

# Village of Beverly Hills

## National Pollutant Discharge Elimination System

### Permit Application for Discharge of Storm Water to Surface Waters of the State from a Municipal Separate Storm Sewer System

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## **Village of Beverly Hills**

### **Section 4: Regulated Area, Outfalls/Points of Discharge, and Nested Jurisdictions**

#### **Outfall and Point of Discharge Information**

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.

Attachment: [Appendix A – List of Village Outfalls](#)

Comment:

#### **Nested Jurisdictions**

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.

[None](#)

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

#### STORM WATER MANAGEMENT PROGRAM (SWMP)

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.

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

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.

1. Provide the ERP. The ERP shall include the applicant's expected response to violations to compel compliance with an ordinance or regulatory mechanism implemented by the applicant in the SWMP (e.g., written notices, citations, and fines). The ERP shall contain a method for tracking instances of non-compliance, including, as appropriate, the entity responsible for violating the applicant's ordinance or regulatory mechanism, the date and location of the violation, a description of the violation, a description of the enforcement response used, a schedule for returning to compliance, and the date the violation was resolved. The applicant may keep an electronic file or hard copy file of the enforcement tracking. For best results please upload one document at a time.

Attachment: [Appendix B – Enforcement Response Procedure](#)

Comment: [The Village provides information on how to report a complaint/concern under the Environmental area on the "Community" tab on the Village website. Copy of the Village Ordinance Chapter 30 Surface Drainage in Appendix](#)

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

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**

Provide the procedures that describe the current and proposed BMPs to meet the minimum control measure requirements for the PPP to the maximum extent practicable as required below. It is recommended that files be separated and then converted to a PDF format before being attached below to meet the file size limit. For best results please upload one document at a time.

Attachment: [Appendix C - Collaborative Public Participation/Involvement Program](#)

Comment:

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.

[Appendix C - Collaborative Public Participation/Involvement Program, Section B](#)

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):

[Appendix C - Collaborative Public Participation/Involvement Program, Section D](#)

### **Section 6: Public Education Program**

The applicant shall describe the current and proposed BMPs to meet the minimum control measure requirements for the Public Education Program (PEP) 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 PEP during the permit cycle. The following questions represent the minimum requirements for the PEP. 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.

### **PEP Procedures**

Provide the procedures that describe the current and proposed BMPs to meet the minimum control measure requirements for the PEP to the maximum extent practicable as required below. For best results please upload one document at a time.

Attachment: [Appendix D - Collaborative Public Education Program](#)

Comment:

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).

[Appendix D - Collaborative Public Education Program, Section A, Page 2](#)

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.

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.

[High. See Table 2. Appendix D - Collaborative Public Education Program, Section C, Page 3](#)

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.

[High. See Table 2. Appendix D - Collaborative Public Education Program, Section C, Page 3](#)

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.

[High. See Table 2. Appendix D - Collaborative Public Education Program, Section C, Page 3](#)

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.

[Medium. See Table 2. Appendix D - Collaborative Public Education Program, Section C, Page 3](#)

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.

[High. See Table 2. Appendix D - Collaborative Public Education Program, Section C, Page 3](#)

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.

[High. See Table 2. Appendix D - Collaborative Public Education Program, Section C, Page 3](#)

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.

[High. See Table 2. Appendix D - Collaborative Public Education Program, Section C, Page 3](#)

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.

[High. See Table 2. Appendix D - Collaborative Public Education Program, Section C, Page 3](#)

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.  
[High. See Table 2. Appendix D - Collaborative Public Education Program, Section C, Page 3](#)

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.  
[Low. See Table 2. Appendix D - Collaborative Public Education Program, Section C, Page 3](#)

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.  
[Appendix D - Collaborative Public Education Program, Section D, Page 13](#)

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

The applicant shall describe the current and proposed BMPs to meet the minimum control measure requirements for the Illicit Discharge Elimination Program (IDEP) to the Maximum Extent Practicable, which shall be incorporated into the SWMP. The following questions represent the minimum control measure requirements for the IDEP. 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. Please indicate in your response if you are or will be working collaboratively with watershed or regional partners on any or all BMPs in the IDEP during the permit cycle (e.g., identify collaborative efforts in the procedures). The following definitions apply to the terms used below: • Illicit Discharge: Any discharge to, or seepage into, an MS4 that is not composed entirely of storm water or uncontaminated groundwater except discharges pursuant to an NPDES permit. A discharge that originates from the applicant's property and meets the illicit discharge definition is considered an illicit discharge. • Illicit Connection: A physical connection to an MS4 that primarily conveys non-storm water discharges other than uncontaminated groundwater into the MS4; or a physical connection not authorized or permitted by the local authority, where a local authority requires authorization or a permit for physical connections.

Proposing to work collaboratively on any or all BMPs in the IDEP during the permit cycle? [Yes](#)

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

Provide the procedure that describes the current and proposed BMPs to meet the minimum control measure requirements for the IDEP to the maximum extent practicable as required below.

Attachments: [Appendix E - Collaborative Illicit Discharge Elimination Program](#), [Appendix J - Surface Water Drainage Ordinance](#), [Appendix H - P2GH Spill Response SOP](#)

Comment:

### **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)

Comment: [Appendix E - Rouge River Collaborative IDEP, Section D. As-built plans for utilities and developments are maintained by the Village and can be found at Village Hall.](#)

### **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

[Appendix E - Rouge River Collaborative IDEP, Section C](#)

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.

[Appendix E - Rouge River Collaborative IDEP, Section C](#)

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.

[Appendix E - Rouge River Collaborative IDEP, Section D, IDEP #2](#)

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.

[Appendix E - Rouge River Collaborative IDEP, Section D, IDEP #3](#)

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.

[Appendix E - Rouge River Collaborative IDEP, Section D, IDEP #3](#)

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.

[Appendix E - Rouge River Collaborative IDEP, Section D, IDEP #5](#)

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."

[Appendix E - Rouge River Collaborative IDEP, Section D, IDEP #5](#)

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.)

[Appendix H - P2GH Spill Response SOP, Section C](#)

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.

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.

[Appendix E - Rouge River Collaborative IDEP, Section E](#)

### **IDEP Training and Evaluation**

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.

[Appendix E - Rouge River Collaborative IDEP, Section D, IDEP #4](#)

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.

[Appendix E - Rouge River Collaborative IDEP, Section F](#)

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

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).

[Appendix E – Rouge River Collaborative IDEP, Section D, IDEP#7 and Attachment E.](#)

[Appendix J - Surface Water Drainage Ordinance, Section 30.06.](#)

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.

[Appendix E – Rouge River Collaborative IDEP, Section D, IDEP#7 and Attachment E.](#)

[Appendix J - Surface Water Drainage Ordinance, Section 30.06.](#)

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.

[Appendix E – Rouge River Collaborative IDEP, Section D, IDEP#7 and Attachment E.](#)

[Appendix J - Surface Water Drainage Ordinance, Section 30.06.](#)

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.

[Appendix E – Rouge River Collaborative IDEP, Section D, IDEP#7 and Attachment E.](#)

[Appendix J - Surface Water Drainage Ordinance, Section 30.07.](#)

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.

[Appendix E – Rouge River Collaborative IDEP, Section D, IDEP#7 and Attachment E.](#)

[Appendix J - Surface Water Drainage Ordinance, Section 30.07.](#)

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.

[Appendix E – Rouge River Collaborative IDEP, Section D, IDEP#7 and Attachment E.](#)

[Appendix J - Surface Water Drainage Ordinance, Section 30.10.](#)

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.

[Appendix E – Rouge River Collaborative IDEP, Section D, IDEP#7 and Attachment E.](#)

[Appendix J - Surface Water Drainage Ordinance, Sections 30.11 and 30.12.](#)

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

The applicant shall describe the current and proposed BMPs to meet the minimum control measure requirements



for the construction storm water runoff control program 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 requirements of this program during the permit cycle (e.g., identify collaborative efforts in the procedures). The following questions represent the minimum control measure requirements for the construction storm water runoff control program. 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 requirements of the Construction Storm Water Runoff Control Program during the permit cycle? [No](#)

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

27. Is the applicant a Part 91 Agency? [No](#)

If yes, choose type:

No the applicant relies on the following Qualifying Local Soil Erosion and Sedimentation Control Program (Part 91 Agency) [The Oakland County Water Resources Commissioner, a County Enforcement Agency](#)

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

Provide the procedures that describe the current and proposed BMPs to meet the minimum control measure requirements for the Construction Storm Water Runoff Control Program to the maximum extent practicable as required below. It is recommended that files be separated and then converted to a PDF format before being attached below to meet the file size limit. For best results please upload one document at a time.

