

Year 2 Annual Report
Massachusetts Small MS4 General Permit
Reporting Period: July 1, 2019-June 30, 2020

Please DO NOT attach any documents to this form. Instead, attach all requested documents to an email when submitting the form

Unless otherwise noted, all fields are required to be filled out. If a field is left blank, it will be assumed the requirement or task has not been completed. Please ONLY report on activities between July 1, 2019 and June 30, 2020 unless otherwise requested.

Part I: Contact Information

Name of Municipality or Organization:

EPA NPDES Permit Number:

Primary MS4 Program Manager Contact Information

Name: Title:

Street Address Line 1:

Street Address Line 2:

City: State: Zip Code:

Email: Phone Number:

Stormwater Management Program (SWMP) Information

SWMP Location (web address):

Date SWMP was Last Updated:

If the SWMP is not available on the web please provide the physical address:

Hanscom AFB's SWMP contains sensitive information regarding the infrastructure of a military installation which is considered "controlled unclassified information" under Federal law. The SWMP and its supporting documentation is available to the public at the max.gov protected website noted above but only upon specific written request to the Hanscom AFB stormwater coordinator. Instructions on requesting access are included in the annual public notice that Hanscom AFB issues in local newspapers and in the annual report. For access, please contact the stormwater coordinator identified above for instructions on obtaining access.

Part II: Self-Assessment

First, in the box below, select the impairment(s) and/or TMDL(s) that are applicable to your MS4. Make sure you are referring to the most recent EPA approved Section 303(d) Impaired Waters List which can be found here: <https://www.epa.gov/tmdl/region-1-impaired-waters-and-303d-lists-state>

<u>Impairment(s)</u>			
<input checked="" type="checkbox"/> Bacteria/Pathogens	<input type="checkbox"/> Chloride	<input type="checkbox"/> Nitrogen	<input checked="" type="checkbox"/> Phosphorus
<input type="checkbox"/> Solids/ Oil/ Grease (Hydrocarbons)/ Metals			
<u>TMDL(s)</u>			
<i>In State:</i>	<input type="checkbox"/> Assabet River Phosphorus	<input checked="" type="checkbox"/> Bacteria and Pathogen	<input type="checkbox"/> Cape Cod Nitrogen
	<input type="checkbox"/> Charles River Watershed Phosphorus	<input type="checkbox"/> Lake and Pond Phosphorus	
<i>Out of State:</i>	<input type="checkbox"/> Bacteria/Pathogens	<input type="checkbox"/> Metals	<input type="checkbox"/> Nitrogen
			<input type="checkbox"/> Phosphorus
			Clear Impairments and TMDLs

Next, check off all requirements below that have been completed. **By checking each box you are certifying that you have completed that permit requirement fully.** If you have not completed a requirement leave the box unchecked. Additional information will be requested in later sections.

Year 2 Requirements

- Completed Phase I of system mapping
- Developed a written catchment investigation procedure and added the procedure to the SWMP
- Developed written procedures to require the submission of as-built drawings and ensure the long term operation and maintenance of completed construction sites and added these procedures to the SWMP
- Enclosed or covered storage piles of salt or piles containing salt used for deicing or other purposes
- Developed written operations and maintenance procedures for parks and open space, buildings and facilities, and vehicles and equipment and added these procedures to the SWMP
- Developed an inventory of all permittee owned facilities in the categories of parks and open space, buildings and facilities, and vehicles and equipment and added this inventory to the SWMP
- Completed a written program for MS4 infrastructure maintenance to reduce the discharge of pollutants
 - Developed written SWPPPs, included in the SWMP, for all of the following permittee owned or
 - operated facilities: maintenance garages, public works yards, transfer stations, and other waste handling facilities where pollutants are exposed to stormwater

Optional: If you would like to describe progress made on any incomplete requirements listed above, provide any additional information, and/or if any of the above year 2 requirements could not be completed due to the impacts of COVID-19, please identify the requirement that could not be completed, any actions taken to attempt to complete the requirement, and reason the requirement could not be completed below:

See applicable sections below.

