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# National Pollutant Discharge Elimination System (NPDES) Municipal Separate Storm Sewer System (MS4) Application Form (Reissuance)

version 1.4

(Submission #: 2ED-D9BD-55SJ, version 3)

## Details

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**Submission ID** 2ED-D9BD-55SJ

**Submission Reason** Renewal

**Status** Complete

## Form Input

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### Existing Permit Details

**Existing Permit ID (Read Only)**

NONE PROVIDED

**Existing Permit Number (Read Only)**

NONE PROVIDED

### Section 1. Applicant Information

#### Applicant Information

**Prefix**

*Mr.*

**First Name**      **Last Name**

Mohmedyunus      *Patel*

**Title**

*City Engineer*

**Organization Name**

*City of Dearborn*

**Phone Type**      **Number**      **Extension**

Business      3139433058

**Email**

*mpatel@ci.dearborn.mi.us*

**Fax**

3139433340

**Address**

Dearborn Administrative Center  
16901 Michigan Avenue, Suite 19  
Dearborn, Michigan 48126  
[NO COUNTRY SPECIFIED]

### Section 2. MS4 Location Information

**Municipal Entity Name (e.g., City of Lansing)**

City of Dearborn

**Identify the Primary Municipal Facility or the Mailing Address Location**

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A site needs to be identified as part of the application. Identify the physical address for the municipal entity, such as the primary municipal facility (e.g., City Hall).

**Facility Location**

42.312541,-83.20592529999999

**Section 3. MS4 Contacts (1 of 1)**

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**CONTACTS**

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A contact must be provided for each of the roles listed below. You may assign more than one role to a single contact by holding down the 'Ctrl' key while selecting each role. Use the "+" (repeat section) button to add an additional contact.

**Contact**

Storm Water Billing Contact

**Contact**

**Prefix**

Mr.

**First Name      Last Name**

Mohmedyunus    Patel

**Title**

City Engineer

**Organization Name**

City of Dearborn -Engineering Division

**Phone Type      Number      Extension**

Business          3139432145

**Email**

mpatel@ci.dearborn.mi.us

**Fax**

3139433340

**Address**

Dearborn Administrative Center  
16901 Michigan Avenue, Suite 19,  
Dearborn, MI 48126  
US

**Section 4: Regulated Area, Outfalls/Points of Discharge, and Nested Jurisdictions (1 of 1)**

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**Regulated Area**

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Identify the urbanized area within the applicant's jurisdictional boundary as defined by the 2010 Census. The regulated MS4 means an MS4 owned or operated by a city, village, township, county, district, association, or other public body created by or pursuant to state law and the nested MS4 identified below that is located in an urbanized area and discharges storm water into surface waters of the state. The 2010 Census maps are located at the Urbanized Area Link below.

[Urbanized Area Link](#)

**Select an Urbanized Area**

Detroit

**Outfall and Point of Discharge Information**

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Provide the following information for each of the applicant's MS4 outfalls and points of discharge within the regulated area: identification number, description of whether the discharge is from an outfall or point of discharge, and the surface water of the state that receives the discharge.

An outfall means a discharge point from an MS4 directly to surface waters of the state.

A point of discharge means a discharge from an MS4 to an MS4 owned or operated by another public body. In the case of a point of discharge, the surface water of the state is the ultimate receiving water from the final outfall.

Please note that an MS4 is not a surface water of the state. For example, an open county drain that is a surface water of the state is not an MS4.

An example table is available at the link below.

[Outfall and Point of Discharge example table link](#)

## OUTFALL AND POINT OF DISCHARGE INFORMATION

[Location map-storm outfall.pdf - 03/28/2016 10:58 AM](#)

### Comment

NONE PROVIDED

## Nested Jurisdictions

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Submit the name and general description of each nested MS4 for which a cooperative agreement has been reached to carry out the terms and conditions of the permit for the nested jurisdiction. The applicant shall be responsible for assuring compliance with the permit for those nested jurisdictions with which they have entered into an agreement and listed as part of the Application. If the primary jurisdiction and the nested jurisdiction agree to cooperate so that the terms and conditions of the permit are met for the nested MS4, the nested jurisdiction does not need to apply for a separate permit. A city, village, or township shall not be a nested jurisdiction.

Use the "+" (repeat section) button to add an additional Jurisdiction contact.

## Nested Jurisdiction

### Prefix

Mr.

### First Name

NONE PROVIDED

### Last Name

NONE PROVIDED

### Title

NONE PROVIDED

### Organization Name

NONE PROVIDED

### Phone Type

NONE PROVIDED

### Number

NONE PROVIDED

### Extension

### Email

NONE PROVIDED

### Fax

NONE PROVIDED

### Address

[NO STREET ADDRESS SPECIFIED]

[NO CITY SPECIFIED], MI [NO ZIP CODE SPECIFIED]

USA

## Section 5: General SWMP, Enforcement Response Procedure, and Public Participation/Involvement Program

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### STORM WATER MANAGEMENT PROGRAM (SWMP)

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This Application requires a description of the Best Management Practices (BMPs) the applicant will implement for each minimum control measure and the applicable water quality requirements during this permit cycle. The applicant shall incorporate the BMPs to develop a SWMP as part of the Application. The SWMP shall be developed, implemented, and enforced to reduce the discharge of pollutants from the MS4 to the Maximum Extent Practicable and protect water quality in accordance with the

appropriate water quality requirements of the NREPA 451, Public Acts of 1994, Part 31, and the Federal Water Pollution Control Act, as amended, (33 U.S.C. 1251 et seq.). The Maximum Extent Practicable may be met by implementing the BMPs identified in the SWMP and demonstrating the effectiveness of the BMPs. The applicant shall attach any appropriate and necessary documentation to demonstrate compliance with the six minimum control measures and applicable water quality requirements as part of the Application.

The applicant shall complete this Application to the best of its knowledge and ensure that it is true, accurate, and meets the minimum requirements for a SWMP to the Maximum Extent Practicable.

Several minimum control measures include a statement requesting the applicant to indicate in the response if you are, or will be, working collaboratively with watershed or regional partners on any or all activities to meet the minimum control measure requirements. If the applicant chooses to work collaboratively with watershed or regional partners to implement parts of the SWMP, each applicant will be responsible for complying with the minimum permit requirements.

For purposes of this Application, a procedure means a written process, policy or other mechanism describing how the applicant will implement minimum requirements.

When answering the questions in this section of the Application, the applicant's MS4 encompasses what the applicant identified in Sections 4. The applicant shall include a measurable goal for each BMP. Each measurable goal shall include, as appropriate, a schedule for BMP implementation (months and years), including interim milestones and the frequency of the action. Each measurable goal shall have a measure of assessment to measure progress towards achieving the measurable goal. A United States Environmental Protection Agency (USEPA) guidance document on measurable goals is available at the link below.

[USEPA measurable goals guidance document link](#)

### **Enforcement Response Procedure (ERP)**

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The applicant shall describe the current and proposed enforcement responses to address violations of the applicant's ordinances and regulatory mechanisms identified in the SWMP. The following question represents the minimum requirement for the ERP. Please complete the question below.

#### **ERP**

[Attachment C, SOP-Illicit Discharge Elimination Program.pdf - 03/29/2016 01:12 PM](#)

[Dearborn\\_ERP-July19.pdf - 08/05/2019 09:12 AM](#)

[Attachment D - ORD NO. 18-1630 - IDEP \(1\).pdf - 10/01/2019 10:12 AM](#)

#### **Comment**

Please read (1)SOP-Illicit Discharge as Attach D-Proposed Ordinance (2) Attach D Proposed Ordinance as Attach C , SOP, Illicit Discharge

### **Public Participation/Involvement Program (PPP)**

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The applicant shall describe the current and proposed BMPs to meet the minimum control measure requirements for the PPP to the maximum extent practicable, which shall be incorporated into the SWMP. Please indicate in your response if you are, or will be, working collaboratively with watershed or regional partners on any or all activities in the PPP during the permit cycle (i.e., identify collaborative efforts in the procedures). The following questions represent the minimum control measure requirements for the PPP. Please complete all the questions below. A measurable goal with a measure of assessment shall be included for each BMP, and, as appropriate, a schedule for implementation (months and years), including interim milestones and the frequency of the BMP. The responses shall reflect the nested MS4s identified in Section 4.