Attachment: [Appendix J - OCWRC SESC Implementation Program, Appendix F - Construction Site Stormwater Runoff Control SOP](#)

Comment:

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.

[Appendix F - Construction Site Stormwater Runoff Control SOP, Section C. When an issue is discovered the Village contacts OCWRC for investigation and enforcement of the SESC Permit, and requires clean up.](#)

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.

[Appendix F - Construction Site Stormwater Runoff Control SOP, Section F. If pollutants like pesticides, petroleum, or construction chemicals are discharged, the MDEQ PEAS Hotline is contacted.](#)

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.

[Appendix F - Construction Site Stormwater Runoff Control SOP, Section B.](#)

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).

[Appendix F - Construction Site Stormwater Runoff Control SOP, Section F. All permits \(through Part 91, Permit By Rule\) are required prior to the start of construction.](#)

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

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

Provide the procedures that describes the current and proposed BMPs to meet the minimum control measure requirements for the Post-Construction Storm Water Runoff Program to the maximum extent practicable as required below. It is recommended that files be separated and then converted to a PDF format before being attached below to meet the file size limit. For best results please upload one document at a time.

Attachment: [Appendix G – Post Construction, Appendix J - Zoning Ordinance, Section 22.090.010](#)

Comment: [Appendix G – Post Construction Stormwater Runoff Control, Section B.](#) It is the City's understanding that MDEQ is negotiating the development of stormwater design standards with Oakland County to meet the MS4 permit requirements. The City is in the process of reviewing the summary of the draft PCC design standards being proposed by Oakland County Water Resources Commissioner's Office. The City will begin the process of drafting an ordinance to adopt the standards. Once MDEQ has approved Oakland County's stormwater design standards, the City will review them to assess their applicability. If revisions are needed, the City will prepare separate design standards.

### **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.

[Appendix G – Post Construction Stormwater Runoff Control, Section B.](#) The Village intends to adopt the revised Oakland County Water Resources Commissioner (OCWRC) Engineering Standards for Storm Water Facilities once they are completed and approved by the MDEQ.

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.

[Appendix G – Post Construction Stormwater Runoff Control, Section B.](#) The Village intends to adopt the revised Oakland County Water Resources Commissioner (OCWRC) Engineering Standards for Storm Water Facilities once they are completed and approved by the MDEQ.

### **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

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

### **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
- 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

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

[Appendix G – Post Construction Stormwater Runoff Control, Section B. The Village intends to adopt the revised Oakland County Water Resources Commissioner \(OCWRC\) Engineering Standards for Storm Water Facilities once they are completed and approved by the MDEQ.](#)

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?

[Appendix G – Post Construction Stormwater Runoff Control, Section B. The Village intends to adopt the revised Oakland County Water Resources Commissioner \(OCWRC\) Engineering Standards for Storm Water Facilities once they are completed and approved by the MDEQ.](#)

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.

[Appendix G – Post Construction Stormwater Runoff Control, Section B. The Village intends to adopt the revised Oakland County Water Resources Commissioner \(OCWRC\) Engineering Standards for Storm Water Facilities once they are completed and approved by the MDEQ.](#)

### **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.

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

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.

[Appendix G – Post Construction Stormwater Runoff Control, Section B. The Village intends to adopt the revised Oakland County Water Resources Commissioner \(OCWRC\) Engineering Standards for Storm Water Facilities once they are completed and approved by the MDEQ.](#)

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.

[Not Applicable](#)

### **Site-Specific Requirements**

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.

[Appendix G – Post Construction Stormwater Runoff Control, Section B. The Village intends to adopt the revised Oakland County Water Resources Commissioner \(OCWRC\) Engineering Standards for Storm Water Facilities once they are completed and approved by the MDEQ.](#)

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.

[Appendix G – Post Construction Stormwater Runoff Control, Section B. The Village intends to adopt the revised Oakland County Water Resources Commissioner \(OCWRC\) Engineering Standards for Storm Water Facilities once they are completed and approved by the MDEQ.](#)

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

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.

[The Village of Beverly Hills does not currently have an ordinance or regulatory mechanism that meets the optional requirements. The Village will not be 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.

[The Village of Beverly Hills does not currently have an ordinance or regulatory mechanism that meets the optional requirements. The Village will not be pursuing this option.](#)

45. Provide the reference 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.

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.

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.

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.

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.

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.

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

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**

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.

[Appendix G – Post Construction Stormwater Runoff Control, Section B. The Village intends to adopt the revised Oakland County Water Resources Commissioner \(OCWRC\) Engineering Standards for Storm Water Facilities once they are completed and approved by the MDEQ.](#)

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.

[Appendix G – Post Construction Stormwater Runoff Control, Section B. The Village intends to adopt the revised Oakland County Water Resources Commissioner \(OCWRC\) Engineering Standards for Storm Water Facilities once they are completed and approved by the MDEQ.](#)

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.

[Appendix G – Post Construction Stormwater Runoff Control, Section B. The Village intends to adopt the revised Oakland County Water Resources Commissioner \(OCWRC\) Engineering Standards for Storm Water Facilities once they are completed and approved by the MDEQ.](#)

### **Long-term Operation and Maintenance BMPs**

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.

[Appendix J – Zoning Ordinance, Section 22.090.080. Appendix G – Post Construction Stormwater Runoff Control, Section B. The Village intends to adopt the revised Oakland County Water Resources Commissioner \(OCWRC\) Engineering Standards for Storm Water Facilities once they are completed and approved by the MDEQ.](#)

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.

[Appendix J – Zoning Ordinance, Section 22.090.080](#). [Appendix G – Post Construction Stormwater Runoff Control, Section B](#). The Village intends to adopt the revised Oakland County Water Resources Commissioner (OCWRC) Engineering Standards for Storm Water Facilities once they are completed and approved by the MDEQ.

58. Does the maintenance agreement or other legal mechanism allow the applicant to complete the following?

- Inspect the structural or vegetative BMP
- Perform the necessary maintenance or corrective actions neglected by the BMP owner or operator
- Track the transfer of operation and maintenance responsibility of the BMP (e.g., deed restrictions)

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.

[Appendix J – Zoning Ordinance, Section 22.090.080](#). [Appendix G – Post Construction Stormwater Runoff Control, Section B](#). The Village intends to adopt the revised Oakland County Water Resources Commissioner (OCWRC) Engineering Standards for Storm Water Facilities once they are completed and approved by the MDEQ.

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.

[Appendix J – Zoning Ordinance, Section 22.090.080](#). [Appendix G – Post Construction Stormwater Runoff Control, Section B](#). The Village intends to adopt the revised Oakland County Water Resources Commissioner (OCWRC) Engineering Standards for Storm Water Facilities once they are completed and approved by the MDEQ.

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

The applicant shall describe the current and proposed BMPs to meet the minimum control measure requirements for the Pollution Prevention and Good Housekeeping Program to the maximum extent practicable, which shall be incorporated into the SWMP. The applicant shall develop and implement a Pollution Prevention and Good Housekeeping Program to prevent or reduce the discharge of pollutants from municipal facilities and operations.

The following definitions apply to the terms used below:

- Fleet: A group of vehicles owned or operated as a unit.
- Maintenance (includes, but not limited to): adding/changing vehicle fluids, fueling, lubrication, painting, mechanical repairs, parts degreasing, and vehicle/equipment washing.
- Storage Yard (includes, but not limited to): areas where vehicles are stored longer than overnight/weekend; areas where road maintenance materials are stored; areas where vehicle maintenance materials are stored; areas where chemicals in bulk are stored; areas where catch basin cleaning wastes are stored; and areas where maintenance equipment such as mowers, tractors, vector trucks, and sweepers is stored.

Please complete the questions below as appropriate. A “Not Applicable” response is appropriate in cases where the applicant does not own or operate a municipal facility or storm water structural control or does not perform the operation in the question. 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.

### **Pollution Prevention and Good Housekeeping Procedures**

Provide the procedures that describe the current and proposed BMPs to meet the minimum control measure requirements for the Pollution Prevention and Good Housekeeping Program to the maximum extent practicable as required below. It is recommended that files be separated and then converted to a PDF format before being attached below to meet the file size limit. For best results please upload one document at a time.

Attachment: Attach [Appendix K – Department of Public Services SWPPP/PIPP](#), [Appendix H - P2GH General Procedures SOP](#), [Appendix H - Street Maintenance and Winter Operations SOP](#)

Comment:

### **Municipal Facility and Structural Storm Water Control Inventory**

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.