Annual Requirements

- Provided an opportunity for public participation in review and implementation of SWMP and complied with State Public Notice requirements
- Kept records relating to the permit available for 5 years and made available to the public
- The SSO inventory has been updated, including the status of mitigation and corrective measures implemented
 - This is not applicable because we do not have sanitary sewer
 - This is not applicable because we did not find any new SSOs
 - The updated SSO inventory is attached to the email submission
 - The updated SSO inventory can be found at the following website:
- Properly stored and disposed of catch basin cleanings and street sweepings so they did not discharge to receiving waters
- Provided training to employees involved in IDDE program within the reporting period
- All curbed roadways were swept at least once within the reporting period
- Updated outfall and interconnection inventory and priority ranking as needed

Optional: If you would like to describe progress made on any incomplete requirements listed above, provide any additional information, and/or if any of the above annual requirements could not be completed due to the impacts of COVID-19, please identify the requirement that could not be completed, any actions taken to attempt to complete the requirement, and reason the requirement could not be completed below:

The IDDE Training Program Plan was completed in September 2019. IDDE training was not conducted during the reporting period as there were no new employees which required training and the IDDE implementation had not yet begun. No IDDE dry weather outfall screening/sampling was completed in year 2. All outfall screening will be completed in year 3 and training conducted at the appropriate time.

No updates to the outfall and interconnection inventory or priority ranking were necessary during year 2 as the physical IDDE assessment program is scheduled to begin in September 2020 and be completed by July 2021.

Bacteria/ Pathogens (Combination of Impaired Waters Requirements and TMDL Requirements as Applicable)Annual Requirements*Public Education and Outreach**

- Annual message was distributed encouraging the proper management of pet waste, including noting any existing ordinances where appropriate
- Permittee or its agents disseminated educational material to dog owners at the time of issuance or renewal of dog license, or other appropriate time
- Provided information to owners of septic systems about proper maintenance in any catchment that discharges to a water body impaired for bacteria

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

Optional: If you would like to describe progress made on any incomplete requirements listed above or provide any additional details, please use the box below:

Outreach messages related to pet waste management are typically sent to targeted audiences in April of each year. Hanscom AFB was put on lockdown in March 2020 due to COVID-19 with mandatory teleworking except for essential personnel, through the end of the reporting period. Therefore, public outreach related to pet waste was not accomplished during the reporting period. Public outreach for pet waste management will resume in Spring 2021.

There are no septic systems on HAFB.

Phosphorus (Combination of Impaired Waters Requirements and TMDL Requirements as Applicable)

Annual Requirements

*Public Education and Outreach**

- Distributed an annual message in the spring (April/May) encouraging the proper use and disposal of grass clippings and encouraging the proper use of slow-release and phosphorus-free fertilizers
- Distributed an annual message in the summer (June/July) encouraging the proper management of pet waste, including noting any existing ordinances where appropriate
- Distributed an annual message in the fall (August/September/October) encouraging the proper disposal of leaf litter

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

Good Housekeeping and Pollution Prevention for Permittee Owned Operations

- Increased 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)

Potential structural BMPs

- Any structural BMPs already existing or installed in the regulated area by the permittee or its agents was tracked and the phosphorus removal by the BMP was estimated consistent with Attachment 3 to Appendix F. The BMP type, total area treated by the BMP, the design storage volume of the BMP and the estimated phosphorus removed in mass per year by the BMP were documented.

- The BMP information is attached to the email submission
- The BMP information can be found at the following website:

Optional: If you would like to describe progress made on any incomplete requirements listed above or provide any additional details, please use the box below:

Public Education and Outreach: Collection and disposal of grass and leaf material and proper fertilizer application is accomplished wholly by in-house maintenance personnel (no residents). Annual update of and training on the Landscape and Grounds Maintenance Plan is required and serves as the target message for these activities. This was accomplished on May 15, 2020. Outreach messages related to pet waste

management are typically sent to targeted audiences in April of each year. Hanscom AFB was put on lockdown in March 2020 due to COVID-19 with mandatory teleworking except for essential personnel, through the end of the reporting period. Therefore, public outreach related to pet waste was not accomplished during the reporting period. Public outreach for pet waste management will resume in Spring 2021.

