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 o	of Municipality or Organization: Massachusetts D	Department of Correction
EPA N	PDES Permit Number: MAR042052	
Primar	y MS4 Program Manager Contact Informatio	ion
Name:	Jeffery J. Quick	Title: Director, Division of Resource Management
Street A	Address Line 1: Mass Department of Correction	1
Street A	Address Line 2: 50 Maple Street #2	
City:	Milford State: MA	Zip Code: 01757
Email:	jeffery.quick@doc.state.ma.us	Phone Number: (508) 422-3661
Stormy	vater Management Program (SWMP) Inform	nation
SWMP	Location (web address): NA	
Date S	WMP was Last Updated: Aug 29, 2019	
If the S	SWMP is not available on the web please provide	le the physical address:
Locate	d at the DOC Headquarters, 50 Maple Street, Mi	filford, MA 01757

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>pox</u>	ran repends rannem regiseri				
Impairment(<u>s)</u>				
	☐ Bacteria/Pathogens☑ Solids/ Oil/ Grease (I	☐ Chloride Hydrocarbons)/ Meta	☐ Nitrogen	☐ Phosphorus	
TMDL(s)					
In State:	☒ Assabet River Phosp☐ Charles River Waters		teria and Pathogen Lake and Pond	☐ Cape Cod Nitrogen Phosphorus	
Out of State:	☐ Bacteria/Pathogens	☐ Metals	☐ Nitrogen	☐ Phosphorus	
			Cl	ear Impairments and TMDLs	
you have con unchecked. Ac Year 2 Requir	ipleted that permit requir dditional information will	ement fully. If you h be requested in late	ave not completed a re	c h box you are certifying tha equirement leave the box	
			are and added the proc	edura to the SWMP	
_ Develo	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				
	ed or covered storage pile	-	_	- · ·	
	oped written operations ar es, and vehicles and equip				
_ Develo	oped an inventory of all pengs and facilities, and veh	ermittee owned facili	ties in the categories	of parks and open space,	
	leted a written program fo	r MS4 infrastructure	maintenance to reduc	e the discharge of pollutants	
operate	oped written SWPPPs, inc ed facilities: maintenance es where pollutants are ex	garages, public worl	cs yards, transfer statio	ng permittee owned or ons, and other waste handling	
any additiona		ny of the above year	2 requirements could	ments listed above, provide not be completed due to the ed, any actions taken to	

attempt to complete the requirement, and reason the requirement could not be completed below:

The drainage infrastructure of the DOC facilities is well documented. Many of the facilities have only one or two discharge points. Several locations have discharge locations that are detention or retention basins located on the facility grounds. Several of the Year 2 requirements are met and were carried over from the previous

efforts made under the initial pe	rmit - such as salt and sand sto	rage, seasonal and routine	picking up of trash
and inspections of storm drains	For the last 8 years, funding h	nas been set aside to clean	catch basins as
needed.	· · · · · ·	*	

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
C This is not applicable because we do not have sanitary sewer
 This is not applicable because we did not find any new SSOs
C The updated SSO inventory is attached to the email submission
O 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: There have been no changes to the outfalls throughout the department with the exception of the MCI-Concord outfall. This location has a degrading outfall pipe that is being undermined during periods of high flow in the Assabet River. The Department of Correction has contracted a consultant to evaluate diversion of the direct runoff into the river into a detention basin. This work is still ongoing but has been delayed due to limited site access from COVID restrictions.
Dhambarra (Cambination of Immaired Waters Description and TMDI Description and Applicable)
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)
part 210 th an annual of the same for your (spring and same)
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:
In 2005 the DOC established procedures to sweep and collect sand distributed during the winter months. This
work begins during the early spring and continues through the summer. Inmate labor is used to sweep and
collect the sand. Catch basins that are determined to be loaded with sand and sediment are cleaned.
Solids, Oil and Grease (Hydrocarbons), or Metals Annual Requirements
Good Housekeeping and Pollution Prevention for Permittee Owned Operations
Increased street sweeping frequency of all municipal owned streets and parking lots to a schedule that targets areas with potential for high pollutant loads
Prioritized inspection and maintenance for catch basins to ensure that no sump shall be more than 50 percent full; Cleaned catch basins more frequently if inspection and maintenance activities indicated excessive sediment or debris loadings
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: The roadways within the prison system have sand swept and collected on an annual basis. The catch basins
are inspected at least 2 or 3 times per year.
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:

MCI- Concord is having an engineering study done to divert the direct discharge into the river. The outfall has been sampled and data is attached.

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: 0
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:[Message name here]
Message Description and Distribution Method:
Targeted Audience:
Responsible Department/Parties: Engineering
Measurable Goal(s):
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
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:
Facilities were told to continue with efforts began in 2005.

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Was this opportunity different than what was proposed in your NOI? Yes O No •	
Describe any other public involvement or participation opportunities conducted during the	is reporting period
MCM3: Illicit Discharge Detection and Elimination (IDD	E)
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 se	ewer
Below, report on the number of SSOs identified in the MS4 system and removed during th	is reporting period.
Number of SSOs identified: 0	
Number of SSOs removed: 0	
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	
	
☐ Interconnections	
☐ Interconnections ☐ Municipally-owned stormwater treatment structures	
☐ Interconnections ☐ Municipally-owned stormwater treatment structures ☐ Waterbodies identified by name and indication of all use impairments	period or provide

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.