[Appendix H - P2GH General Procedures SOP, Table 1.](#)

Facilities that may have the high potential to discharge pollutants:

[Materials Storage and Public Works yards](#)

[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](#)

[Fire Stations](#)

[Police Stations](#)

[Parks](#)

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

[Catch Basins](#)

[Infiltration Basins and trenches](#)

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)

[Appendix E - Rouge River Collaborative IDEP, Section D. As-built plans for utilities and developments are maintained by the Village and can be found at Village Hall.](#)

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.

[Appendix H - P2GH General Procedures SOP, Section C.](#)

### **Facility-Specific Storm Water Management**

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.

[Appendix H - P2GH General Procedures SOP, Section B](#)

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.

[Appendix H - P2GH General Procedures SOP, Section D](#)

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

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)

[Appendix K – Department of Public Services SWPPP/PIPP, Table 1.6.](#)

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)

[Appendix K – Department of Public Services SWPPP/PIPP, Section 1.9.](#)

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)

[Appendix K – Department of Public Services SWPPP/PIPP, Section 1.9.](#)

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)

[Appendix K – Department of Public Services SWPPP/PIPP, Section 1.9.](#)

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.

[Appendix H - P2GH General Procedures SOP, Section D.](#)

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

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.

[Appendix H - P2GH General Procedures SOP, Section G](#)



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

[Appendix H - P2GH General Procedures SOP, Section F](#)

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.

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

[Appendix H - P2GH General Procedures SOP, Section G](#)

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.

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

[Appendix H - P2GH General Procedures SOP, Section H](#)

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.

[Appendix H - P2GH General Procedures SOP, Section J](#)

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.

[Appendix H - P2GH General Procedures SOP, Section K](#)

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

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.

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

[Bridge Maintenance](#)

[Right-of-way Maintenance](#)

[Unpaved Road Maintenance](#)

[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.

[Appendix H - P2GH Street Maintenance and Winter Operations SOP. Appendix K – Department of Public Services SWPPP/PIPP, Section 7.0.](#)

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.

[Appendix H - P2GH General Procedures SOP, Section I](#)

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.

[Appendix H - P2GH General Procedures SOP, Section I](#)

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.

[Appendix H - P2GH General Procedures SOP, Section I](#)

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

[Appendix H - P2GH General Procedures SOP, Section H](#)

### **Managing Vegetated Properties**

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

[Appendix H - P2GH General Procedures SOP, Section L. The Village does not use fertilizers on properties.](#)

### **Contractor Requirements and Oversight**

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.

[Appendix H - P2GH General Procedures SOP, Section N](#)

### **Employee Training**

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.

[Appendix H - P2GH General Procedures SOP, Section M. Appendix K – Department of Public Services SWPPP/PIPP, Section 1.13.](#)

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

The following questions address discharges to impaired waters with a United States Environmental Protection Agency (USEPA) approved Total Maximum Daily Load (TMDL) that includes a pollutant load allocation assigned to the applicant's MS4. BMPs shall be implemented to reduce the discharge of the TMDL pollutant from the MS4 to make progress in meeting Water Quality Standards. Applicable TMDLs are TMDLs approved prior to the

applicant being notified of the need to apply for permit reissuance. Applicable TMDLs for the applicant were provided in the application notice letter.

The applicant shall describe the current and proposed BMPs to meet the minimum requirements for the TMDL Implementation Plan, 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 TMDL Implementation Plan during the permit cycle. The following questions represent the minimum requirements for a TMDL Implementation Plan. Please complete the following questions as appropriate. 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.

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

Provide the procedures that describe the current and proposed BMPs to meet the minimum control measure requirements for the TMDL Implementation Plan to the maximum extent practicable as required below. It is recommended that files be separated and then converted to a PDF format before being attached below to meet the file size limit. For best results please upload one document at a time.

Attachment: [Appendix I - Collaborative Total Maximum Daily Load Implementation Plan](#)

Comment:

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.

[Appendix I - Collaborative TMDL Implementation Plan, Section A](#)

[Rouge River Watershed – E. coli](#)

[Rouge River Watershed – Biota](#)

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.

[Appendix I - Collaborative Total Maximum Daily Load Implementation Plan, Section C](#)

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.

[Appendix I - Collaborative Total Maximum Daily Load Implementation Plan, Section D](#)

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.

[Appendix I - Collaborative Total Maximum Daily Load Implementation Plan, Section E](#)

**APPENDIX A**  
**Outfall and Point of Discharge Information**

**Village of Beverly Hills  
Outfalls**

<b>OUTFALL</b>	<b>LONGITUDE</b>	<b>LATITUDE</b>	<b>MATERIAL</b>	<b>TYPE</b>	<b>Receiving Water</b>
1	-83.24474	42.52411	Concrete	Point of Discharge	Rouge River, Main 1-2
2	-83.24600	42.52412	Concrete	Outfall	Rouge River, Main 1-2
8	-83.24492	42.52489	CMP	Outfall	Rouge River, Main 1-2
9	-83.24467	42.52495	CMP	Outfall	Rouge River, Main 1-2
10	-83.24469	42.52494	Constructed Ditch	Outfall	Rouge River, Main 1-2
15	-83.24217	42.52764	RCP	Outfall	Rouge River, Main 1-2
17	-83.24324	42.52789	RCP	Outfall	Rouge River, Main 1-2
25	-83.24488	42.52634	Concrete	Outfall	Rouge River, Main 1-2
35	-83.26294	42.51586	CMP	Outfall	Rouge River, Main 1-2
36	-83.26315	42.51593	CMP	Outfall	Rouge River, Main 1-2
39	-83.26435	42.51617	CMP	Outfall	Rouge River, Main 1-2
40	-83.26443	42.51627	Constructed Ditch	Outfall	Rouge River, Main 1-2
42	-83.26571	42.51625	Concrete	Outfall	Rouge River, Main 1-2
43	-83.26709	42.51719	Concrete	Outfall	Rouge River, Main 1-2
44	-83.26763	42.51732	Constructed Ditch	Outfall	Rouge River, Main 1-2
46	-83.26838	42.51807	CMP	Outfall	Rouge River, Main 1-2
49	-83.26861	42.51874	CMP	Outfall	Rouge River, Main 1-2
51	-83.26825	42.51917	CMP	Outfall	Rouge River, Main 1-2
52	-83.26809	42.51947	CMP	Outfall	Rouge River, Main 1-2
55	-83.26845	42.52036	PVC	Outfall	Rouge River, Main 1-2
60	-83.26756	42.52141	Concrete	Outfall	Rouge River, Main 1-2
61	-83.26773	42.52230	Concrete	Outfall	Rouge River, Main 1-2
64	-83.26715	42.52447	Concrete	Outfall	Rouge River, Main 1-2
65	-83.26714	42.52505	Concrete	Outfall	Rouge River, Main 1-2
66	-83.26738	42.52568	Concrete	Outfall	Rouge River, Main 1-2
75	-83.26793	42.52745	Concrete	Outfall	Rouge River, Main 1-2
76	-83.26832	42.52757	Clay	Outfall	Rouge River, Main 1-2
78	-83.26752	42.52818	Concrete	Outfall	Rouge River, Main 1-2
81	-83.26742	42.52836	Concrete	Outfall	Rouge River, Main 1-2
82	-83.26716	42.52841	Concrete	Outfall	Rouge River, Main 1-2
88	-83.26660	42.52903	Concrete	Outfall	Rouge River, Main 1-2
90	-83.26659	42.53046	Constructed Ditch	Outfall	Rouge River, Main 1-2
95	-83.26885	42.52624	RCP	Outfall	Rouge River, Main 1-2
105	-83.25238	42.51842	Concrete	Outfall	Rouge River, Main 1-2
108	-83.25199	42.51967	CMP	Outfall	Rouge River, Main 1-2
110	-83.25135	42.51973	Clay	Outfall	Rouge River, Main 1-2
115	-83.25045	42.52055	Natural	Outfall	Rouge River, Main 1-2
117	-83.25131	42.52109	Natural	Outfall	Rouge River, Main 1-2
120	-83.24976	42.52200	Natural	Outfall	Rouge River, Main 1-2
124	-83.24774	42.52169	Concrete	Outfall	Rouge River, Main 1-2
129	-83.26446	42.51683	CMP	Outfall	Rouge River, Main 1-2
131	-83.26418	42.51806	Clay	Outfall	Rouge River, Main 1-2
133	-83.26804	42.50885	Concrete	Outfall	Rouge River, Main 1-2
135	-83.26238	42.51008	Constructed Ditch	Outfall	Rouge River, Main 1-2
136	-83.26215	42.51007	CMP	Outfall	Rouge River, Main 1-2
137	-83.26104	42.51117	Concrete	Outfall	Rouge River, Main 1-2
138	-83.26206	42.51195	HDPE	Outfall	Rouge River, Main 1-2
139	-83.26188	42.51218	Concrete	Outfall	Rouge River, Main 1-2
143	-83.26001	42.51354	Constructed Ditch	Outfall	Rouge River, Main 1-2
145	-83.25678	42.51552	Concrete	Outfall	Rouge River, Main 1-2
146	-83.25736	42.51637	Concrete	Outfall	Rouge River, Main 1-2