Good Housekeeping and Pollution Prevention for Permittee Owned Operations: The street sweeper broke down in September, 2019 and was sent in for repairs. As of July 2020, the sweeper was still out of operation. In the interim and for continued compliance with the permit, workers used leaf blowers to clean streets and sidewalks. Once the street sweeper is operable, Hanscom AFB will return to the 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).

Potential structural BMPs: Existing and enhanced BMPs implemented at HAFB are non-structural and are detailed in the SWMP dated March, 2020. Hanscom AFB currently implements and updates these non-structural BMPs as needed, to achieve the 2016 MA MS4 Appendix H Provisions. The Phosphorus Source Identification Report as required under Part II.1.b of Appendix H will be completed in Year 4 (2022) of the permit.

Optional: Use the box below to provide any additional information you would like to share as part of your self-assessment:

Part III: Receiving Waters/Impaired Waters/TMDL

Have you made any changes to your lists of receiving waters, outfalls, or impairments since the NOI was submitted?

- Yes
 No

If yes, describe below, including any relevant impairments or TMDLs:

Receiving waters and impairments remain unchanged. The outfalls were re-inventoried and ranked in Year 1 of the permit as part of the finalization of the IDDE plan.

Part IV: Minimum Control Measures

Please fill out all of the metrics below. If applicable, include in the description who completed the task if completed by a third party.

MCM1: Public Education

Number of educational messages completed during this reporting period:

Below, report on the educational messages completed during this reporting period. For the measurable goal(s) please describe the method/measures used to assess the overall effectiveness of the educational program.

BMP: Facility Managers Briefing Presentation

Message Description and Distribution Method:

HAFB will brief stormwater quality issues and guidance at the semi-annual facility managers briefing in the fall of 2020.

Targeted Audience:

Responsible Department/Parties:

Measurable Goal(s):

Host one informal briefing at least once every other year.

Message Date(s):

Message Completed for: Appendix F Requirements Appendix H Requirements

Was this message different than what was proposed in your NOI? Yes No

If yes, describe why the change was made:

BMP: Construction Project Kick-Off Meeting

Message Description and Distribution Method:

HAFB will provide information on storm water quality concerns, permit requirements, and inspection reporting at contract kick-off meetings for every construction project on base that has the potential to affect storm water.

Targeted Audience:

Responsible Department/Parties:

Measurable Goal(s):

Perform a Kick-off Meeting for each construction project with the potential to affect stormwater.

Message Date(s): Ongoing, as needed, effective 1 Jul 2018. During the reporting period, 11 such meetings were held. Hanscom AFB evaluates this targeted message to be effective as many questions are received during the meetings. Greater coordination of erosion control plans, weekly inspections, and questions about permit applicability have increased over the past year indicating the meetings are useful.

Message Completed for: Appendix F Requirements Appendix H Requirements

Was this message different than what was proposed in your NOI? Yes No

If yes, describe why the change was made:

BMP:Industrial Operational Unit Briefings

Message Description and Distribution Method:

HAFB will brief on equipment inspection and maintenance, proper storage of industrial materials, proper management and disposal of wastes, proper management of dumpsters, minimization of use of salt or other de-icing materials, proper storage of salt and other de-icing materials, and proper maintenance of parking lot surfaces (sweeping) to the identified audiences.

Targeted Audience: Industrial facilities

Responsible Department/Parties: Environment Department

Measurable Goal(s):

Host one briefing every year.

Message Date(s): One conducted in this reporting period. Briefing on salt usage and snow & ice procedures was accomplished on October 3, 2019. Briefings to other industrial operations units were put on hold in March 2020 due to COVID-19 with pending implementation to resume in the fall of 2020 and spring of 2021. In general, Hanscom assesses these briefings as highly-effective with high attendance. The briefing on salt usage and snow & ice procedures was attended by 19 out of the 20 invitees, including the installation commander, vice commander, and deputy director, and the directors/commanders of security forces, base safety office, base logistics/supply, communications, command post, and engineering, as well as the individuals responsible for performing these duties.

