## **FACILITY NAME:**

## STORM WATER POLLUTION PREVENTION PLAN (SWPPP)

Department of Environmental Quality (DEQ)
Water Resources Division (WRD)
Storm Water Pollution Prevention Plan (SWPPP) Template
Template Revision Date: 3/12/2015

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#### 1.0 GENERAL FACILITY INFORMATION

#### Facility Information:

- Name of Facility:
- Facility Address:
- County:
- Standard Industrial Classification (SIC) Code:
- Owner or Authorized Representative:

#### **Facility Contact Information:**

- Name:
- Title:
- Telephone:
- Email Address:
- Mailing Address:

#### Facility Contact information to be aware of:

The "Facility Contact" was specified in the application. The permittee may replace the facility contact at any time, and shall notify the Department in writing within 10 days after replacement (including the name, address, email address, if available, and telephone number of the new facility contact).

- a) The facility contact shall be (or a duly authorized representative of this person):
  - for a corporation, a principal executive officer of at least the level of vice president, or a designated representative, if the representative is responsible for the overall operation of the facility from which the discharge described in the permit application or other NPDES form originates,
  - for a partnership, a general partner,
  - for a sole proprietorship, the proprietor, or
  - for a municipal, state, or other public facility, either a principal executive officer, the mayor, village president, city or village manager, or other duly authorized employee.
- b) A person is a duly authorized representative only if:
  - the authorization is made in writing to the Department by a person described in paragraph a. of this section; and
  - the authorization specifies either an individual or a position having responsibility for the overall operation of the regulated facility or activity such as the position of plant manager, operator of a well or a well field, superintendent, position of equivalent responsibility, or an individual or position having overall responsibility for environmental matters for the facility (a duly authorized representative may thus be either a named individual or any individual occupying a named position).

#### **Certified Storm Water Operator Information:**

- Name:
- Certification Number & Expiration Date:
- Telephone:
- Email Address:
- Is the Certified Operator an employee at the facility: 

   Yes 

   No
  - o If the answer to the above question is "No" then include the Certified Operator's business name and mailing address:

#### Permit Information:

- General Permit Number:
- Certificate of Coverage (COC) or Individual Permit Number:
- COC or Individual Permit Effective Date of Coverage:
- Receiving Waters:
- Required Monitoring: ☐ Yes ☐ No
- Identify the Total Daily Maximum Load (TMDL) listed on COC:

#### **Brief Industrial Activity Description:**

If this facility is a seasonal facility describe the seasonal operation and what months the facility will be operating:

#### 2.0 STORM WATER POLLUTION PREVENTION TEAM

The storm water pollution prevention team is responsible for developing, implementing, maintaining, and revising this SWPPP. The members of the team and their primary responsibilities (i.e. implementing, maintaining, record keeping, submitting reports, conducting inspections, employee training, conducting the annual compliance evaluation, testing for non-storm water discharges, signing the required certifications) are as follows:

Name & Title	Responsibility
Space to list additional members and their response	onsibility if necessary:

#### 3.0 SITE MAP

Preparing a site map or sketch is the first step in assessing the facility. See the DEQ Industrial Storm Water Certified Operator Training Manual for additional information.

The facility's site map includes all applicable items listed in the permit, which include:

- 1) Buildings and other permanent structures
- 2) Storage or disposal areas for significant materials
- 3) Secondary containment structures and descriptions of what they contain in the primary containment structures
- 4) Storm water discharge points (which include outfalls and points of discharge), numbered or otherwise labeled for reference
- 5) Location of storm water and non-storm water inlets (numbered or otherwise labeled for reference) contributing to each discharge point
- 6) Location of NPDES permitted discharges other than storm water
- 7) Outlines of the drainage areas contributing to each discharge point
- 8) Structural runoff controls or storm water treatment facilities
- 9) Areas of vegetation (with brief description such as lawn, old field, marsh, wooded, etc.)
- 10) Areas of exposed and/or erodible soils and gravel lots
- 11) Impervious surfaces (roofs, asphalt, concrete, etc.)
- 12) Name and location of receiving waters
- 13) Areas of known or suspected impacts on surface waters as designated under Par 201 (Environmental Response) of the NREPA.