**Village of Beverly Hills  
Outfalls**

<b>OUTFALL</b>	<b>LONGITUDE</b>	<b>LATITUDE</b>	<b>MATERIAL</b>	<b>TYPE</b>	<b>Receiving Water</b>
148	-83.25366	42.51776	Concrete	Outfall	Rouge River, Main 1-2
149	-83.25290	42.51964	Natural	Outfall	Rouge River, Main 1-2
150	-83.25265	42.51951	Clay	Outfall	Rouge River, Main 1-2
151	-83.26323	45.51590	CMP	Outfall	Rouge River, Main 1-2
152	-83.26821	45.52050	CMP	Outfall	Rouge River, Main 1-2

**APPENDIX B**  
**Enforcement Response Procedure**

# STANDARD OPERATING PROCEDURE ENFORCEMENT RESPONSE

THE VILLAGE OF BEVERLY HILLS  
18500 W. THIRTEEN MILE ROAD, BEVERLY HILLS, MICHIGAN 48025



MARCH 2016



## **SECTION A – PURPOSE**

The Michigan Department of Environmental Quality (MDEQ) National Pollutant Discharge Elimination System (NPDES) Municipal Separate Storm Sewer System (MS4) Phase II Stormwater Discharge Permit Application requires a procedure for Enforcement Response to address violations of the ordinance(s) or regulatory mechanism(s) identified in the Stormwater Management Plan.

## **SECTION B – GENERAL PENALTY**

Chapter 1 General Provision of the Village of Beverly Hills Code of Ordinances defines the penalties levied by the Village for ordinance violations in Section 1.06a. The section specifically defines penalties for misdemeanors or civil infractions and continuing violations.

### **B.1 Chapter 1, Section 1.06a – Penalties**

*“Standard Penalty. Unless another penalty is specifically provided by this code for violation of any particular provision, section or chapter, any person violating any provision of this code, or any rule or regulation adopted or issued in pursuance thereof, or any provision of any code adopted herein by reference, shall be guilty of a misdemeanor, and upon conviction shall be fined not more than \$500 or imprisoned in the County jail for a period not to exceed ninety-three (93) days, or shall be both fined and imprisoned in the discretion of the court and shall pay the costs of prosecution. In addition to the penal provisions contained herein, the Village may resort to a Court of Equity or use any other legal means to enforce the terms and/or accomplish the purpose of this code.”*

### **B.2 Chapter 1, Section 1.06b – Penalties**

*“Commitment. The person upon whom any fine or penalty is imposed for violation of any provision of this code or any ordinance of the Village, upon order of the court before whom the conviction is had, may be committed to the Village or County jail as provided by law, or to any other place provided by ordinance for the incarceration of offenders until the fine, penalty, and costs are fully paid. No imprisonment, however, shall exceed ninety-three (93) days for any one offense.”*

## **SECTION C- Procedure**

Each ordinance/regulatory mechanism within this jurisdiction includes an enforcement response to violations of the ordinance.

### **C.1 PART 91 MUNICIPAL ENFORCEMENT AGENCY**

The Village of Beverly Hills is not a Municipal Enforcement Agency. The Oakland Water Resources Commissioner (OCWRC) is a County Enforcement Agency under the Part 91 of the Natural Resources and Environmental Protection Act (NREPA), 1994 PA 451, as Amended. As an enforcing agency, the OCWRC is responsible for administering the Soil Erosion and Sedimentation Control Act in Oakland County communities that do not have a local Soil Erosion Control Program.

**C.1 OCWRC SESC Control Manual, Implementation Procedures, Section I – Legal Authority**

*“The following procedures are adopted under the authority granted by Part 91 of the Natural Resources and Environmental Protection Act, Act 451 of the Public Acts of 1994, as revised, being Sections 324.9101 to 324.9123 of the Michigan Compiled Laws Annotated (“Part 91”), (Soil Erosion and Sedimentation Control), as amended, Michigan Compiled Laws Annotated 46.11m and 46.10b, and R 323.1701, et seq., of the Michigan Administrative Code, (“State Regulations”).”*

**C.2 OCWRC SESC Control Manual, Implementation Procedures, Section IX, Item B(1)(a) – Enforcement – Issuance of Notice of Determination of Violation (N of D)**

*“A N of D requires that the site meet soil erosion control requirements within five working days of receipt of the violation notice. If compliance is not achieved, the alleged violator(s) may be subject to the following:*

- i. A civil fine of not less than \$2,500 or more than \$25,000 per day for each violation.*
- ii. The issuance of a civil infraction*
- iii. The County Enforcing Agent installing the required soil erosion control measures and a lien for the cost of this work filed against the property*
- iv. A civil action where fines, penalties, cost, damages and injunctive or other relief will be sought.”*

**C.3 OCWRC SESC Control Manual, Implementation Procedures, Section IX, Item B(1)(a) – Enforcement – Violation State Civil Infraction**

- 1. “A person who violates any provision of Part 91, the regulations promulgated hereunder, including, without limitation, a Notice of Determination of Violation, permit, consent, or other agreement, shall be guilty of a State civil infraction, subject to a fine not to exceed \$2,500 for each infraction in the first 5 days. A civil infraction shall not be issued until the time has elapsed for compliance after a Notice of Determination of Violation.”*
- 2. “Except as otherwise provided by this section, the procedures for a municipal civil infraction shall be as set forth in Michigan Court Rules, Rule 4.101 et seq.”*

**C.4 OCWRC SESC Control Manual, Implementation Procedures, Section IX, Item B(1)(a) – Enforcement – Knowing Violations; Penalties**

*“Any person who knowingly violates Part 91 is subject to a civil fine of not less than \$10,000 per day for each violation.”*

**C.5 Chapter 30-Surface Water Drainage**

Illicit discharges and connections are to be corrected within 30 days of notice of violation (as practicable) as will be identified in Village's IDEP ordinance, once developed.

## **C.6 Chapter 22 Section 22.09 – Site Development Requirements**

### **SECTION D – ENFORCEMENT TRACKING**

The Village will track all violations and issued permits. The following information will be collected and used for tracking records for each violation that is imposed by the Village and the Oakland County Water Resources Commissioner.

1. Name
2. Date
3. Location of the Violation (address, cross streets, etc.)
4. Business, Agency, Organization as applicable
5. Description of the Violation
6. Applicable Correspondence
7. Follow-up Actions
8. Key Dates
9. Descriptions of the City's Enforcement Response
10. Schedules for Achieving Compliance
11. Date the Violation was Resolved

In addition to the enforcement mechanisms that will be noted in the IDEP ordinance, additional tracking of instances of noncompliance occurs and includes information identified in the Spill Notification/Complaint/Outfall Investigation Reporting Form, attachments included.

### **SECTION E – PROCESS FOR REVISION**

Any questions on this policy and procedure should be directed to the Stormwater Manager or the Village Manager. This procedure shall be reviewed once per permit cycle by the Stormwater Manager for any updates to streamline the requirements.

**APPENDIX C**

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

Click [here](#) for link to Collaborative PPP Plan

**APPENDIX D**

**Collaborative Public Education Program (PEP)**

Click [here](#) for link to Collaborative PEP Plan

**APPENDIX E**

**Collaborative Illicit Discharge Elimination Plan (IDEP)**

Click [here](#) for link to Collaborative IDEP

**APPENDIX F**  
**Construction Stormwater Runoff Control**

# STANDARD OPERATING PROCEDURE CONSTRUCTION SITE STORMWATER RUNOFF CONTROL

THE VILLAGE OF BEVERLY HILLS  
18500 W. THIRTEEN MILE ROAD, BEVERLY HILLS, MICHIGAN 48025



MARCH 2016



## **SECTION A – PURPOSE**

The Michigan Department of Environmental Quality (MDEQ) National Pollutant Discharge Elimination System (NPDES) Municipal Separate Storm Sewer System (MS4) Phase II Stormwater Discharge Permit Application requires a description of current and proposed BMPs to meet the minimum control measure requirements for the construction stormwater runoff control program to the maximum extent practicable.