Message Completed for: Appendix F Requirements Appendix H Requirements

Was this message different than what was proposed in your NOI? Yes No

If yes, describe why the change was made:

BMP:Pet Waste Flyer

Message Description and Distribution Method:

HAFB will provide a brochure to all dormitory and housing area residents regarding handling of pet waste and provide a copy to temporary lodging facilities to place inside check-in information.

Targeted Audience: Residents (Outside Hanscom MS4 jurisdiction)

Responsible Department/Parties: Environment Department

Measurable Goal(s):

An updated flyer will be posted and distributed every other year.

Message Date(s): None conducted in this reporting period. Ongoing effective 1 Jul 2018. Due to COVID-19, the planned spring 2020 message was delayed to 2021.

Message Completed for: Appendix F Requirements Appendix H Requirements

Was this message different than what was proposed in your NOI? Yes No

If yes, describe why the change was made:

BMP:Contractors Environmental Guide

Message Description and Distribution Method:

HAFB will provide the Contractor Environmental Guide which covers the significant environmental aspects and impacts that contractors often influence at Hanscom AFB. The guide outline the environmental requirements that relate to performing work on the installation and includes the EMS requirements.

Targeted Audience: Developers (construction)

Responsible Department/Parties: Engineering

Measurable Goal(s):

The guide must be provided to contractors before work may proceed.

Message Date(s): Ongoing effective 1 Jul 2018. The guide was incorporated into six construction contracts during the reporting period. Hanscom AFB evaluates this message as highly effective. The guide provisions become a contract inspection item and enforceable. All deliverables are submitted and confirmed complete before final payment of the contracts, making adherence in the interest of the contractor.

Message Completed for: Appendix F Requirements Appendix H Requirements

Was this message different than what was proposed in your NOI? Yes No

If yes, describe why the change was made:

This BMP was added in Year 1 to further address the target audience of developers. The Contractors Environmental Guide provides valuable educational material in regards to stormwater management during site construction. This guide is provided to all construction contractors during the design stage.

BMP:66th Civil Engineering Division Facility Manager's Guide

Message Description and Distribution Method:

All facility managers receive the HAFB Facility Manager's Guide which covers grounds maintenance, environmental management, snow removal, waste removal, and key contacts.

Targeted Audience:

Responsible Department/Parties:

Measurable Goal(s):

Distribute the 66th Civil Engineering Division Facility Manager's Guide to all Facility Managers.

Message Date(s):

Ongoing effective 1 Jul 2018. The guide was distributed once to facility managers during the reporting period. Hanscom AFB evaluates this message as generally effective, as these briefings reach the facility manager of each building on the base, though feedback from facility managers specific to stormwater has been minimal.

Message Completed for: Appendix F Requirements Appendix H Requirements

Was this message different than what was proposed in your NOI? Yes No

If yes, describe why the change was made:

This BMP was added in Year 1 to further address the target audience of businesses and commercial facilities. The Facility Manager's Guide provides valuable educational material in regards to grounds maintenance, environmental management, snow removal, and waste removal.

BMP:Annual Middle School Earth Day River Clean-up OR Educational Program

Message Description and Distribution Method:

HAFB will organize and host an annual earth day program or river clean-up day.

Targeted Audience:

Responsible Department/Parties:

Measurable Goal(s):

Host one Middle School Earth Day River Clean up OR Educational Program per year. None conducted in this reporting period.

River clean-up and educational program for spring 2020 was delayed due to COVID-19.

Message Date(s): The program will resume in 2021.

Message Completed for: Appendix F Requirements Appendix H Requirements

Was this message different than what was proposed in your NOI? Yes No

If yes, describe why the change was made:

BMP:Annual Newspaper Article, Press Release, and/or Social Media Posting

Message Description and Distribution Method:

HAFB will issues at least one of the above posts annually discussing stormwater quality.