#### **Proposing to work collaboratively on any or all activities in the PPP during the permit cycle?**

Yes

#### **PPP Procedures**

[Attachment E- Illicit Discharge Elimination Program and Public Education Program.pdf - 03/28/2016 11:24 AM](#)

[Dearborn\\_PPP-July19.pdf - 08/05/2019 09:12 AM](#)

#### **Comment**

NONE PROVIDED

**2. Provide the reference to the procedure submitted above for making the SWMP available for public inspection and comment. The procedure shall include a process for notifying the public when and where the SWMP is available and of opportunities to provide comment. The procedure shall also include a process for complying with local public notice requirements, as appropriate. (page and paragraph of attachments): e.g., Attachment A, Page 3, Section b. See above Attachment E**

**3. Provide the reference to the procedure submitted above for inviting public involvement and participation in the implementation and periodic review of the SWMP. (page and paragraph of attachments):**

See above Attachment E

## **Section 6. Public Education Program**

**Proposing to work collaboratively on any or all activities in the PEP during the permit cycle?**

Yes

### **PEP Procedures**

[Attachment E - Dearborn\\_PEP.pdf - 06/28/2019 09:46 AM](#)

#### **Comment**

NONE PROVIDED

**4. PEP activities may be prioritized based on the assessment of high priority, community-wide issues and targeted issues to reduce pollutants in storm water runoff. If prioritizing PEP activities, provide the reference to the procedure submitted above with the assessment and list of the priority issues (e.g., Attachment A, Section 1).**

See above Attachment E

5. Provide the reference to the procedure submitted above identifying applicable PEP topics and the activities to be implemented during the permit cycle. If prioritizing, prioritize each applicable PEP topics as high, medium, or low based on the assessment in Question 4.

For each applicable PEP topic below, identify in the procedure the target audience; key message; delivery mechanism; year and frequency the BMP will be implemented; and the responsible party. If a PEP topic is determined to be not applicable or a priority issue, provide an explanation.

An example PEP table is available at the link below.

[PEP table example link](#)

**A. Promote public responsibility and stewardship in the applicant's watershed(s). Provide the reference to the procedure submitted above or explanation as to why the topic is not applicable.**

See above Attachment E

**B. Inform and educate the public about the connection of the MS4 to area waterbodies and the potential impacts discharges could have on surface waters of the state. Provide the reference to the procedure submitted above or explanation as to why the topic is not applicable.**

See above Attachment E

**C. Educate the public on illicit discharges and promote public reporting of illicit discharges and improper disposal of materials into the MS4. Provide the reference to the procedure submitted above or explanation as to why the topic is not applicable.**

See above Attachment E

**D. Promote preferred cleaning materials and procedures for car, pavement, and power washing. Provide the reference to the procedure submitted above or explanation as to why the topic is not applicable.**

See above Attachment E

**E. Inform and educate the public on proper application and disposal of pesticides, herbicides, and fertilizers. Provide the reference to the procedure submitted above or explanation as to why the topic is not applicable.**

See above Attachment E

**F. Promote proper disposal practices for grass clippings, leaf litter, and animal wastes that may enter into the MS4. Provide the reference to the procedure submitted above or explanation as to why the topic is not applicable.**

See above Attachment E

**G. Identify and promote the availability, location, and requirement of facilities for collection or disposal of household hazardous wastes, travel trailer sanitary wastes, chemicals, and motor vehicle fluids. Provide the reference to the procedure submitted above or explanation as to why the topic is not applicable.**

See above Attachment E

**H. Inform and educate the public on proper septic system care and maintenance, and how to recognize system failure. Provide the reference to the procedure submitted above or explanation as to why the topic is not applicable.**

See above Attachment E

**I. Educate the public on, and promote the benefits of, green infrastructure and low impact development. Provide the reference to the procedure submitted above or explanation as to why the topic is not applicable.**

See above Attachment E

**J. Identify and educate commercial, industrial, and institutional entities likely to contribute pollutants to storm water runoff. Provide the reference to the procedure submitted above or explanation as to why the topic is not applicable.**

See above Attachment E

**6. Provide the reference to the procedure submitted above for evaluating and determining the effectiveness of the overall PEP. The procedure shall include a method for assessing changes in public awareness and behavior resulting from the implementation of the PEP and the process for modifying the PEP to address ineffective implementation. e.g., Attachment A, Page 3, Section b.**

See above Attachments C and E

## **Section 7. Illicit Discharge Elimination Program**

[>>Click here to access the MDEQ IDEP Compliance Assistance Document](#)

[>>Click here to access the Center for Watershed Protection guide](#)

**Proposing to work collaboratively on any or all BMPs in the IDEP during the permit cycle?**

Yes

### **Illicit Discharge Elimination Program Procedures**

[Attachment F-IDEP-BMI.pdf - 03/29/2016 02:32 PM](#)

[Attach G- file 1, PIPP- DPW.pdf - 03/29/2016 02:32 PM](#)

[Attach G, file 2, PIPP, MT.pdf - 03/29/2016 02:33 PM](#)

[Attach G, file 3, SOP, Spill Response.pdf - 03/29/2016 02:33 PM](#)

[Attachment C-SOP Illicit Discharge Elimination Plan revJune19.pdf - 06/28/2019 09:48 AM](#)

[IDEP Corrective Action Notification.pdf - 08/05/2019 09:14 AM](#)

[Attachment D-Ordinance number 19-190 IDEP.pdf - 10/07/2019 09:14 AM](#)

#### **Comment**

Please read(1) Attach C as Attach c (2)SOP-illicit as Attach F, IDEP (3)Attach F as Attach G, file 1 of 3 (4) Attach G -file 1 as Attach G file 2 of 3 (5) PIPP DPW as Attach G file 3 of 3 (6) Attach G as Attach E (7) file 2 as Attach D

### **Storm Sewer System Map**

**7. Provide the location where an up-to-date storm sewer system map(s) is available. The map(s) shall identify the following: the storm sewer system, the location of all outfalls and points of discharge, and the names and location of the surface waters of the state that receive discharges from the permittee's MS4 (for both outfalls and points of discharge). A separate storm sewer system includes: roads, catch basins, curbs, gutters, parking lots, ditches, conduits, pumping devices, and man-made channels. A storm sewer system map(s) may include available diagrams, such as certification maps, road maps showing rights-of-way, as-built drawings, or other hard copy or digital representation of the storm sewer system. (e.g., The Department of Public Works office)**

Engineering Division, Dearborn Administrative Center, 16901 Michigan Avenue, Suite 19, Dearborn, Michigan-48126

### **Illicit Discharge Identification and Investigation**

8. The MS4 may be prioritized for detecting non-storm water discharges during the permit cycle. The goal of the prioritization process is to target areas with high illicit discharge potential. If prioritizing, provide the reference to the procedure submitted above with the process for selecting each priority area using the list below. (e.g., Attachment A, page 3, Section b.)

- Areas with older infrastructure
- Industrial, commercial, or mixed use areas
- Areas with a history of past illicit discharges
- Areas with a history of illegal dumping
- Areas with septic systems
- Areas with older sewer lines or with a history of sewer overflows or cross-connections
- Areas with sewer conversions or historic combined sewer systems
- Areas with poor dry-weather water quality
- Areas with water quality impacts, including waterbodies identified in a Total Maximum Daily Load
- Priority areas applicable to the applicant not identified above

**Provide the reference to the procedure submitted above (page and paragraph of attachments): e.g., Attachment A, Section b.**

See Attachment-G, file 1, 2 and 3

**9. If prioritizing dry-weather screening, provide the reference to the document submitted above with the geographical location of each prioritized area using either a narrative description or map and identify the prioritized areas that will be targeted during the permit cycle.**

See Attachment-G, file 1, 2 and 3

10. Provide the procedure for performing field observations at all outfalls and points of discharge in the priority areas as identified in the procedure above or for the entire MS4 during dry-weather at least once during the permit cycle. The procedure shall include a schedule for completing the field observations during the permit cycle or more expeditiously if the applicant becomes aware of a non-storm water discharge.

As part of the procedure, the applicant may submit an interagency agreement with the owner or operator of the downstream MS4 identifying responsibilities for ensuring an illicit discharge is eliminated if originating from the applicant's point(s) of discharge. The interagency agreement would eliminate the requirement for performing a field observation at that point(s) of discharge. Areas not covered by the interagency agreement shall be identified with a schedule for performing field observations included in the procedure.