The Oakland Water Resources Commissioner (OCWRC) is a County Enforcement Agency under the Part 91 of the Natural Resources and Environmental Protection Act (NREPA), 1994 PA 451, as Amended. As an enforcing agency, the OCWRC is responsible for administering the Soil Erosion and Sedimentation Control Act in Oakland County communities that do not have a local Soil Erosion Control Program.

The following standard operating procedure provides a description of the procedures the Village employs for construction site runoff control that includes notification procedures and ensuring proper permits are obtained by those disturbing greater than one acre of soil.

## **SECTION B – APPLICATION PROCEDURE**

Prior to any earth disturbance, the Village of Beverly Hills will ensure that construction activity one acre or greater in total earth disturbance with the potential to discharge to the MS4 does obtain a Part 91 Permit and/or a State of Michigan Permit by Rule or is reviewed by an approved Authorized Public Agency through the site plan review process. The requirement to obtain an SESC permit is documented in the Oakland County Water Resources Commissioners SESC Control Manual.

### **B.1 OCWRC SESC Control Manual, Implementation Procedures, Section V, Subsection D, Item 1**

*“An application for a review of proposed soil erosion and sedimentation control measures for a site shall be submitted to the Office of the Oakland County Water Resources Commissioner by the landowner undertaking the earth change on that property. An owner or developer may have an agent complete a permit application provided an original notarized letter authorizing the agent to represent the owner or developer is to be submitted with the application.”*

### **B.2 OCWRC SESC Control Manual, Implementation Procedures, Section V, Subsection A, Item 5**

*“The application shall be accompanied by one (1) complete set of the proposed soil erosion and sedimentation control plan, as set forth in Section V, subsection B.”*

### **B.3 OCWRC SESC Control Manual, Implementation Procedures, Section V, Subsection A – Permit Exemptions.**

*“A Permit Exemption Affidavit must be obtained for sites that do not require a permit.*

1. *Projects that are exempt from obtaining a permit are as follows:*
  - a. *The project is less than one (1) acre of disturbance or is over 500 feet from any open drain, lake, stream, river, pond, or wetland.*
  - b. *A project engaged in logging. The exemption does not include access roads to and from the project site or any ancillary activities associated with the logging operations.*
  - c. *A project engaged in metallic or mineral mining. The exemption does not include access roads to and from the project site and mining does not include the removal of clay, gravel, sand, peat, or topsoil or any ancillary activities associated with the mining operations.*
  - d. *A project engaged in plowing or tilling of the land for the purpose of crop production or harvesting of crops. The exemption does not include access roads to and from the project site.*
2. *Exemptions provided in this section shall not be construed as exemptions from installing and maintaining the soil erosion and sedimentation controls for the project as required by Part 91. All enforcement procedures as described in Section IX, subsection B can be and will be enforced if the activities exempted cause or result in a violation of Part 91 or produce a significant erosion hazard or sedimentation problem.*
3. *Requirements of Section V, subsection A are not applicable to existing projects on which firm bids have been taken or awarded prior to March 1, 1975. However, these requirements will be applicable if it is determined by this office that an earth change project is creating a severe soil erosion or sedimentation problem.”*

## **SECTION C – INSPECTIONS/COMPLAINTS**

As the Part 91 regulating authority, the Oakland County Water Resources Commissioner will inspect active construction sites that have obtained a Soil Erosion and Sedimentation Control Permit.

### **C.1 OCWRC SESC Control Manual, Implementation Procedures, Section IX, Subsection A, Item 1 – Schedule of Inspections.**

*“On-site inspections before, during and after any earth change activity for which a permit has been issued will be performed as required by the schedule set by the site classification or as necessary due to the extent of erosion and sedimentation activity. Sites where a Notice of Determination of Violation has been issued shall be inspected five (5) working days after said Notice was issued.”*

Complaints regarding soil erosion and sedimentation issues made by the public will be forward to the Oakland County Water Resources Commissioners office. At that time, the Village will request a site inspection to document any violations of the soil erosion and sedimentation/grading permit within 48 hours and pursue enforcement actions as appropriate. See the Enforcement Response Procedure for a summary of the enforcement protocols to ensure compliance with the OCWRC Part 91 program.

#### **SECTION D – MEASUREABLE GOALS**

To demonstrate the effectiveness of the Village’s Part 91 program, the following metrics will be tracked for reporting purposes:

- Number of Part 91 related complaints received.
- Number of Part 91 permits issued.
- Number of enforcement actions taken to achieve compliance with the Part 91 program.

These metrics will be tracked over the reporting cycle that is specified in the Village’s Certificate of Coverage for the MS4 Permit.

#### **SECTION E – REPORTABLE DISCHARGES**

The Village will not report instances of *de minimis* soil discharges to MDEQ. For instances where the discharge of sediment cannot be immediately contained on site, or if there are other pollutants that include pesticides, petroleum derivatives, construction chemicals, and solid waste associated with the discharge in quantities that are consistent with the spill response plan as defined in Appendix H of the Storm Water Management Plan (SWMP), the Village/OCWRC will notify the MDEQ through the Pollution Emergency Alert System (PEAS) at 1-800-292-4706.

#### **SECTION F –STATE OF MICHIGAN PERMIT BY RULE**

The Village shall advise the landowner or recorded easement holder of the State of Michigan Permit by Rule (Rule 323.2190) for storm water discharge from construction activity if the area of the disturbance is greater than 5 acres. These criteria will be identified during the site plan review process and will be included in correspondence with the landowner as appropriate.

#### **SECTION G – PROCESS FOR REVISION**

Any questions on this policy and procedure should be directed to the Stormwater Manager or the Village Manager. This procedure shall be reviewed once per permit cycle by the Stormwater Manager for any updates to streamline the requirements.

**APPENDIX G**  
**Post-Construction Stormwater Runoff Program**

# STANDARD OPERATING PROCEDURE POST CONSTRUCTION STORMWATER RUNOFF CONTROL

THE VILLAGE OF BEVERLY HILLS  
18500 W. THIRTEEN MILE ROAD, BEVERLY HILLS, MICHIGAN 48025



MARCH 2016

## **SECTION A – PURPOSE**

The Michigan Department of Environmental Quality (MDEQ) National Pollutant Discharge Elimination System (NPDES) Municipal Separate Storm Sewer System (MS4) Phase II Stormwater Discharge Permit Application requires a description of current and proposed BMPs to meet the minimum control measure requirements for the post-construction stormwater runoff control program to the maximum extent practicable. Post-construction stormwater runoff controls are necessary to maintain or restore stable hydrology in receiving waters by limiting surface runoff rates and volumes and reducing pollutant loadings from site that undergo development or significant redevelopment.

## **SECTION B – ADOPTION OF COUNTY STANDARDS**

The Village of Beverly Hills currently follows its current ordinances for stormwater management. The Village intends to adopt the Oakland County Water Resources Commissioner (OCWRC) Engineering Standards for Storm Water Facilities (storm water management and water quality) once they have been revised and approved by MDEQ. The OCWRC standards would take effect at the time the MS4 Permit goes into effect.

## **SECTION C – MEASURABLE GOALS**

To demonstrate the effectiveness of the post construction stormwater runoff control program, the following metrics will be tracked for reporting purposes:

- Number of stormwater site plan reviews requested and completed
- Number of maintenance violations of constructed BMPs
- Number of instances where the Village had to undertake corrective measures

These metrics will be tracked over the reporting cycle that is specified in the Village's Certificate of Coverage.

## **SECTION D – PROCESS FOR REVISION**

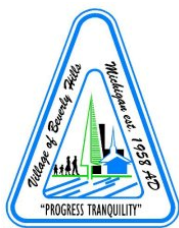
This procedure shall be reviewed every two years by the Stormwater Manager for any updates to streamline the requirements.

**APPENDIX H**  
**Pollution Prevention and Good Housekeeping**

# STANDARD OPERATING PROCEDURE POLLUTION PREVENTION AND GOOD HOUSEKEEPING

## GENERAL PROCEDURES

THE VILLAGE OF BEVERLY HILLS  
18500 W. THIRTEEN MILE ROAD, BEVERLY HILLS, MICHIGAN 48025



REVISED AUGUST 2018



## SECTION A – PURPOSE

The Michigan Department of Environmental Quality (MDEQ) National Pollutant Discharge Elimination System (NPDES) Municipal Separate Storm Sewer System (MS4) Phase II Stormwater Discharge Permit Application requires a description of current and proposed BMPs to meet the minimum control measure requirements for the Pollution Prevention and Good Housekeeping Program to the maximum extent practicable to prevent or reduce the discharge of pollutants from municipal facilities and operations.