Targeted Audience: All Audiences

Responsible Department/Parties: Public Affairs (66 ABG/PA)

Measurable Goal(s):

Issue at least one of the above posts each year.

Message Date(s): None conducted in this reporting period. Usually planned for spring of each year this was delayed due to COVID-19. Program will be resumed in permit year 3.

Message Completed for: Appendix F Requirements Appendix H Requirements

Was this message different than what was proposed in your NOI? Yes No

If yes, describe why the change was made:

BMP:24/7 Storm Water Hotline

Message Description and Distribution Method:

HAFB will continue to operate a stormwater hotline as part of its 24/7 customer service phone line.

Targeted Audience: All Audiences

Responsible Department/Parties: CE Customer Service (66 ABG/CEO)

Measurable Goal(s):

Maintain 24/7 customer service phone line. Hanscom AFB evaluates the effectiveness of this message as undeterminable. No calls were received to the stormwater hotline during the reporting period. This either indicates no problems were identified and reported, or that the message distribution announcing the hotline could be more effective.

Message Date(s): On-going effective 1 Jul 2018.

Message Completed for: Appendix F Requirements Appendix H Requirements

Was this message different than what was proposed in your NOI? Yes No

If yes, describe why the change was made:

Add an Educational Message

MCM2: Public Participation

Describe the opportunity provided for public involvement in the development of the Stormwater Management Program (SWMP) **during this reporting period:**

During the Year 2 Reporting Period (July 1, 2019 - June 30, 2020), a public notice was published in October, 2019 on the HAFB public website. Additional notices were placed in the local public newspapers in October 2019. The notices informed the public of the availability of the SWMP for annual review, and notified the public of the opportunity to participate in the review process.

Was this opportunity different than what was proposed in your NOI? Yes No

Describe any other public involvement or participation opportunities conducted **during this reporting period:**

An annual public brief on Hanscom AFB's stormwater program and annual progress was held on October 24, 2019 in conjunction with the Restoration Advisory Board at the Town of Bedford Town Hall.

MCM3: Illicit Discharge Detection and Elimination (IDDE)

Sanitary Sewer Overflows (SSOs)

Check off the box below if the statement is true.

This SSO section is NOT applicable because we DO NOT have sanitary sewer

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

Number of SSOs identified: Number of SSOs removed: **MS4 System Mapping***Below, check all that apply.*

The following elements of the Phase I map have been completed:

- Outfalls and receiving waters
- Open channel conveyances
- Interconnections
- Municipally-owned stormwater treatment structures
- Waterbodies identified by name and indication of all use impairments
- Initial catchment delineations

Optional: Describe any additional progress you made on your map during this reporting period or provide additional status information regarding your map:

Screening of Outfalls/Interconnections

If conducted, please submit any outfall monitoring results from this reporting period. Outfall monitoring results should include the date, outfall/interconnection identifier, location, weather conditions at time of sampling, precipitation in previous 48 hours, field screening parameter results, and results from all analyses.

- The outfall screening data is attached to the email submission
- The outfall screening data can be found at the following website:

Outfall screening was not performed during this reporting period (July 1, 2019 - June 30, 2020) due to COVID-19. Outfall screening will be performed during the IDDE Dry Weather Outfall Screening and Sampling event scheduled for September 2020.

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

Number of outfalls screened: **Catchment Investigations**

If conducted, please submit all data collected during this reporting period as part of the dry and wet weather investigations. Also include the presence or absence of System Vulnerability Factors for each catchment.

- The catchment investigation data is attached to the email submission
- The catchment investigation data can be found at the following website:

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

Number of catchment investigations completed this reporting period:

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

Percent of total catchments investigated:

Optional: Provide any additional information for clarity regarding the catchment investigations below:

Catchment investigations were not required to be conducted during this reporting period. Complete investigation of catchments associated with Problem Outfalls (Permit Part 2.3.4.8.a) will be completed within 7 years of the permit or 2025. Investigations of catchments associated with Problem, High- and Low-Priority Outfalls (Permit Part 2.3.4.8.a) will be completed during year 10 of the permit or 2028.