#### SEE FIGURE 1 FOR FACILITY SITE MAP

### 4.0 SIGNIFICANT MATERIALS

Definition: Significant materials are any material which could degrade or impair water quality, including but not limited to:

- ✓ Raw Materials
- ✓ Fuels
- ✓ Solvents
- ✓ Detergents
- ✓ Plastic pellets
- ✓ Finished materials (i.e. metallic products)

- ✓ Hazardous Substances designated under section 101(14) of Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), see 40 CFR 372.65
- ✓ Any chemical the facility is required to report pursuant to section 313 of the Emergency Planning and Community Right-to-Know Act (EPCRA)
- ✓ Polluting Materials Oil and any material, in solid or liquid form, identified as polluting material under the Part 5 Rules (Rules 324.2001 through 324.2009 of the Michigan Administrative Code)
- ✓ Hazardous Wastes as defined in Part 111 of the Michigan Act
- ✓ Fertilizers
- ✓ Pesticides
- ✓ Waste Products (i.e. ashes, slag, sludge, plant waste, animal waste)

During the significant materials identification phase, all sources of potential storm water contamination need to be identified. Both the inside and outside of the facility must be inventoried to determine the materials and practices that may be sources of contamination to storm water runoff. Note the identification phase must address residual contaminants which may be found on items stored outside.

#### 4.1 Inventory of Exposed Significant Materials

The permit requires a general inventory of significant materials that could enter storm water. For each material listed the SWPPP shall include the ways in which each type of material has been or has reasonable potential to become exposed to storm water (e.g. spillage during handling; leaks from pipes, pumps, or vessels; contact with storage piles, contaminated materials or soils; waste handling and disposal; deposits from dust or overspray; etc.). In addition, the SWPPP must identify the inlet(s) spilled significant materials may enter and the discharge point(s) through which the spilled significant material may be discharged.

#### SEE TABLE 1 FOR SIGNIFICANT MATERIAL INVENTORY

#### 4.2 Description of Industrial Activities & Significant Material Storage Areas

The permit requires industrial facilities to evaluate the reasonable potential for contribution of significant materials to storm water runoff from at least the following areas or activities:

- 1) Loading, unloading, and other material handling operations
- 2) Outdoor storage including secondary containment structures
- 3) Outdoor manufacturing or processing activities
- 4) Significant dust or particulate generating processes
- 5) Discharge from vents, stacks, and air emission controls
- 6) On-site waste disposal practices
- 7) Maintenance and cleaning of vehicles, machines, and equipment
- 8) Areas of exposed and/or erodible soils
- 9) Sites of Environmental Contamination listed under Part 201 (Environmental Response) of the NREPA
- 10) Areas of significant material residues
- 11) Areas where animals congregate (wild or domestic) and deposit wastes
- 12) Other areas where storm water may contact significant materials

For each applicable item, the permit requires a written description of the specific activity or storage area. Along with the written description of the activities or storage areas, a description of the significant materials associated with those items must be included.

## SEE TABLE 1 FOR INDUSTRIAL ACTIVITY AND SIGNIFICANT MATERIAL STORAGE AREA DESCRIPTIONS

#### 4.3 List of Significant Spills

The permit requires a list of significant spills and significant leaks of polluting materials that occurred at areas that are exposed to precipitation or that otherwise discharge to a point source at the facility. The listing shall include spills that occurred over the three years prior to the effective date of a certificate of coverage