## SECTION B – FACILITY ASSESSMENT AND PRIORITIZATION

Village owned and operated facilities have been assessed for their potential to discharge pollutants to the waters of the state. Each facility was evaluated based on the following criteria:

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

Based on these criteria, the potential for each facility to discharge pollutants to the waters of the state were rated high, medium, or low. For “low” priority facilities where no assessment factors are present, catch basin cleaning and street sweeping will be performed as indicated in the applicable procedures for these activities. For “medium” priority facilities, appropriate BMPs are considered based on the assessment factors present to prevent or minimize the potential for pollutants from entering surface waters of the state. The “High” priority facility has specific procedures that are included in Appendix K of the Storm Water Management Plan (SWMP).

## SECTION C– UPDATES AND PRIORITY REVISION

This inventory shall be updated within 120 days as facilities and structural stormwater controls are added, removed, or no longer owned or operated by the applicant. Priority level assessments shall be revised within 120 days prior to discharging stormwater at a new facility, or when the storage of materials, equipment, or vehicles changes at a facility.

## SECTION D – MUNICIPAL INVENTORY AND ASSESSMENT

The following table identifies the Village’s owned or operated facilities with a discharge of stormwater to surface waters of the state. **Table 1** includes a list of properties owned or operated by the Village that has stormwater controls on site and provides the estimated number of stormwater structural controls (i.e. catch basins, detention basins, etc.) at each site, along with the priority level of potential discharge of pollutants to waters of the state. **Table 2** provides a listing of other properties that are owned and operated by the Village but do not have any

stormwater controls. In general, sites listed on Table 2 are vacant, residential parcels, or conservation easements.

**Table 1**

Facility Name	Structural Controls	Priority Level	Assessment Factors	BMP's Implemented
DPS Facility	Catch Basins (2) Dumpster (2) Vehicle Wash Area (1)	High	1, 3	See SWPPP/PIPP
Village Hall	Catch Basins (1)	Med	1	Catch basin cleaning Street Sweeping
Public Safety Facility	Catch Basins (2)	Low	1	Catch basin cleaning Street sweeping
Beverly Park	Catch Basins (2) Bioretention Basin (1)	Low	1	Catch basin cleaning Street Sweeping
Riverside Park	Catch Basins (1)	Low	1	Catch basin cleaning Street sweeping
Structural Storm Water Controls		Structural Controls		
Village Catch Basins		887		
Village Outfalls/Points of Discharge		56		
Bioretention		1		

In addition, to the properties in Table 1, the Village of Beverly Hills also owns properties with no structural stormwater controls.

**Table 2**

Facility Name	Structural Controls	Priority Level	Assessment Factors	BMP's Implemented
Douglas Evans Nature Preserve	None	Low	0	None
Hidden Rivers Nature Preserve	None	Low	0	None

**SECTION E –SITE SPECIFIC SOP FOR HIGH PRIORITY SITES**

The MDEQ NPDES Phase II Stormwater Discharge Permit Application requires a standard operating procedure (SOP) for identifying the structural and non-structural stormwater controls implemented and maintained to prevent or reduce pollutant runoff at each facility with the high potential for pollutant runoff.

### **E.1 Inventory and Description of Materials and Activities**

The Village of Beverly Hills Department of Public Services (DPS) operations are conducted at their 18500 W. Thirteen Mile Road facility. This site is considered a high priority site due the following operations:

#### **DPS Facility – 18500 W. Thirteen Mile Road**

- Maintenance and cleaning of vehicles and equipment
- Salt Storage
- Stockpiled materials

### **E.2 Vehicle Washing and Maintenance**

Minor vehicle maintenance activities are conducted by DPS staff for the City’s DPS vehicle fleet. Maintenance activities conducted by DPW staff include, but are not limited to, oil changes and other vehicle fluids. These activities are carried out indoors and floor drains are connected to the sanitary sewer system. More complicated maintenance and repairs are conducted by a private maintenance facility. A maintenance log is maintained to document all vehicle maintenance and repair activities.

Vehicle washing activities are conducted at either a commercial car wash or indoors at the DPS facility where the floor drains discharge to the sanitary sewer system.

A site specific standard operating procedure has been developed for this facility and is included. Please see the Storm Water Pollution Prevention Plan / Pollution Incident Prevention Plan (SWPPP/PIPP) for the Department of Public Services.

## **SECTION F –CATCH BASIN MAINTENANCE PRIORITY**

Catch basins that are inspected and maintained by the Village have been prioritized for routine inspection, maintenance, and cleaning. The criteria for the priority levels that include low, medium, and high are defined as follows:

**Low Priority** – Catch basins that are of low priority have very little sediment accumulation and do not require routine maintenance. Low priority catch basins are inspected on an as needed basis based on complaints or by DPS staff during normal work activities.

**Medium Priority** – Catch basins that are of medium priority have a higher rate of sediment accumulation and will require maintenance more frequently than low priority catch basins.

**High Priority** – Catch basins that are of high priority have a high rate of sediment accumulation and will require regular routine maintenance and inspection. These catch basins are typically located in areas where sediment is easily mobilized and transported by runoff.

The Villages' DPW/City Hall parking lot is a medium priority, swept twice a year. Remaining Village's catch basins have very little sediment accumulation rates, require little maintenance and are of low priority. There are currently no catch basins that have been assigned a high priority rating due to the rare occurrence of plugging, structure damage, and resident complaints. Village cleans catch basins when the sediment in the sump is no more than 50 % full. Catch basins that prompt resident complaints or are subject to isolated instances where structures are plugged or damaged will be maintained and inspected by DPS as needed. At that time, it will be determined if the catch basin will require maintenance on a more frequent interval and warrants a reclassification to a medium priority rating. In the event the priority rating of a catch basin is changed, or new catch basins are constructed, this procedure will be updated and revised to reflect the change in priority within 120 days.

## **SECTION G – STREET SWEEPING, CATCH BASIN INSPECTION, MAINTENANCE, AND CLEANING**

Catch basins are visually inspected during normal work activities or if a complaint is registered by a resident. A visual inspection of the structure will identify any structural defects which may include collapse, cracking, frame damage, pipe collapse, blockage, etc. and will be documented. Catch basin structures in need of structural repairs are identified during the inspection and regular maintenance process based on the results of visual assessments conducted by the Village. Structure repairs are prioritized based on public safety concerns. Village owned catch basins are inspected concurrently with cleaning activities between April and November. Village cleans catch basins when the sediment in the sump is no more than 50 % full. The Village contracts with the Oakland County Water Resources Commissioner (OCWRC) to clean catch basins. A vac truck is utilized to remove all solids and liquids from the structure to the extent possible. At no time is collected sediment and water allowed to be discharged back into the storm sewer system during the cleaning process. Catch basins that are located on private property are not inspected, cleaned, or maintained by the Village.

## **SECTION H – DISPOSAL OF COLLECTED MATERIAL**

Collected material from catch basin maintenance is disposed of by OCWRC and wastes from street sweeping activities are disposed of properly at a landfill.

## **SECTION I – STREET SWEEPING PRIORITIZATION**

Village owned and maintained streets have been prioritized for street sweeping. The criteria for the priority levels that include low, medium, and high are defined as follows:

**Low Priority** – Residential streets within the Village are of low priority due to their minimal sediment accumulation rates. They are generally swept at least once per year.

**Medium Priority** – Major roads throughout the Village are of medium priority due to the higher rate of sediment accumulation rates in comparison to low priority residential streets. Medium priority areas are generally swept twice per year.

**High Priority** – Areas that are of high priority have a high rate of sediment accumulation and will require regular, frequent sweeping. These areas are typically located in areas where sediment is easily mobilized and transported by runoff. Additionally, areas that prompt resident complaint or are subject to excessive road sediments are also considered a high priority area. There are currently no areas that have been assigned a high priority rating due to excessive road sediments and resident complaints. However, if DPS receives a complaint, a determination of the area will be made by DPS staff to increase sweeping on a more frequent interval as well as a reclassify the area to high priority rating.

In the event a priority rating is changed, or new Village owned streets are constructed, this procedure will be updated and revised to reflect the change in priority within 30 days.

Street sweeping activities are conducted by a private contractor hired by the Village. The contractor may use both mechanical and regenerative air equipment. Collected sediment from street sweeping activities is disposed of as described in Section H. Major Roads with the Village considered Medium Priority over the rest of the Village side streets which are Low Priority. Street sweeping program activities are not implemented under the following conditions:

- Street sweeping is not conducted on County or State roads
- Sweeping activities are not conducted during wet and inclement weather
- Street sweeping activities is not conducted on private streets or uncurbed streets

## **SECTION J – OTHER STRUCTURAL STORMWATER CONTROLS**

In addition to implementing the catch basin maintenance and street sweeping programs, the City also performs inspections of other storm water structural controls that are located throughout the Village.