The focus of the field observation shall be to observe the following:

- Presence/absence of flow
- Water clarity
- Deposits/stains on the discharge structure or bank
- Color
- Vegetation condition
- Odor
- Structural condition
- Floatable materials
- Biology, such as bacterial sheens, algae, and slimes

**Provide the reference to the procedure submitted above (page and paragraph of attachments): e.g., Attachment A, Section b.**

See Attachment C

**11. Provide the reference to the procedure submitted above for performing field screening if flow is observed at an outfall or point of discharge and the source of an illicit discharge is not identified during the field observation. Field screening shall include analyzing the discharge for indicator parameters (e.g., ammonia, fluoride, detergents, and pH). The procedure shall include a schedule for performing field screening.**

See Attachment C

**12. Provide the reference to the procedure submitted above for performing a source investigation if the source of an illicit discharge is not identified by field screening. The procedure shall include a schedule for performing a source investigation.**

See Attachment C

**13. Provide the reference to the procedure submitted above for responding to illegal dumping/spills. The procedure shall include a schedule for responding to complaints, performing field observations, and follow-up field screening and source investigations as appropriate.**

See Attachment C

**14. If prioritizing, provide the reference to the procedure submitted above for responding to illicit discharges upon becoming aware of such a discharge outside of the priority areas. The procedure shall include a schedule for performing field observations, and follow-up field screening and source investigation as appropriate. If not prioritizing, enter  Not Applicable.**

See Attachment C

**15. Provide the reference to the procedure submitted above which includes a requirement to immediately report any release of any polluting materials from the MS4 to the surface waters or groundwaters of the state, unless a determination is made that the release is not in excess of the threshold reporting quantities in the Part 5 Rules, by calling the appropriate MDEQ District Office, or if the notice is provided after regular working hours call the MDEQ's 24-Hour Pollution Emergency Alerting System telephone number: 800-292-4706. (Example threshold reporting quantities: a release of 50 pounds of salt in solid form or 50 gallons in liquid form to waters of the state unless authorized by the MDEQ for deicing or dust suppressant.)**

See Attachment G, file 1,2 and 3

**16. If the procedures requested in Questions 8 through 14 do not accurately reflect the applicant's procedure(s), provide the reference to the procedure(s) submitted above describing the alternative approach to meet the minimum requirements.**

Not Applicable

**17. Provide the reference to the procedure submitted above for responding to illicit discharges once the source is identified. The procedure shall include a schedule to eliminate the illicit discharge and pursue enforcement actions. The procedure shall also address illegal spills/dumping.**

See Attachment C

## **IDEP Training and Evaluation**

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18. Provide the reference to the program submitted above to train staff employed by the applicant, who, as part of their normal job responsibilities, may come into contact with or otherwise observe an illicit discharge to the regulated MS4, on the following topics. The program shall include a training schedule for this permit cycle. It is recommended that staff be trained more than once per permit cycle.

- Techniques for identifying an illicit discharge or connection, including field observation, field screening, and source investigation.

- Procedures for reporting, responding to, and eliminating an illicit discharge or connection and the proper enforcement response.

- The schedule and requirement for training at least once during the term of this permit cycle for existing staff and within the first year of hire for new staff.

**Provide the reference to the program submitted above (page and paragraph of attachments): e.g., Attachment A, Section b.**

See Attachment C

**19. Provide the reference to the procedure submitted above for evaluating and determining the overall effectiveness of the IDEP. The procedure shall include a schedule for implementation. Examples of evaluating overall effectiveness include, but are not limited to, the following: evaluate the prioritization process to determine if efforts are being maximized in areas with high illicit discharge potential; evaluate the effectiveness of using different detection methods; evaluate the number of discharges and/or quantity of discharges eliminated using different enforcement methods; and evaluate program efficiency and staff training frequency.**

See Attachment C

## **Illicit Discharge Ordinance or Other Regulatory Mechanism**

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**20. Provide the reference to the in effect ordinance or regulatory mechanism submitted above that prohibits non-storm water discharges into the applicant's MS4 (except the non-storm water discharges addressed in Questions 21 and 22).**

See Attachment D

**21. Provide the reference to the ordinance or other regulatory mechanism submitted above that excludes prohibiting the discharges or flows from firefighting activities to the applicant's MS4 and requires that these discharges or flows only be addressed if they are identified as significant sources of pollutants to waters of the State. The ordinance shall not authorize illicit discharges; however, the applicant may choose to exclude prohibiting the discharges and flows from firefighting activities if they are identified as not being significant sources of pollutants to waters of the state.**

See Attachment D

22. Provide the reference to the ordinance or other regulatory mechanism submitted above that excludes prohibiting the following categories of non-storm water discharges or flows if identified as significant contributors to violations of Water Quality Standards. The ordinance shall not authorize illicit discharges; however, the applicant may choose to exclude prohibiting the following discharges or flows if they are identified as not being a significant contributor to violations of Water Quality Standards.

a. Water line flushing and discharges from potable water sources

b. Landscape irrigation runoff, lawn watering runoff, and irrigation waters

c. Diverted stream flows and flows from riparian habitats and wetlands

d. Rising groundwaters and springs

e. Uncontaminated groundwater infiltration and seepage

f. Uncontaminated pumped groundwater, except for groundwater cleanups specifically authorized by NPDES permits

g. Foundation drains, water from crawl space pumps, footing drains, and basement sump pumps

h. Air conditioning condensation

i. Waters from noncommercial car washing

j. Street wash water

k. Dechlorinated swimming pool water from single, two, or three family residences. (A swimming pool operated by the permittee shall not be discharged to a separate storm sewer or to surface waters of the state without NPDES permit authorization from the MDEQ.)

Provide the reference to the procedure submitted above (page and paragraph of attachments): e.g., Attachment A, Section b.

See Attachment D

23. Provide the reference to the ordinance or regulatory mechanism submitted above that regulates the contribution of pollutants to the applicant's MS4 in the attachment above.

See Attachment D

24. Provide the reference to the ordinance or regulatory mechanism submitted above that prohibits illicit discharges, including illicit connections and the direct dumping or disposal of materials into the applicant's MS4 in the attachment above.

See Attachment D

25. Provide the reference to the ordinance or regulatory mechanism submitted above with the authority established to inspect, investigate, and monitor suspected illicit discharges into the applicant's MS4 in the attachment above.

See Attachment D

26. Provide the reference to the ordinance or regulatory mechanism submitted above that requires and enforces elimination of illicit discharges into the applicant's MS4, including providing the applicant the authority to eliminate the illicit discharge in the attachment above.

See Attachment D

## **Section 8. Construction Storm Water Runoff Control Program**

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Proposing to work collaboratively on any or all requirements of the Construction Storm Water Runoff Control Program during the permit cycle?

Yes

### **Qualifying Local Soil Erosion and Sedimentation Control Programs**

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[Click here to access the list of approved Part 91 Agencies](#)

27. Is the applicant a Part 91 Agency?

Yes

If yes, choose type

Municipal Enforcing Agency

No the applicant relies on the following Qualifying Local Soil Erosion and Sedimentation Control Program (Part 91 Agency)

NONE PROVIDED

### **Construction Storm Water Runoff Control**

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#### **Construction Storm Water Runoff Control Program Procedure Attachment**

[Attachment T, SESC Application requirements.pdf - 03/28/2016 04:13 PM](#)

[Attachment Q- Zoning Ordinance, Grading Regulations.pdf - 03/28/2016 04:14 PM](#)

[Attachment U- Commercial Site Plan Instruction and Application.pdf - 03/28/2016 04:14 PM](#)

[Attachment R- SESC Plan Review.pdf - 03/28/2016 04:14 PM](#)

[Attachment P- Code of Ordinance SESC.pdf - 03/28/2016 04:14 PM](#)

[Attachment S- Plan Development, Information.pdf - 03/28/2016 04:14 PM](#)

[Dearborn\\_CSWRC-ver1.1.pdf - 06/28/2019 09:32 AM](#)

#### **Comment**

Please read (1) Attach T as Attach T (2) SESC Application as Attachment Q-Zoning (3) Attach Q as Attach U- Site plan review (4) Grading regulations as Attachment R SESC (5) Attach u as Attach P-Codes (6) Attach R as Attach S Plan review

**28. Provide the reference to the procedure submitted above with the process for notifying the Part 91 Agency or appropriate staff when soil or sediment is discharged to the applicant's MS4 from a construction activity, including the notification timeframe. The procedure shall allow for the receipt and consideration of complaints or other information submitted by the public or identified internally as it relates to construction storm water runoff control. For non-Part 91 agencies, consideration of complaints may include referring the complaint to the qualifying local Soil Erosion and Sedimentation Control Program as appropriate. Construction activity is defined pursuant to Part 21, Wastewater Discharge Permits, Rule 323.2102 (K). The applicant may consider as part of their procedure when and under what circumstances the Part 91 Agency or appropriate staff will be contacted.**