O The outfall screening data is attached to the email submission

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O The outfall screening data can be found at the following website:	
	20000000000000000000000000000000000000
Below, report on the number of outfalls/interconnections screened during this reporting period.	
Number of outfalls screened: 0	
Catchment Investigations	
If conducted, please submit all data collected during this reporting period as part of the dry and wet we investigations. Also include the presence or absence of System Vulnerability Factors for each catchmen	
O The catchment investigation data is attached to the email submission	
O The catchment investigation data can be found at the following website:	wokasanaan anaan mengalah endangan
Below, report on the number of catchment investigations completed during this reporting period.	
Number of catchment investigations completed this reporting period: 8	
Below, report on the percent of catchments investigated to date.	
Percent of total catchments investigated: 95	
Optional: Provide any additional information for clarity regarding the catchment investigations below:	
Some facilities only inspect the outfalls due to the small areas of catchment. Boston Pre-release Center very few catch basins and the outfall area is a closed detention basin. If this basin is not properly drain through infiltration, further investigation on the basin is required not the catch basins.	
· · · · · · · · · · · · · · · · · · ·	
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 disce	_
date of discovery; and date of elimination, mitigation, or enforcement OR planned corrective measures	
schedule of removal.	
O The illicit discharge removal report is attached to the email submission	
C 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 sewe removed during this reporting period.	ige

Estimated volume of sewage removed: 0 gallons/day

Number of illicit discharges identified: 1

Number of illicit discharges 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 (July 1, 2018).

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Total number of illicit discharges identified: 1	• .
Total number of illicit discharges removed: 0	
Optional: Provide any additional information for clarity regarding illicit discharges identified, replanned to be removed below:	emoved, or
The DOC is conducting an engineering study at MCI-Concord. While the connection isn't a sematerials that should not be dumped into the storm drains has occurred. This practice has been admittedly occasionally materials are dumped that should not be dumped.	
Employee Training	
Describe the frequency and type of employee training conducted during the reporting period:	•
MCM4: Construction Site Stormwater Runoff Control Below, report on the construction site plan reviews, inspections, and enforcement actions compatible reporting period.	leted during
Number of site plan reviews completed: 1	
Number of inspections completed: 1	
Number of enforcement actions taken: 0	•
Optional: Enter any additional information relevant to construction site plan reviews, inspection	ns, and

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

During the reporting period, one NPDES general construction permit associated with a water treatment plant was monitored.

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.

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:

Within the last 5 to 8 years, extensive paving of prison roadways and parking lots have occurred. Drainage improvement associated with this work included regrading, removal of curbing to allow sheet flow off the paved areas into the grass.

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:

No progress at this time due to personnel departures.

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:

NA		

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 inspec	eted: 50			
Number of catch basins cleane	ed: 0	NAMENTAL STATE OF THE STATE OF		
Total volume or mass of mater	<u> </u>	m all catch basins:	0	[Select Units]
Below, report on the total number of catch ba	sins in the MS4	system.		
Total number of catch basins:	650			
If applicable:				
Report on the actions taken if a catch basin su inspections/cleaning events:	ımp is more tha	n 50% full during	two consecu	tive routine
Catch basins are cleaned utilized a state vend years + so the problematic ones are inspected parking area - the catch basin is scheduled to	after a heavy ra	•	-	
Street Sweeping				
Report on street sweeping completed during t	his reporting po	eriod using one of	the three me	trics below.
Number of miles cleaned: 25		ANDREADOR		
O Volume of material removed:	10	cubic yards		
O Weight of material removed:		[Select Units]		
O&M Procedures and Inventory of Permit Below, check all that apply. The following permittee-owned properties har ☐ Parks and open spaces ☐ Buildings and facilities ☐ Vehicles and equipment		•		
The following O&M procedures for permittee Parks and open spaces	e-owned propert	ies have been com	pleted:	
☐ Buildings and facilities				
☐ Vehicles and equipment				
Stormwater Pollution Prevention Plan (SW Below, report on the number of site inspection reporting period.		that require a SWF	PPP complet	ed during this
Number of site inspections co	mpleted: 0			

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Due to stat	Due to staff departure this work will have to play catch up over the next reporting period.				
	Additional Information				
<u> Monitorin</u>	g or Study Results				
Results from eporting p	on any other stormwater or receiving water quality monitoring or studies conducted during the seriod not otherwise mentioned above, where the data is being used to inform permit compliance extiveness must be attached.				
	O Not applicable				
	• The results from additional reports or studies are attached to the email submission				
	O The results from additional reports or studies can be found at the following website(s):				
	nitoring or studies were conducted on your behalf or if monitoring or studies conducted by other re reported to you, a brief description of the type of information gathered or received shall be below:				
	or MCI-Concord is attached.				
340 444 10	Tivier concert is accepted.				
Additional	<u>Information</u>				
	Enter any additional information relevant to your stormwater management program implementati reporting period. Include any BMP modifications made by the MS4 if not already discussed above				
COVID-19	<u>Impacts</u>				
Optional: I	If any of the above year 2 requirements could not be completed due to the impacts of COVID-19, ntify the requirement that could not be completed, any actions taken to attempt to complete the				
please ider	If any of the above year 2 requirements could not be completed due to the impacts of COVID-19				
Optional: I	If any of the above year 2 requirements could not be completed due to the impacts of COVID-19, ntify the requirement that could not be completed, any actions taken to attempt to complete the				
Optional: I	If any of the above year 2 requirements could not be completed due to the impacts of COVID-19, ntify the requirement that could not be completed, any actions taken to attempt to complete the				

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permit impaired waters	
the presence of	
P public not discharge to	
collected in	
f control program	

Activities Planned for Next Reporting Period

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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:					
We have to play c	atch up on some year 2 goa	ls due to staff depart	ures.		

Part V: Certification of Small MS4 Annual Report 2020

40 CFR 144.32(d) Certification

representative]

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:	JEFFREY J. QUICK	Title: DURECTOR
Signature:	Geffey J- July	Date: 9/24/2020