### **J.1 Bioretention Basin at Beverly Park**

The routine procedure for the bioretention basin at Beverly Park is the annual inspection of the basin for sediment accumulation, the inlet and outlet structure for blockages. In most cases, maintenance activities involve the removal of trash/debris in the basin.

The Village does not have any other structural controls that are owned or maintained by the Village. In the event additional structural stormwater controls are constructed, this procedure will be updated and revised to include the new controls within 30 days.

## **SECTION K – NEW APPLICANT OWNED FACILITIES**

In the event the Village acquires or constructs new structural stormwater controls, the design of these structures will comply with the stormwater standards that have been established by Oakland County. Site plans will be reviewed by the Village, or its consultants, to ensure the appropriate standards are met.

## **SECTION L – CERTIFIED PESTICIDE APPLICATOR**

The DPS department has does not have a certified pesticide applicator on staff and does not apply or store pesticides, herbicides, or fertilizers on Village properties.

### SECTION M – EMPLOYEE TRAINING

Employee training programs will be implemented to inform appropriate personnel at all levels of responsibility of safety, environmental impacts, and good housekeeping practices. The Village participates in training opportunities that are made available by SEMCOG, Oakland County, the Alliance of Rouge Communities, and others as deemed appropriate. Employee training components for the Village of Beverly Hills DPS Department staff includes:

Employees Trained	Training Description and Frequency
New Beverly Hills DPS Employees	Upon hire, employees will: <ul style="list-style-type: none"> <li>• View the Municipal Storm Water Pollution Prevention Storm Water training video.</li> <li>• Read and become familiar with the Village of Beverly Hills SOPs</li> <li>• Participate in a job shadow program where new staff is paired with a DPS foreman or grounds crewman.</li> </ul>
All Beverly Hills Facilities Employees	<ul style="list-style-type: none"> <li>• View the Municipal Storm Water Pollution Prevention Storm Water training video.</li> <li>• Review proper materials storage and handling.</li> <li>• Review good housekeeping and pollution prevention practices.</li> <li>• Review samples of illicit discharges to the storm sewer system</li> <li>• Review Village of Beverly Hills Response Procedures.</li> </ul>
Key Staff	<ul style="list-style-type: none"> <li>• Attendance at key staff to relevant training workshops by the Alliance of Rouge Communities, SEMCOG, or others, when available.</li> </ul>

### SECTION N – CONTRACT REQUIREMENTS AND OVERSIGHT

The contractors hired by the Village to perform municipal operations that potentially impact stormwater are required to follow appropriate pollution prevention BMPs indicated in the Village’s contract language. In cases where an outside contractor is hired to perform services that could impact stormwater, the contracting company will be required to follow appropriate pollution prevention BMPs. All work performed by outside contractors are monitored by Village staff through daily observation to ensure quality of work, adherence to the specified contract language, and to ensure that potential impacts to stormwater are minimized.

*Measurable Goals* – To demonstrate the effectiveness of this procedure, the following metrics will be tracked for reporting purposes.

- Number of stormwater pollution related incidents pertaining to activities or work performed by the contractor.
- Number of incidents where the Village required corrective action by the contractor

These metrics will be tracked over the reporting cycle that is specified in the Village's Certificate of Coverage.

## **SECTION O – COMPLAINT PROCEDURE**

Complaints received by the public are logged by the Village and then routed to the appropriate department for follow up. Investigation into complaints routed to the DPS department is conducted within 48 hours after the complaint has been received by the Village. At that time, the DPS will make a determination to correct any problems or contact the responsible parties for appropriate action.

*Measurable Goals* – To demonstrate the effectiveness of this procedure, the following metrics will be tracked for reporting purposes.

- Number of complaints routed to the DPS department for follow up.
- Number of incidents that prompted additional corrective actions by the DPS or other responsible party

These metrics will be tracked over the reporting cycle that is specified in the Village's Certificate of Coverage.

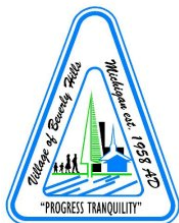
## **SECTION P – PROCESS FOR REVISION**

This procedure shall be reviewed once per permit cycle by the Stormwater Manager for any updates to streamline the requirements.

# STANDARD OPERATING PROCEDURE POLLUTION PREVENTION AND GOOD HOUSEKEEPING

## SPILL RESPONSE

THE VILLAGE OF BEVERLY HILLS  
18500 W. THIRTEEN MILE ROAD, BEVERLY HILLS, MICHIGAN 48025



REVISED AUGUST 2018



## SECTION A – PERSONNEL

The following Village personnel have been identified as key staff on charge of spill response planning, implementation and maintenance of the Spill Response Plan.

Name	Phone
Beverly Hills Public Safety Dispatch	(248) 540-3400
Thomas Meszler – Public Services Director	(248) 646-6404
Chris Wilson – Village Manager	(248) 646-6404
Ellen Marshall – Village Clerk	(248) 646-6404

### A.1 Responsibilities

- The **Facility Responsible Person** has primary responsibility for coordinating the response to emergencies, including chemical spills
- **Supervisors** should ensure that employees are familiar with these procedures and receive the necessary training
- **All employees** should follow these procedures in the event of a chemical spill

### A.2 Emergency Contact Numbers

The following telephone numbers should be posted near telephones and in other conspicuous locations:

Name	Affiliation	Phone
Beverly Hills Public Safety Dispatch	Public Safety Department	(248) 540-2863
Thomas Meszler – Public Services Director	Public Services Department	(248) 646-6404
Chris Wilson – Village Manager	Village Manager	(248) 646-6404
Ellen Marshall – Village Clerk	Village Clerk	(248) 646-6404
MDEQ 24-Hour Pollution Emergency Alerting System (PEAS)		1-800-292-4706
MDEQ Southeast Michigan District Office		(586) 753-3700
City of Detroit Wastewater Treatment Plant		(313) 297-9400
National Response Center		1-800-424-8802

## SECTION B – CLEAN-UP PROCEDURES

Spilled chemical should be effectively and quickly contained and cleaned up. Employees should clean up spills themselves **only if properly trained and protected**. Employees who are not trained in spill cleanup procedures should report the spill to the Responsible Person(s) listed above, warn other employees, and leave the area.

The following general guidelines should be followed for evacuation, spill control, notification of proper authorities, and general emergency procedures in the event of a chemical incident in which there is potential for a significant release of hazardous materials.

### B.1 Evacuation

Persons in the immediate vicinity of a spill should *immediately evacuate* the premises (except for employees with training in spill response in circumstances described below). If the spill is of “medium” or “large” size, or if the spill seems hazardous, immediately notify emergency response personnel.

### B.2 Spill Control Techniques

Once a spill has occurred, the employee needs to decide whether the spill is small enough to handle without outside assistance. Only employees with training in spill response should attempt to contain or clean up a spill.

NOTE: If you are cleaning up a spill yourself, make sure you are aware of the hazards associated with the materials spilled, have adequate ventilation, and proper personal protective equipment. Treat all residual chemical and cleanup materials as hazardous waste.

Spill control equipment should be located wherever significant quantities of hazardous materials are received or stored. Material Safety Data Sheets (MSDSs), absorbents, over-pack containers, container patch kits, spill dams, shovels, floor dry, acid/base neutralizers, and “caution-keep out” signs are common spill response items.

### B.3 Spill Response and Clean-up

Chemical spills are divided into three categories: Small, Medium and Large. Response and cleanup procedures vary depending on the size of the spill.

**Small Spills:** Any spill where the major dimension is less than 18 inches in diameter. Small spills are generally handled by internal personnel and usually do not require an emergency response by police or fire department HAZMAT teams.

- Quickly control the spill by stopping or securing the spill source. This could be as simple as up righting a container and using floor-dry or absorbent pads to soak up spilled material. Wear gloves and protective clothing, if necessary.

- Put spill material and absorbents in secure containers if any are available.
- Consult with the Facility Responsible Person and the MSDS for spill and waste disposal procedures.
- Use Dry Cleanup Methods and **never** wash spills down the drain, onto a storm drain or onto the driveway or parking lot.
- Both the spilled material and the absorbent may be considered hazardous waste and must be disposed of in compliance with state and federal environmental regulations.

**Medium Spills:** Spills where the major dimension exceeds 18 inches, but is less than 6 feet. Outside emergency response personnel (police and fire department HAZMAT teams) may be called for medium spills. Common sense, however, will dictate when it is necessary to call them.