IDDE Progress

If illicit discharges were found, please submit a document describing work conducted over this reporting period, and cumulative to date, including location source; description of the discharge; method of discovery; date of discovery; and date of elimination, mitigation, or enforcement OR planned corrective measures and schedule of removal.

- The illicit discharge removal report is attached to the email submission
- The illicit discharge removal report can be found at the following website:

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:

Number of illicit discharges removed:

Estimated volume of sewage removed: gallons/day

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 (July 1, 2018).

Total number of illicit discharges identified:

Total number of illicit discharges removed:

Optional: Provide any additional information for clarity regarding illicit discharges identified, removed, or planned to be removed below:

IDDE surveys were not conducted during this reporting period (July 1, 2019 - June 30, 2020). The IDDE field work is scheduled to begin in September 2020 and will be completed by July 2021.

Employee Training

Describe the frequency and type of employee training conducted **during the reporting period:**

Training was not completed during this reporting period. The HAFB IDDE program was finalized in September 2019. During the IDDE sampling event scheduled for September 2020, employees will be trained and a training record will be prepared.

MCM4: Construction Site Stormwater Runoff Control

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

Number of site plan reviews completed:

Number of inspections completed:

Number of enforcement actions taken:

Optional: Enter any additional information relevant to construction site plan reviews, inspections, and enforcement actions:

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

Ordinance or Regulatory Mechanism

Below, select the option that describes your ordinance or regulatory mechanism progress.

- Bylaw, ordinance, or regulations are updated and adopted consistent with permit requirements
- Bylaw, ordinance, or regulations are updated consistent with permit requirements but are not yet adopted
- Bylaw, ordinance, or regulations have not been updated or adopted

As-built Drawings

Describe the measures the MS4 has utilized to require the submission of as-built drawings and ensure long term operation and maintenance of completed construction sites:

Hanscom maintains a Post Construction Stormwater Runoff Control Plan last updated May, 2020. This document presents information on the post-construction measures HAFB will utilize as required by the MS4 permit.

Hanscom AFB prepares an annual Contractor Environmental Guide that includes the requirements for submittal of as-builts and incorporates this guide into each construction contract.

Hanscom AFB Contract Specs Part 2 "General Requirements". Post Construction Stormwater Runoff Control

measures, are incorporated into each construction contract.

Street Design and Parking Lots Report

Describe the status of the street design and parking lots assessment due in year 4 of the permit term, including any planned or completed changes to local regulations and guidelines:

HAFB has not implemented this assessment. The assessment is due in year 4 of the permit term (2022).

Green Infrastructure Report

Describe the status of the green infrastructure report due in year 4 of the permit term, including the findings and progress towards making the practice allowable:

HAFB has not implemented this report. The report is due in year 4 of the permit term (2022).

Retrofit Properties Inventory

Describe the status of the inventory, due in year 4 of the permit term, of permittee-owned properties that could be modified or retrofitted with BMPs to mitigate impervious areas and report on any properties that have been modified or retrofitted:

HAFB has not implemented the inventory status. The inventory status is due in year 4 of the permit term (2022).

MCM6: Good Housekeeping

Catch Basin Cleaning

*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:

Number of catch basins cleaned:

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

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

Total number of catch basins:

If applicable:

Report on the actions taken if a catch basin sump is more than 50% full during two consecutive routine inspections/cleaning events:

During this reporting period, one routine inspection of the catch basins was performed.

Street Sweeping

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

- Number of miles cleaned:
- Volume of material removed:
- Weight of material removed:

O&M Procedures and Inventory of Permittee-Owned Properties

Below, check all that apply.