See Section 5-202- Inspection of the Attachment P

See Attachment S- Inspections

**29. Provide the reference to the procedure submitted above with the requirement to notify the MDEQ when soil, sediment, or other pollutants are discharged to the applicant's MS4 from a construction activity, including the notification timeframe. Other pollutants include pesticides, petroleum derivatives, construction chemicals, and solid wastes that may become mobilized when land surfaces are disturbed. The applicant may consider as part of their procedure when and under what circumstances the MDEQ will be contacted.**

The City will not report instances of insignificant soil discharges to MDEQ. For instances, where the discharge of sediment can not be immediately contained on site, or if there are other pollutants that includes pesticides, petroleum derivatives, construction chemicals, and solid waste associated with

**30. Provide the reference to the procedure submitted above for ensuring that construction activity one acre or greater in total earth disturbance with the potential to discharge to the applicant's MS4 obtains a Part 91 permit, or is conducted by an approved Authorized Public Agency as appropriate. Note: For applicants that conduct site plan review, the procedure must be triggered at the site plan review stage.**

See Section 5-188 of the Attachment P-Code of Ordinances

See Paragraph 1 Introduction of attachment S

**31. Provide the reference to the procedure submitted above to advise the landowner or recorded easement holder of the property where the construction activity will occur of the State of Michigan Permit by Rule (Rule 323.2190).**

Development and redevelopment projects within the City results in less than 5 acres of earth disturbance which does not require NOTICE of COVERAGE. This is determined during the site plan review process. The developers are notified in advance during the siteFor larger projects that re

## **Section 9. Post-Construction Storm Water Runoff Program**

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[>>Click here to access the Low Impact Development Manual for Michigan. Chapter 9 of the manual provides a methodology for addressing post-construction storm water runoff.](#)

The MDEQ has the following resources available to assist with development of a Post-Construction Storm Water Runoff Program.

[>>Click here to access the Post-Construction Storm Water Runoff Program Compliance Assistance Document](#)

### **Post-Construction Storm Water Runoff Program Procedures, Ordinances, and Regulatory Mechanisms**

[Post-Construction.pdf - 10/01/2019 10:42 AM](#)

#### **Comment**

NONE PROVIDED

### **Ordinance or Other Regulatory Mechanism**

---

**32. Provide the reference to the in-effect ordinance or regulatory mechanism submitted above to address post-construction storm water runoff from new development and redevelopment projects, including preventing or minimizing water quality impacts. The ordinance or other regulatory mechanism shall apply to private, commercial, and public projects, including projects where the applicant is the developer. This requirement may be met using a single ordinance or regulatory mechanism or a combination of ordinances and regulatory mechanisms. If not available at this time, provide the date the ordinance or regulatory mechanism will be available.**

The city intends to review the Wayne County storm water ordinance and determine whether to adopt.

Post Construction storm water runoff procedures will be in place once the Wayne County ordinance is approved and after the City has reviewed.

**33. Provide the reference to the ordinance or other regulatory mechanism submitted above that applies to projects that disturb at least one or more acres, including projects less than an acre that are part of a larger common plan of development or sale and discharge into the applicant's MS4. If not available at this time, provide the date the ordinance or regulatory mechanism will be available.**

Post Construction storm water runoff procedures will be in place once the Wayne County ordinance is approved and after the City has reviewed.

#### **Federal Facilities**

Federal facilities are subject to the Energy Independence and Security Act of 2007. Section 438 of this legislation establishes post-construction storm water runoff requirements for federal development and redevelopment projects.

**34. Is the applicant the owner or operator of a federal facility with a storm water discharge**

No, skip to Question 36

35. Provide the reference to the regulatory mechanism submitted above with the requirement to implement the post-construction storm water runoff control requirements in Section 438 of the Energy Independence and Security Act. If not available at this time, provide the date the regulatory mechanism will be available.

The United States Environmental Protection Agency (USEPA) has a technical guidance available at the following link.

[USEPA Technical Guidance on Implementing the Stormwater Runoff Requirements](#)

**Provide the reference to the regulatory mechanism submitted above (page and paragraph of attachments): e.g., Attachment A, Section b.**

NONE PROVIDED

#### **Water Quality Treatment Performance Standard**

36. Does the ordinance or other regulatory mechanism include one or more of the following water quality treatment standards?

**Treat the first one inch of runoff from the entire project site. Provide the ordinance or regulatory mechanism reference in the attachment above (page and paragraph of attachments): e.g., Attachment A, Pages 1-15**

Post Construction storm water runoff procedures will be in place once the Wayne County ordinance is approved and after the City has reviewed.

**Treat the runoff generated from 90 percent of all runoff-producing storms for the project site. Provide the ordinance or regulatory mechanism reference in the attachment above (page and paragraph of attachments): e.g., Attachment A, Pages 1-15**

Post Construction storm water runoff procedures will be in place once the Wayne County ordinance is approved and after the City has reviewed.

**If no, provide the date the ordinance or regulatory mechanism will be submitted.**

NONE PROVIDED

37. If the applicant has chosen the water quality treatment standard of requiring treatment of the runoff generated from 90 percent of all runoff-producing storms, what is the source of the rainfall data?

The MDEQ memo included in the sources below is available at the following link.

[March 24, 2006 MDEQ memo providing the 90 percent annual non-exceedance storm statistics](#)

#### **Sources**

NONE PROVIDED

**Other rainfall data source (page and paragraph of attachments)**

Post Construction storm water runoff procedures will be in place once the Wayne County ordinance is approved and after the City has reviewed.

**38. Provide the reference to the ordinance or regulatory mechanism submitted above with the requirement that BMPs be designed on a site-specific basis to reduce post-development total suspended solids loadings by 80 percent or achieve a discharge concentration of total suspended solids not to exceed 80 milligrams per liter. If not available at this time, provide the date the ordinance or regulatory mechanism will be available.**

Post Construction storm water runoff procedures will be in place once the Wayne County ordinance is approved and after the City has reviewed.

#### **Channel Protection Performance Standard**

39. Provide the reference to the ordinance or regulatory mechanism submitted above with the requirement that the post-construction runoff rate and volume of discharges not exceed the pre-development rate and volume for all storms up to the two-year, 24-hour storm at the project site. At a minimum, pre-development is the last land use prior to the planned new development

or redevelopment. If not available at this time, provide the date the ordinance or regulatory mechanism will be available.

A MDEQ spreadsheet is available to assist with these calculations at the following link.

[Calculations for Storm Water Runoff Volume Control Spreadsheet](#)

**Provide the reference to the ordinance or regulatory mechanism submitted above.**

Post Construction storm water runoff procedures will be in place once the Wayne County ordinance is approved and after the City has reviewed.

**If pursuing an alternative approach, provide the reference to the ordinance or other regulatory mechanism submitted above describing the alternative to meet the minimum requirements, including an explanation as to how the channel protection standard will prevent or minimize water quality impacts.**

Post Construction storm water runoff procedures will be in place once the Wayne County ordinance is approved and after the City has reviewed.

**40. The channel protection performance standard is not required for the following waterbodies: the Great Lakes or connecting channels of the Great Lakes; Rouge River downstream of the Turning Basin; Saginaw River; Mona Lake and Muskegon Lake (Muskegon County); and Lake Macatawa and Spring Lake (Ottawa County). If applicable, provide the reference to the ordinance or regulatory mechanism submitted above that excludes any waterbodies from the channel protection performance standard. If not available at this time, provide the date the ordinance or regulatory mechanism will be available.**

Post Construction storm water runoff procedures will be in place once the Wayne County ordinance is approved and after the City has reviewed.

### **Site-Specific Requirements**

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**41. Provide the reference to the procedure submitted above for reviewing the use of infiltration BMPs to meet the water quality treatment and channel protection standards for new development or redevelopment projects in areas of soil or groundwater contamination in a manner that does not exacerbate existing conditions. The procedure shall include the process for coordinating with MDEQ staff as appropriate.**

Post Construction storm water runoff procedures will be in place once the Wayne County ordinance is approved and after the City has reviewed.