- Immediately try to help contain the spill at its source by simple measures only. This means quickly up righting a container, or putting a lid on a container, if possible. Do not use absorbents unless they are immediately available. Once you have made a quick attempt to contain the spill, or once you have quickly determined you cannot take any brief containment measures, leave the area and alert Emergency Responders at 911. Closing doors behind you while leaving helps contain fumes from spills. Give police accurate information as to the location, chemical, and estimated amount of the spill.
- Evaluate the area outside the spill. Engines and electrical equipment near the spill area must be turned off. This eliminates various sources of ignition in the area. Advise Emergency Responders on how to turn off engines or electrical sources. Do not go back into the spill area once you have left. Help emergency responders by trying to determine how to shut off heating, air conditioning equipment, or air circulating equipment, if necessary.
- If emergency responders evacuate the spill area, follow their instructions in leaving the area.
- After emergency responders have contained the spill, be prepared to assist them with any other information that may be necessary, such as MSDSs and questions about the facility. Emergency responders or trained personnel with proper personal protective equipment will then clean up the spill residue. Do not re-enter the area until the responder in charge gives the all clear. Be prepared to assist these persons from outside the spill area with MSDSs, absorbents, and containers.

- Reports must be filed with proper authorities. It is the responsibility of the spiller to inform both his/her supervisor and the emergency responders as to what caused the spill. The response for large spills is similar to the procedures for medium spills, except that the exposure danger is greater.

**Large Spills:** Any spill involving flammable liquid where the major dimension exceeds 6 feet in diameter; and any “running” spill, where the source of the spill has not been contained or flow has not been stopped.

- Leave the area and notify Emergency Responders (911). Give the operator the spill location, chemical spilled, and approximate amount.
- From a safe area, attempt to get MSDS information for the spilled chemical for the emergency responders to use. Also, be prepared to advise responders as to any ignition sources, engines, electrical power, or air conditioning/ventilation systems that may need to be shut off. Advise responders of any absorbents, containers, or spill control equipment that may be available. This may need to be done from a remote area, because an evacuation that would place the spiller far from the scene may be needed. Use radio or phone to assist from a distance, if necessary.
- Only emergency response personnel, in accordance with their own established procedures, should handle spills greater than 6 feet in any dimension or that are continuous. Remember, once the emergency responders or HAZMAT team is on the job cleaning up spills or putting out fires, the area is under their control and no one may re-enter the area until the responder in charge gives the all clear.
- Provide information for reports to supervisors and responders, just as in medium spills.

## **SECTION C – REPORTING SPILLS**

All chemical spills, regardless of size, should be reported as soon as possible to the Facility Responsible Person. The Responsible Person will determine whether the spill has the potential to affect the environment outside of the facility and must be reported to local, state, or federal agencies. Examples of spills that could affect the outside environment include spills that are accompanied by fire or explosion and spills that could reach nearby water bodies.

### **C.1 Reporting Thresholds**

The spill coordinator will report spills to MDEQ PEAS for spilled that involve the following:

- Salt spills over 50 pounds or 50 gallons of brine onto the ground or into water (required by Part 5 rules)

- Gasoline release of 32 gallons or more onto the ground (required by Part 201)
- Oil release of 50 pounds (approximately 7½ gallons) onto the ground (required by Part 5 rules)
- Any amount of oil or fuel that reaches surface water or shorelines, call MDEQ PEAS and the National Response Center (as required by the Clean Water Act and Part 31)
- Any spill that is in doubt about reporting

## **C.2 Reporting Requirements**

Within ten (10) days of release, submit a written report for the reportable releases to the following:

- MDEQ Water Resources Division Field Operations Chief, PO Box 30273, Lansing, Michigan 48909-7773
- Oakland County Health Division, 1200 N. Telegraph Road, Pontiac, Michigan 48341

Note: the optional report form EPQ 3465 can be found at:

[http://www.michigan.gov/deg/0,4561,7-135-3307\\_29894\\_5959-20341--,00.html](http://www.michigan.gov/deg/0,4561,7-135-3307_29894_5959-20341--,00.html)

The MDEQ may request other follow-up reports depending on the situation.

## **SECTION D – SPILL KIT INVENTORY**

The following is a list of spill response equipment that will be maintained by the designated spill response coordinators at all locations where fuel products are stored and dispensed.

### **D.1 Minimum Spill Response Equipment**

- 20 pounds of floor dry
- 1 shovel
- 1 broom
- Caution tape
- 2 Absorbent booms
- 20 Absorbant Pads
- Container for clean-up (30 gallons)
- Sample bottles

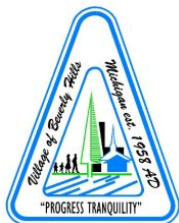
## **SECTION E – PROCESS FOR REVISION**

This procedure shall be reviewed once per permit cycle by the Stormwater Manager for any updates to streamline the requirements.

# STANDARD OPERATING PROCEDURE POLLUTION PREVENTION AND GOOD HOUSEKEEPING

## STREET MAINTENANCE AND WINTER OPERATIONS

THE VILLAGE OF BEVERLY HILLS  
18500 W. THIRTEEN MILE ROAD, BEVERLY HILLS, MICHIGAN 48025



REVISED AUGUST 2018

## **SECTION A – PURPOSE**

The Michigan Department of Environmental Quality (MDEQ) National Pollutant Discharge Elimination System (NPDES) Municipal Separate Storm Sewer System (MS4) Phase II Stormwater Discharge Permit Application requires a description of operation and maintenance activities to meet the minimum control measure requirements for the Pollution Prevention and Good Housekeeping Program to the maximum extent practicable to prevent or reduce the discharge of pollutants from municipal facilities and operations.

## **SECTION B – INVENTORY AND DESCRIPTION OF MATERIALS AND ACTIVITIES**

The Village salt shed and materials stockpiles are located at the Department of Public Services Facility. The Pollution Prevention and Good Housekeeping activities that occur at this facility are located in the DPS Storm Water Pollution Prevention Plan and Pollution Incident Prevention Plan (SWPPP/PIPP). Municipal activities that occur at the facility include the following:

- Salt storage
- Stockpiled materials

## **SECTION C – WINTER OPERATIONS**

The Village DPS field staff applies rock salt and brine as part of their deicing procedures during the winter months. Bulk storage of road salt and brine is located at the Department of Public Services Facility.

### **C.1 Salt Storage and Loading**

The Village of Beverly Hills has a salt storage in a three-sided shed. The floor of the structure is paved. The structure is not located within 50 feet of a lake shore, stream bank, or wetland, nor is it located in a 100-year floodplain.

Loading of salt takes place at the structure entrance on a paved surface. This procedure is followed as there is not enough room to have both a loader and a truck inside the structure at the same time. The loading area is maintained after each use, with excess salt being swept back inside the storage facility.

Salt storage and application training is performed to DPS staff. Staff has been trained to minimize any track-out from loading operations. Salt application vehicles are calibrated before the winter season. Brine is obtained from the Road Commission for Oakland County, and the trucks are filled at their facility. Brine is not stored at the Village of Beverly Hills DPS.

## **SECTION D – ROAD, PARKING LOT AND RIGHT-OF-WAY MAINTENANCE**

Road and parking lot maintenance activities includes pothole repair, curb and gutter repair, and gravel road maintenance. These services are addressed by DPS field staff as determined in the field on an as needed basis. Materials are purchased in quantities as needed to reduce waste. Left over materials are stored in designated stockpile areas at the Department of Public Services Facility. In cases where a contractor is retained to perform these activities, a Village representative is on site to oversee the work and ensure that left over material, concrete

washout, and other associated pollutants are disposed of properly. Disposing of concrete washout and other excess repair materials into the storm sewer is strictly prohibited by the City.

#### **D.1 Stockpiled Materials**

The stockpile area is located at the Department of Public Services facility. Materials are stockpiled at this location and include topsoil, cold patch, gravel, and other earthen materials as needed.

#### **D.2 Unpaved Road Maintenance**

Exposed soil areas are stabilized to prevent soil from eroding during rain events. This is particularly important on steep slopes. Dust suppressants are applied by a contractor to minimize airborne transfer of fine aggregates into the air. Quality aggregates are used to minimize transfer of fine aggregates onto paved surfaces.

#### **D.3 Right-of-Way Maintenance**

Grass shoulders are mowed and maintained by the Village DPS.

#### **D.4 Bridge Maintenance**

Bridge and culvert crossings are inspected by an Engineering Consultant.

### **SECTION E – PROCESS FOR REVISION**

This procedure shall be reviewed once per permit cycle by the Stormwater Manager for any updates to streamline the requirements.



**APPENDIX I**  
**Total Maximum Daily Loads (TMDL)**  
Click [here](#) for link to Collaborative TMDL