stormwater Junction
- Stormwater Line
- Culvert
- Headwall
- Building
- Canopy
- Slab
- Fence
- Gate
- Paved Surface
- Unpaved Surface
- RoadCenterline
- Sidewalk
- Installation Boundary

No Scale
Digital elevation model dated October 2010

**Devens RFTA
Storm Sewer System**

Directorate of Public Works
Devens Reserve Forces Training Area
30 Quebec Street Box 10
Devens, MA 01434-4479

Prepared By R. Spencer, 2 August 2018