**42. Provide the reference to the ordinance or regulatory mechanism submitted above that requires BMPs to address the associated pollutants in potential hot spots as part of meeting the water quality treatment and channel protection standards for new development or redevelopment projects. Hot spots include areas with the potential for significant pollutant loading such as gas stations, commercial vehicle maintenance and repair, auto recyclers, recycling centers, and scrap yards. Hot spots also include areas with the potential for contaminating public water supply intakes. If not available at this time, provide the date the ordinance or regulatory mechanism will be available.**

Post Construction storm water runoff procedures will be in place once the Wayne County ordinance is approved and after the City has reviewed.

### **Off-Site Mitigation and Payment in Lieu Programs**

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**43. An applicant may choose to allow for the approval of off-site mitigation for redevelopment projects that cannot meet 100 percent of the performance standards on-site after maximizing storm water retention. Off-site mitigation refers to BMPs implemented at another location within the same jurisdiction and watershed/sewershed as the original project. A watershed is the geographic area included in a 10-digit Hydrologic Unit Code and a sewershed is the area where storm water is conveyed by the applicant's MS4 to a common outfall or point of discharge. If proposing to allow for off-site mitigation, provide the reference to the ordinance or regulatory mechanism submitted above with the off-site mitigation requirements. If not available at this time, provide the date the ordinance or regulatory mechanism will be available.**

Not pursuing this option.

**44. An applicant may choose to allow for the approval of payment in lieu for projects that cannot meet 100 percent of the performance standards on-site after maximizing storm water retention. A payment in lieu program refers to a developer paying a fee to the applicant that is applied to a public storm water management project within the same jurisdiction and watershed/sewershed as the original project in lieu of installing the required BMPs onsite. The storm water management project may be either a new BMP or a retrofit to an existing BMP and shall be developed in accordance with the applicant's performance standards. A watershed is the geographic area included in a 10-digit Hydrologic Unit Code and a sewershed is the area where storm water is conveyed by the applicant's MS4 to a common outfall or point of discharge. If proposing to allow for payment in lieu, provide the reference to the ordinance or regulatory mechanism submitted above with the payment in lieu requirements. If not available at this time, provide the date the ordinance or regulatory mechanism will be available. If not pursuing the options available in Questions 43 and 44, skip to Question 52.**

Not pursuing this option.

**45. Provide the reference the the ordinance or regulatory mechanism submitted above that establishes criteria for determining the conditions under which off-site mitigation and/or payment in lieu are available and require technical justification as to the infeasibility of on-site management. The determination that performance standards cannot be met on-site shall not be based solely on the difficulty or cost of implementing, but shall be based on multiple criteria related to the physical constraints of the project site, such as: too small of a lot outside of the building footprint to create the necessary infiltrative capacity even with amended soils; soil instability as documented by a thorough geotechnical analysis; a site use that is inconsistent with the capture and reuse of storm water; too much shade or other physical conditions that preclude adequate use of plants. The criteria shall also include consideration of the stream order and location within the watershed/sewershed as it relates to the water quality impacts from the original project site (e.g., the water quality impact from a project site with a discharge to a small-sized stream would be greater than a project site on a large river and an offset downstream of the project site may provide less water quality benefit.) The highest preference for off-site mitigation and in lieu projects shall be given to locations that yield benefits to the same receiving water that received runoff from the original project site. If not available at this time, provide the date the ordinance or regulatory mechanism will be available.**

Not pursuing this option.

**46. Provide the reference to the ordinance or regulatory mechanism submitted above that establishes a minimum amount of storm water to be managed on-site as a first tier for off-site mitigation or payment in lieu. A higher offset ratio is required if off-site mitigation or payment in lieu is requested for the amount of storm water identified as the first tier. For example, a minimum of 0.4 inches of storm water runoff shall be managed on-site as a first tier. If not available at this time, provide the date the ordinance or regulatory mechanism will be available.**

Not pursuing this option.

**47. Provide the reference to the ordinance or regulatory mechanism submitted above that requires an offset ratio of 1:1.5 for the amount of storm water above the first tier (identified in Question 46) not managed on-site to the amount of storm water required to be mitigated at another site or for which in-lieu payments shall be made. If not available at this time, provide the date the ordinance or regulatory mechanism will be available.**

Not pursuing this option.

**48. Provide the reference to the ordinance or regulatory mechanism submitted above requiring that if demonstrated by the developer to the applicant that it is completely infeasible to manage the first tier of storm water identified in Question 47 on-site, the offset ratio for the unmanaged portion is 1:2. If not available at this time, provide the date the ordinance or regulatory mechanism will be available.**

Not pursuing this option.

**49. Provide the reference to the ordinance or regulatory mechanism submitted above that requires a schedule for completing off-site mitigation and in-lieu projects. Off-site mitigation and in-lieu projects should be completed within 24 months after the start of the original project site construction. If not available at this time, provide the date the ordinance or regulatory mechanism will be available.**

Not pursuing this option.

**50. Provide the reference to the ordinance or regulatory mechanism submitted above that requires that offsets and in-lieu projects be preserved and maintained in perpetuity, such as deed restrictions and long-term operation and maintenance. If not available at this time, provide the date the ordinance or regulatory mechanism will be available.**

Not pursuing this option.

**51. Describe the tracking system implemented, or to be implemented, to track off-site mitigation and/or in-lieu projects.**

Not pursuing this option.

**52. If there are any other exceptions to the performance standards (other than off-site mitigation and payment in lieu) being implemented or to be implemented during the permit cycle, provide the reference to the document submitted above describing the exception(s). The applicant shall demonstrate how the exception provides an equivalent or greater level of protection as the performance standards.**

None

#### **Site Plan Review**

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**53. Provide the reference to the ordinance or regulatory mechanism submitted above that includes a requirement to submit a site plan for review and approval of post-construction storm water runoff BMPs. If not available at this time, provide the date the ordinance or regulatory mechanism will be available.**

Post Construction storm water runoff procedures will be in place once the Wayne County ordinance is approved and after the City has reviewed.

**54. Provide the reference to the procedure submitted above for site plan review and approval. If not available at this time, provide the date the procedure will be available.**

Post Construction storm water runoff procedures will be in place once the Wayne County ordinance is approved and after the City has reviewed.

**55. Provide the reference to the site plan review and approval procedure submitted above describing the process for determining how the developer meets the performance standards and ensures long-term operation and maintenance of BMPs in the attachment above. If not available at this time, provide the date the procedure will be available.**

Post Construction storm water runoff procedures will be in place once the Wayne County ordinance is approved and after the City has reviewed.

#### **Long-Term Operation and Maintenance of BMPs**

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**56. Provide the reference to the ordinance or regulatory mechanism submitted above that requires the long-term operation and maintenance of all structural and vegetative BMPs installed and implemented to meet the performance standards in perpetuity. If not available at this time, provide the date the procedure will be available.**

Post Construction storm water runoff procedures will be in place once the Wayne County ordinance is approved and after the City has reviewed.

**57. Provide the reference to the ordinance or regulatory mechanism submitted above that requires a maintenance agreement between the applicant and owners or operators responsible for the long-term operation and maintenance of structural and vegetative BMPs installed and implemented to meet the performance standards. If not available at this time, provide the date the procedure will be available.**

Post Construction storm water runoff procedures will be in place once the Wayne County ordinance is approved and after the City has reviewed.

**58. Does the maintenance agreement or other legal mechanism allow the applicant to complete the following? (Check if yes)**

NONE PROVIDED

**If any of the boxes above were not checked, provide a response explaining how the maintenance agreement or other legal mechanism allows the applicant to verify and ensure maintenance of the BMP.**

Post Construction storm water runoff procedures will be in place once the Wayne County ordinance is approved and after the City has reviewed.

**59. Provide the reference to the procedure submitted above for tracking compliance with a maintenance agreement or other legal mechanism to ensure the performance standards are met in perpetuity in the attachment above.**

Post Construction storm water runoff procedures will be in place once the Wayne County ordinance is approved and after the City has reviewed.