The following permittee-owned properties have been inventoried:

- Parks and open spaces
- Buildings and facilities
- Vehicles and equipment

The following O&M procedures for permittee-owned properties have been completed:

- Parks and open spaces
- Buildings and facilities
- Vehicles and equipment

Stormwater Pollution Prevention Plan (SWPPP)

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

Number of site inspections completed:

Describe any corrective actions taken at a facility with a SWPPP:

Due to COVID-19, the SWPPP was not approved until July 2020 outside of the Year 2 Annual Reporting period (July 1, 2019 - June 30, 2020). HAFB complies with the SWPPP including implementation of corrective actions, as needed.

Additional Information

Monitoring or Study Results

Results from any other stormwater or receiving water quality monitoring or studies conducted during the reporting period not otherwise mentioned above, where the data is being used to inform permit compliance or permit effectiveness must be attached.

- Not applicable
- The results from additional reports or studies are attached to the email submission
- The results from additional reports or studies can be found at the following website(s):

If such monitoring or studies were conducted on your behalf or if monitoring or studies conducted by other entities were reported to you, a brief description of the type of information gathered or received shall be described below:

Additional Information

Optional: Enter any additional information relevant to your stormwater management program implementation during the reporting period. Include any BMP modifications made by the MS4 if not already discussed above:

HAFB continues to implement the SWMP in compliance with the 2016 MA Small MS4 General Permit. Non-structural BMPs are implemented and modified as needed. The SWMP is updated to record any BMP modifications or other changes to the program.

COVID-19 Impacts

Optional: If any of the above year 2 requirements could not be completed due to the impacts of COVID-19, please identify the requirement that could not be completed, any actions taken to attempt to complete the requirement, and reason the requirement could not be completed below:

Year 2 requirements not completed due to COVID-19 are documented in each section above. Requirements that were met prior to COVID-19 are documented in each applicable section above. Proposed corrective action dates are identified within each applicable section above.

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 3 requirements summarized below. (Note: impaired waters and TMDL requirements are not listed below)

Yes, I agree

- Inspect all outfalls/ interconnections (excluding Problem and Excluded outfalls) for the presence of dry weather flow
- Complete follow-up ranking as dry weather screening becomes available

Annual Requirements

- Annual report submitted and available to the public
- Annual opportunity for public participation in review and implementation of SWMP
- Keep records relating to the permit available for 5 years and make available to the public
- Properly store and dispose of catch basin cleanings and street sweepings so they do not discharge to receiving waters
- Annual training to employees involved in IDDE program
- Update inventory of all known locations where SSOs have discharged to the MS4
- Continue public education and outreach program
- Update outfall and interconnection inventory and priority ranking and include data collected in connection with the dry weather screening and other relevant inspections conducted
- Implement IDDE program
- Review site plans of construction sites as part of the construction stormwater runoff control program
- Conduct site inspection of construction sites as necessary
- Inspect and maintain stormwater treatment structures
- Log catch basins cleaned or inspected
- Sweep all uncurbed streets at least annually
- Continue investigations of catchments associated with Problem Outfalls
- Review inventory of all permittee owned facilities in the categories of parks and open space, buildings and facilities, and vehicles and equipment; update if necessary

Provide any additional details on activities planned for permit year 3 below:

It is unknown if COVID-19 will further delay some requirements for Year 3. HAFB will make every effort to address the specific requirements for year 3 pending any delay due to COVID-19.

Part V: Certification of Small MS4 Annual Report 2020

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.

Name: Title:

Signature: Digitally signed by WELCH.RENATA.NAGRANT.1 536276765 Date: 2020.09.23 17:37:02 -04'00' Date:

[Signatory may be a duly authorized representative]

Note: When prompted during signing, save the document under a new file name.

Annual Report Submission

Please submit the form electronically via email to both EPA and MassDEP by clicking on one of the links below or using the email addresses listed below. Please ensure that all required attachments are included in the email and not attached to this PDF.

EPA: stormwater.reports@epa.gov

MassDEP: laura.schifman@mass.gov

Paper Signature:

If you did not sign electronically above, you can print the signature page by clicking the button below.

Optional: If you did not sign electronically above, you may lock the form by clicking the "Lock Form" button below which will prompt you to save the locked version of the form. Save this locked version under a new file name.