### **Section 10. Pollution Prevention and Good Housekeeping Program**

## Pollution Prevention and Good Housekeeping Program Procedures

[Attach G- file 1, PIPP- DPW.pdf - 03/29/2016 02:56 PM](#)

[Attach G, file 2, PIPP, MT.pdf - 03/29/2016 02:59 PM](#)

[Catch\\_Basin\\_Priority\\_List.xlsx - 06/28/2019 10:23 AM](#)

[Appendix H- DPW Complex 2951 Greenfield SOP-High.pdf - 07/01/2019 01:56 PM](#)

[Appendix H-P2GH-updated July 19 with map.pdf - 08/05/2019 09:25 AM](#)

[Question 71.docx - 10/02/2019 01:51 PM](#)

### Comment

Please read (1) Attach G file 1 as Attach G-file 1 (2) Attach G as Attach G file 2 (3) PIPP as Attach H file 1 of 3 (4) file MT.pdf as Attach H file 2 of 3 (5) Attach G-file 1 as Attach H file 3 of 3 (6) PIPP-DPW.pdf as Attachment E (7) Attach G as AtF

## Municipal Facility and Structural Storm Water Control Inventory

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**60. Provide the reference to the up-to-date inventory submitted above identifying applicant-owned or operated facilities and storm water structural controls with a discharge of storm water to surface waters of the state. The inventory shall include the location of each facility. Provide an estimate of the number of structural storm water controls throughout the entire MS4 for each applicable category below (e.g., 100 catch basins and 7 detention basins). For example, Attachment A, Page 3, Section B.**

Attachment H, Page 3 through 5, Table 1

### Facilities that may have the high potential to discharge pollutants:

Bus Stations and Garages  
Equipment storage and maintenance facilities  
Fleet maintenance facilities  
Materials storage and Public Works yards  
Outdoor wash areas  
Salt storage facilities

### Check all applicant-owned or operated facilities with a discharge of storm water to surface waters of the state:

Administration buildings and libraries  
Animal Control Building  
Fire Stations  
Parks  
Police Stations  
Public golf courses  
Public parking lots  
Vacant land and open space  
Vehicle storage

### Check all applicant-owned or operated structural storm water controls with a discharge of storm water to surface waters of the state:

Catch basins  
Pump Stations  
Underground storage vaults or tanks

**61. Provide the location where an up-to-date map (or maps) is available with the location of the facilities and structural storm water controls identified in Question 60. The location of the facilities and structural storm water controls may be included on the storm sewer system map maintained for the IDEP. The map (or maps) is available at the following location: (e.g., The Department of Public Works office)**

Dearborn Administrative Center, Engineering Division, 16901 Michigan Avenue, suite 19, MI-48126

**62. Provide the reference to the procedure submitted above for updating and revising the inventory in Question 60 and map (or maps) identified in Question 61 as facilities and structural storm water controls are added, removed, or no longer owned or operated by the applicant in the attachment above. A suggested timeframe for updating/revising the inventory and map(s) is 30 days following adding/removing a facility or structural storm water control.**

See Attachment H

## Facility-Specific Storm Water Management

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**63. Provide the reference to the procedure submitted above for assessing each facility identified in Question 60 for the potential to discharge pollutants to surface waters of the state. The procedure shall include a process for updating and revising the assessment. A recommended timeframe for updating/revising the assessment is 30 days prior to discharging storm water from a new facility and within 30 days of determining a need to update/revise the facility assessment.**

The applicant should consider the following factors when assessing each facility:

- Amount of urban pollutants stored at the site (e.g., sediment, nutrients, metals, hydrocarbons, pesticides, fertilizers, herbicides, chlorides, trash, bacteria, or other site-specific pollutants)
- Identification of improperly stored materials
- The potential for polluting activities to be conducted outside (e.g., vehicle washing)
- Proximity to waterbodies
- Poor housekeeping practices
- Discharge of pollutants of concern to impaired waters

If the applicant does not own a facility that discharges storm water to surface waters of the state in the urbanized area, skip to Question 71.

**Provide the reference to the procedure submitted above (page and paragraph of attachments): e.g., Attachment A, Section b.**

See Attachment H, Page 2, Section B

**If not applicable**

NONE PROVIDED

**64. Provide the reference to the list of prioritized facilities submitted above using the assessment in Question 63. Each facility shall be prioritized based on having the high, medium, or low potential to discharge pollutants to surface waters of the state. Facilities with the high potential for pollutant runoff shall include, but are not limited to, the applicant's fleet maintenance and storage yards. The applicant may choose to demonstrate how a fleet maintenance/storage yard has the low potential to discharge pollutants to surface waters of the state. If demonstrating a low potential, provide the reference to the demonstration submitted above for the fleet maintenance and/or storage yard.**

See Appendix H, Tables 1

**65. Is a site-specific standard operating procedure (SOP) available identifying the structural and non-structural storm water controls implemented and maintained to prevent or reduce pollutant runoff at each facility with the high potential for pollutant runoff? The SOP shall be available at each facility with the high potential for pollutant runoff and upon request from the MDEQ. The SOP shall identify the person responsible for oversight of the facility. The MDEQ may request the submission of the SOP during the application review process.**

Yes, a site-specific SOP is available at each facility with the high potential for pollutant runoff

**66. Provide the reference in the SOP, for each facility with the high potential for pollutant runoff, to the following: the list of significant materials stored on-site that could pollute storm water; the description of the handling and storage requirements for each significant material; and the potential to discharge the significant material. (SOP Reference Example: DPW Yard SOP Section 2)**

See Attachment G, file 1 (DPW Facility Pages 4-6); Attachment G, file 2 (Motor Transport Facility Pages 4-7)

See Attachment H-DPW Complex 2951 Greenfield SOP-High

**67. Provide the reference in the SOP, for each facility with the high potential for pollutant runoff, identifying the good housekeeping practices implemented at the site. Good housekeeping practices include keeping the facility neat and orderly, properly storing and covering materials, and minimizing pollutant sources to prevent or reduce pollutant runoff. (SOP Reference Example: DPW Yard SOP Section 2)**

See Attachment G, file 1 (DPW Facility Pages 4-6); Attachment G, file 2 (Motor Transport Facility Pages 4-7)

See Attachment H-DPW Complex 2951 Greenfield SOP-High

**68. Provide the reference in the SOP, for each facility with the high potential for pollutant runoff, to the description and schedule for conducting routine maintenance and inspections of storm water management and control devices to ensure materials and equipment are clean and orderly and to prevent or reduce pollutant runoff. A biweekly schedule is recommended for routine inspections. (SOP Reference Example: DPW Yard SOP Section 2)**

See Attachment G, file 1 (DPW Facility Pages 11); Attachment G, file 2 (Motor Transport Facility Pages 7)

See Attachment H-DPW Complex 2951 Greenfield SOP-High

**69. Provide the reference in the SOP, for each facility with the high potential for pollutant runoff, to the description and schedule for conducting a comprehensive site inspection at least once every six months. The comprehensive inspection shall include an inspection of all structural storm water controls and a review of non-structural storm water controls to prevent or reduce pollutant runoff. (SOP Reference Example: DPW Yard SOP Section 2)**

See Attachment H-DPW Complex 2951 Greenfield SOP-High, Section I

**70. Provide the reference to the procedure submitted above identifying the BMPs currently implemented or to be implemented during the permit cycle to prevent or reduce pollutant runoff at each facility with the medium and lower potential for the discharge of pollutants to surface waters of the state using the assessment and prioritized list in Questions 63 and 64.**

See Appendix H, Table 1

### **Structural Storm Water Control Operation and Maintenance Activities**

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**71. Provide the reference to the procedure submitted above for prioritizing each catch basin for routine inspection, maintenance, and cleaning based on preventing or reducing pollutant runoff. The procedure shall include assigning a priority level for each catch basin and the associated inspection, maintenance and cleaning schedule based on preventing or reducing pollutant runoff. The procedure shall include a process for updating/revising the priority level for a catch basin giving consideration to inspection findings and citizen complaints. A recommended timeframe for updating/revising the procedure is 30 days following the construction of a catch basin or a change in priority level. If the applicant does not own or operate catch basins skip to Question 75.**

See Appendix H, Section G-I

See Question 71

**72. Provide the reference to the narrative description or map submitted above with the geographic location of the catch basins in each priority level.**

See Appendix H, Section G-H

73. Provide the reference to the procedure submitted above for inspecting, cleaning, and maintaining catch basins to ensure proper performance. Proper cleaning methods include ensuring accumulated pollutants are not discharged during cleaning and are removed prior to discharging to surface waters of the state. An MDEQ Catch Basin Cleaning Activities guidance document is available at the following link.

[Catch Basin Cleaning Activities Guidance Document](#)

**Provide the reference to the procedure submitted above (page and paragraph of attachments): e.g., Attachment A, Section b.**

See Appendix H-Section I

74. Provide the reference to the procedure submitted above for dewatering, storage, and disposal of materials extracted from catch basins. An MDEQ Catch Basin Cleaning Activities guidance document is available at the following link.

[Catch Basin Cleaning Activities Guidance Document](#)

**Provide the reference to the procedure submitted above (page and paragraph of attachments): e.g., Attachment A, Section b.**

See Appendix H, Section J

**75. If the applicant owns or operates structural storm water controls identified in Question 60, excluding the structural storm water controls included in an SOP as part of Question 65 and catch basins, provide the reference to the procedure submitted above for inspecting and maintaining the structural storm water controls. The procedure shall include a description and schedule for inspecting and maintaining each structural storm water control and the process for disposing of maintenance waste materials. The procedure shall require that controls be maintained to reduce to the maximum extent practicable the contribution of pollutants to storm water. The procedure shall include a process for updating/revising the procedure to ensure a maintenance and inspection program for each structural storm water control. A recommended timeframe for updating/revising the procedure is 30 days following the implementation of a new structural storm water control.**

See Attachment H

**76. Provide the reference to the procedure submitted above requiring new applicant-owned or operated facilities or new structural storm water controls for water quantity be designed and implemented in accordance with the post-construction storm water runoff control performance standards and long-term operation and maintenance requirements.**

See Attachment H

### **Municipal Operations and Maintenance Activities**

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77. Provide the reference to the procedure(s) submitted above with the assessment of the following operation and maintenance activities, if applicable, for the potential to discharge pollutants to surface waters of the state. The assessment shall identify all pollutants that could be discharged from each applicable operation and maintenance activity and the BMPs being implemented or to be implemented to prevent or reduce pollutant runoff. The procedure shall include a process for updating and revising the assessment. A suggested timeframe for updating/revising the assessment is 30 days following adding/removing BMPs to

address new and existing operation and maintenance activities.

**At a minimum, the procedure shall include assessing the following municipal operation and maintenance activities if applicable (check all that apply):**

Road, parking lot, and sidewalk maintenance (e.g., pothole, sidewalk, and curb and gutter repair)

Cold weather operations (e.g., plowing, sanding, application of deicing agents, and snow pile disposal)

Vehicle washing and maintenance of applicant-owned vehicles (e.g., police, fire, school bus, public works)

**Provide the reference to the procedure submitted above (page and paragraph of attachments): e.g., Attachment A, Section b.**

See Attachment H

**78. Provide the reference to the procedure submitted above for prioritizing applicant-owned or operated streets, parking lots, and other impervious infrastructure for street sweeping based on the potential to discharge pollutants to surface waters of the state. The procedure shall include assigning a priority level for each parking lot and street and the associated cleaning schedule (i.e., sweeping frequency and timing) based on preventing or reducing pollutant runoff. The procedure shall include a process for updating/revising the priority level giving consideration to street sweeping findings and citizen complaints. A recommended timeframe for updating/revising the prioritization is 30 days following the construction of a new street, parking lot, or other applicant-owned or operated impervious surface or within 30 days of identifying a need to revise a priority level. If the applicant does not own or operate any streets, parking lots, or other impervious infrastructure, skip to Question 82.**

See Appendix H, Section F

**79. Provide the reference to the narrative description or map submitted above with the geographic location of the streets, parking lots, and other impervious surfaces in each priority level.**

See Appendix H, Section F

**80. Provide the reference to the procedure submitted above identifying the sweeping methods based on the applicant's sweeping equipment and use of additional resources in sweeping seasonal leaves or pick-up of other materials. Proper sweeping methods include operating sweeping equipment according to the manufacturers' operating instructions and to protect water quality.**

See Appendix H, Section F

81. Provide the reference to the procedure submitted above for dewatering, storage, and disposal of street sweeper waste material. An MDEQ Catch Basin Cleaning Activities guidance document is available at the following link and includes information on street sweeping requirements.

[Catch Basin Cleaning Activities Guidance Document](#)

**Provide the reference to the procedure submitted above (page and paragraph of attachments): e.g., Attachment A, Section b.**

See Appendix H, Section J

## **Managing Vegetated Properties**

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82. If the applicant's pesticide applicator does not exclusively use ready-to-use products from the original container, provide the reference to the procedure submitted above requiring the applicant's pesticide applicator to be certified by the State of Michigan as an applicator in the applicable category, to prevent or reduce pollutant runoff from vegetated land. A description of the certified applicator categories is available at the following link. If the applicant only applies ready-to-use products from the original container, enter **Not Applicable**.

[Commercial Pesticide Application Certification Categories](#)

**Provide the reference to the procedure submitted above (page and paragraph of attachments): e.g., Attachment A, Section b.**

See Appendix H, Section M

## **Contractor Requirements and Oversight**

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**83. Provide the reference to the procedure submitted above requiring contractors hired by the applicant to perform municipal operation and maintenance activities comply with all pollution prevention and good housekeeping BMPs as appropriate. The procedure shall include the process implemented for providing oversight of contractor activities to ensure compliance.**

See Appendix H, Section O

## **Employee Training**

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84. Provide the reference to the employee training program submitted above to train employees involved in implementing or overseeing the pollution prevention and good housekeeping program. The program shall include the training schedule. At a minimum, existing staff shall be trained once during the permit cycle and within the first year of hire for new staff.

See Appendix H, Section N

## **Section 11. Total Maximum Daily Load Implementation Plan**

The USEPA has a document to assist with developing a TMDL Implementation Plan available at the following link.

[Understanding Impaired Waters and Total Maximum Daily Load \(TMDL\) Requirements for Municipal Stormwater Programs](#)

### **Total Maximum Daily Load Implementation Plan**

[Attachment K, TMDL, file 2 of 4.pdf - 03/29/2016 09:28 AM](#)

[Attachment K, TMDL, file 4 of 4.pdf - 03/29/2016 09:29 AM](#)

[Attachment K, TMDL, file 3 of 4.pdf - 03/29/2016 09:29 AM](#)

[Attachment K, TMDL, file 1 of 4.pdf - 03/29/2016 09:29 AM](#)

[Storm water outfall location Map Model \(1\).pdf - 06/28/2019 09:55 AM](#)

[Sampling sites for storm water outfalls.pdf - 06/28/2019 09:55 AM](#)

[Master-storm water outfall location Map Model \(1\).pdf - 07/16/2019 01:02 PM](#)

[TMDL\\_general-July19.pdf - 08/05/2019 09:31 AM](#)

#### **Comment**

Please read (1) Attachment K as Attachment K file 2 of 4(2) TMDL as Attachment k file 4 of 4 (3) file 2 of 4 as Attachment h file 1 of 4 (4)Attachment k, as Attachment K file 3 of 4 (5) file 4 of 4 as attachment E (6) TMDL as Attachment F

**Proposing to work collaboratively on any or all activities in the TMDL Implementation Plan during the permit cycle.**

Yes

85. If a TMDL(s) was included in the applicant's application notice, provide the name(s) below. If no TMDL was identified, skip to the next section.

Rouge River watershed;( Biota, E.Coli)

86. Provide the reference to the procedure submitted above describing the process for identifying and prioritizing BMPs currently being implemented or to be implemented during the permit cycle to make progress toward achieving the pollutant load reduction requirement in each TMDL identified in Question 85. The procedure shall include a process for reviewing, updating, and revising BMPs implemented or to be implemented to ensure progress in achieving the TMDL pollutant load reduction.

See TMDL\_general-July19

87. Provide the reference to the TMDL BMP Priority List submitted above with prioritized BMPs currently being implemented or to be implemented during the permit cycle to make progress toward achieving the pollutant load reduction requirement in each TMDL identified in Question 85. Each BMP shall include a reference to the targeted TMDL pollutant.

See TMDL\_general-July19

88. Provide the reference to the TMDL Monitoring Plan submitted above for assessing the effectiveness of the BMPs currently being implemented, or to be implemented, in making progress toward achieving the TMDL pollutant load reduction requirement, including a schedule for completing the monitoring. Monitoring shall be specifically for the pollutant identified in the TMDL. Monitoring may include, but is not limited to, outfall monitoring, in-stream monitoring, or modeling. At a minimum, monitoring shall be conducted two times during the permit cycle or at a frequency sufficient to determine if the BMPs are adequate in making progress toward achieving the TMDL pollutant load reduction. Existing monitoring data may be submitted for review as part of the plan to meet part of the monitoring requirement.

See TMDL\_general-July19

## **Section 12. Phase I only Industrial Facility Inspection Program**

### **Industrial Facility Inspection Program Procedures**

NONE PROVIDED

#### **Comment**

NONE PROVIDED

89. Provide the reference to the procedure submitted above describing the process for identifying existing industrial facilities, as

defined below, within the applicant's jurisdiction that discharge stormwater to the applicant's MS4.

Industrial facilities include, but are not limited to, the following:

- Industrial facilities that the applicant determines are contributing a substantial pollutant loading to the MS4
- Industrial facilities subject to the Superfund Amendments and Reauthorization Act (SARA)
- Hazardous waste treatment, disposal, storage, and recovery facilities

**Provide the reference to the procedure submitted above (page and paragraph of attachments): e.g., Attachment A, Section b.**

NONE PROVIDED

**90. Provide the reference to the inventory of industrial facilities submitted above using the procedure in Question No. 89.**

NONE PROVIDED

91. Provide the reference to the procedure submitted above for prioritizing the industrial facilities identified in Question No. 90 for inspection. Each industrial facility shall be evaluated and prioritized based on having a high, medium or low potential to discharge pollutants to the applicant's MS4. The procedure shall include a process for updating and revising the prioritization, including modifying the priority level based on contribution of significant pollutant loading to the MS4, inspection findings, and the potential to discharge pollutants.

The applicant should consider the following factors when prioritizing an industrial facility:

- Pollutant sources stored on site
- Pollutants of concern
- Proximity to impaired surface waters of the state
- The applicant's violation or complaint history with the facility

**Provide the reference to the procedure submitted above (page and paragraph of attachments): e.g., Attachment A, Section b.**

NONE PROVIDED

**92. Provide the reference to the list of the prioritized industrial facilities for inspection submitted above.**

NONE PROVIDED

93. Provide the reference to the procedure submitted above for inspecting industrial facilities based on the prioritized list in Question No. 92 to evaluate pollutant source controls. The number or percentage of facilities to be inspected (e.g., 20% annually) or the inspection frequency for the different priority levels (e.g., high priority facilities inspected annually) shall be identified with the highest priority facilities receiving more frequent inspections. The procedure shall include a process for inspecting facilities based on complaints concerning pollutants discharged to the applicant's MS4.

At a minimum, inspections shall include an evaluation of BMPs implemented and maintained to control pollutant sources at the industrial facility and for evidence of unauthorized discharges, illicit connections, and potential discharges of pollutants to the applicant's MS4.

The procedure shall include notifying the applicable Water Resources Division District Office if an industrial facility appears to be in violation of the NPDES industrial stormwater program.

**Provide the reference to the procedure submitted above (page and paragraph of attachments): e.g., Attachment A, Section b.**

NONE PROVIDED

94. Provide the reference to the employee training program submitted above to train employees whose primary job duties are to implement the industrial facility inspection program. The program shall include the training schedule. At a minimum, existing staff shall be trained once during the permit cycle and new hires within the first year of their hire date. The training shall cover facility inspection procedures.

[Click here to access the State of Michigan Industrial Stormwater program page](#)

**Provide the reference to the program submitted above (page and paragraph of attachments): e.g., Attachment A, Page 3, Section b.**

NONE PROVIDED

## **Section 13. Certify and Submit**

**Comments (As needed)**

NONE PROVIDED

**Additional Documents (As needed)**

response2.pdf - 08/29/2019 08:23 PM

**Comment**

NONE PROVIDED

**Attachments**

<b>Date</b>	<b>Attachment Name</b>	<b>Context</b>	<b>User</b>
10/7/2019 9:14 AM	Attachment D-Ordinance number 19-190 IDEP .pdf	Attachment	James Foss City Dearborn
10/2/2019 1:51 PM	Question 71.docx	Attachment	James Foss City Dearborn
10/1/2019 10:42 AM	Post-Construction.pdf	Attachment	James Foss City Dearborn
10/1/2019 10:12 AM	Attachment D - ORD NO. 18-1630 - IDEP (1).pdf	Attachment	James Foss City Dearborn
8/29/2019 8:23 PM	response2.pdf	Attachment	James Foss City Dearborn
8/5/2019 9:31 AM	TMDL_general-July19.pdf	Attachment	James Foss City Dearborn
8/5/2019 9:25 AM	Appendix H-P2GH-updatedJuly19 with map.pdf	Attachment	James Foss City Dearborn
8/5/2019 9:14 AM	IDEP Corrective Action Notification.pdf	Attachment	James Foss City Dearborn
8/5/2019 9:12 AM	Dearborn_PPP-July19.pdf	Attachment	James Foss City Dearborn
8/5/2019 9:12 AM	Dearborn_ERP-July19.pdf	Attachment	James Foss City Dearborn
7/16/2019 1:02 PM	Master-storm water outfall location Map Model (1).pdf	Attachment	James Foss City Dearborn
7/1/2019 1:56 PM	Appendix H- DPW_Complex_2951_Greenfield_SOP-High.pdf	Attachment	James Foss City Dearborn
6/28/2019 10:23 AM	Catch_Basin_Priority_List.xlsx	Attachment	James Foss City Dearborn
6/28/2019 9:55 AM	Sampling sites for storm water outfalls.pdf	Attachment	James Foss City Dearborn
6/28/2019 9:55 AM	Storm water outfall location Map Model (1).pdf	Attachment	James Foss City Dearborn
6/28/2019 9:48 AM	Attachment C-SOP Illicit Discharge Elimination Plan revJune19.pdf	Attachment	James Foss City Dearborn
6/28/2019 9:46 AM	Attachment E - Dearborn_PEP.pdf	Attachment	James Foss City Dearborn
6/28/2019 9:32 AM	Dearborn_CSWRC-ver1.1.pdf	Attachment	James Foss City Dearborn
3/29/2016 2:59 PM	Attach G, file 2,PIPP, MT.pdf	Attachment	Mohmedyunus Patel
3/29/2016 2:56 PM	Attach G- file 1, PIPP- DPW.pdf	Attachment	Mohmedyunus Patel
3/29/2016 2:33 PM	Attach G, file 3, SOP ,Spill Response.pdf	Attachment	Mohmedyunus Patel
3/29/2016 2:33 PM	Attach G, file 2,PIPP, MT.pdf	Attachment	Mohmedyunus Patel

Date	Attachment Name	Context	User
3/29/2016 2:32 PM	Attach G- file 1, PIPP- DPW.pdf	Attachment	Mohmedyunus Patel
3/29/2016 2:32 PM	Attachment F-IDEP-BMI.pdf	Attachment	Mohmedyunus Patel
3/29/2016 1:12 PM	Attachment C, SOP-Illicit Discharge Elimination Program.pdf	Attachment	Mohmedyunus Patel
3/29/2016 9:29 AM	Attachment K, TMDL, file 3 of 4.pdf	Attachment	Mohmedyunus Patel
3/29/2016 9:29 AM	Attachment K, TMDL, file 1 of 4.pdf	Attachment	Mohmedyunus Patel
3/29/2016 9:29 AM	Attachment K, TMDL, file 4 of 4.pdf	Attachment	Mohmedyunus Patel
3/29/2016 9:28 AM	Attachment K, TMDL, file 2 of 4.pdf	Attachment	Mohmedyunus Patel
3/28/2016 4:14 PM	Attachment S- Plan Development, Information.pdf	Attachment	Mohmedyunus Patel
3/28/2016 4:14 PM	Attachment P- Code of Ordinance SESC.pdf	Attachment	Mohmedyunus Patel
3/28/2016 4:14 PM	Attachment R- SESC Plan Review.pdf	Attachment	Mohmedyunus Patel
3/28/2016 4:14 PM	Attachment U- Commercial Site Plan Instrction and Application.pdf	Attachment	Mohmedyunus Patel
3/28/2016 4:14 PM	Attachment Q- Zoning Ordinance, Grading Regulations.pdf	Attachment	Mohmedyunus Patel
3/28/2016 4:13 PM	Attachment T, SESC Application requirements.pdf	Attachment	Mohmedyunus Patel
3/28/2016 11:24 AM	Attachment E- Illicit Discharge Elimination Program and Public Education Program.pdf	Attachment	Mohmedyunus Patel
3/28/2016 10:58 AM	Location map-storm outfall.pdf	Attachment	Mohmedyunus Patel

## Status History

	User	Processing Status
10/2/2019 1:21:24 PM	James Foss City of Dearborn	Draft
10/7/2019 9:16:08 AM	James Foss City of Dearborn	Submitted
4/28/2021 9:08:05 AM	Elaine Wild	Complete

## Revisions

Revision	Revision Date	Revision By
Revision 1	4/1/2016 2:35 PM	Mohmedyunus Patel
Revision 2	6/27/2019 2:58 PM	James Foss City of Dearborn
Revision 3	10/2/2019 1:21 PM	James Foss City of Dearborn