shall be controlled in accordance with the SWPPP and is cause for the SWPPP to be updated as appropriate within 14 calendar days of obtaining knowledge of the spill or loss. If there have been no spills of polluting materials, state that in this section. Question: Have there been any significant spills or significant leaks of polluting materials in the last 3 years? ☐ Yes ☐ No • If the answer above is "Yes" then input the applicable information in the table below: Significant Spills and Significant Leaks of Polluting Materials Table Location & Date Material & Volume Corrective Actions Taken 4.4 **Summary of Sampling Data** The permit requires a summary of existing storm water discharge sampling data (if available) describing pollutants in storm water discharges associated with industrial activity at the facility. The summary shall be accompanied by a description of the suspected sources of the pollutants detected. (If there is no storm water discharge sampling data, state that in this section.) **Question:** Is there any storm water discharge sampling data available?  $\square$  Yes  $\square$  No If the answer to the above question is "Yes" then summarize the information below and maintain the data with the SWPPP file. Summary of Sampling Information: 4.5 **Actions Taken to Investigate Illicit Connections** The permit requires that the SWPPP include a description of the actions taken to identify and eliminate illicit connections to the storm sewer system. All illicit connections to Municipal Separate Storm Sewer Systems (MS4s) or waters of the state should be permanently plugged or re-routed to the sanitary sewer system, in accordance with the authorization from the local Wastewater Treatment Plant. Any discharge from an illicit connection is a violation of the conditions of this permit. Actions taken to investigate and eliminate any illicit connections to the storm sewer system: NON-STRUCTURAL CONTROLS 5.0

Non-structural controls are practices that are relatively simple, fairly inexpensive, and applicable to a wide variety of industries or activities. Non-structural controls are intended to reduce the amount of pollution getting into the surface waters of the state and are generally implemented to address the problem at the source. They do not require any structural changes to the facility. These are typically everyday types of activities undertaken by employees at the facility. Many facilities may already have nonstructural controls in place for other reasons.

authorizing discharge under the General Permit. The listing shall include the date, volume, exact location of

contamination of surface waters of the state. Any release that occurs after the SWPPP has been developed

release, and actions taken to clean up the material and/or prevent exposure to storm water runoff or

## The permit requires that the SWPPP shall, at a minimum, include each of the following non-structural controls:

**Preventative Maintenance Program (Routine Inspection Program)** 

5.1

The permit requires written procedures and a schedule for routine preventive maintenance which includes inspection and maintenance of storm water management and control devices (e.g. cleaning of oil/water separators and catch basins) as well as inspecting and testing plant equipment and systems to uncover conditions that could cause breakdowns or failures resulting in discharges of pollutants to surface waters. Generally the focus of this permit requirement is on exterior items. A written report of the inspection and corrective actions shall be maintained on file and shall be retained for three years. See the DEQ Industrial Storm Water Certified Operator Training Manual for additional information.

The Routine Inspection Form is in Section 16.0.

If this requirement is addressed in other facility procedures, reference those procedures here:

#### 5.2 Housekeeping Procedures (Routine Inspection Program)

The permit requires that the SWPPP include written procedures and a schedule to implement routine good housekeeping inspections to maintain a clean, orderly facility. Good housekeeping inspections are intended to reduce the potential for significant materials to come in contact with storm water. The routine good housekeeping inspections should be combined with the routine inspection for the preventative maintenance program. Generally the focus of this permit requirement is on exterior areas. A written report of the inspection and corrective actions shall be maintained on file and shall be retained for three years. See the DEQ Industrial Storm Water Certified Operator Training Manual for additional information.

The Routine Inspection Form is in Section 16.0.

If th	is requirement	t is addressed	l in other	facility proced	dures, referer	nce those proce	dures here:
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The table below describes the Routine Inspection Program Procedures:

Routine In	Routine Inspection Program Procedures Table						
Description of Area or Equipment Inspected	Tasks Performed During Inspection	Frequency of Inspection					

#### 5.3 Comprehensive Site Inspection & Visual Assessments of Storm Water Discharges

The permit requires written procedures and a schedule for comprehensive site inspection. The inspections shall include but not be limited to, the areas and equipment identified in the preventive maintenance program and good housekeeping procedures. The inspection shall also include a review of the routine preventive maintenance reports, good housekeeping inspections reports, and any other paperwork associated with the SWPPP. The comprehensive site inspection shall be conducted by the Industrial Storm Water Certified Operator quarterly. At a minimum one inspection shall be performed within each of the following quarters: January – March, April – June, July – September, and October – December.

The permittee may request Department approval of an alternate schedule for comprehensive site inspections. Such a request may be made if the permittee meets the following criteria: the permittee is in full compliance

with the permit, the permittee has an acceptable SWPPP, the permittee has installed and/or implemented adequate structural controls at the facility, the permittee has all required inspection reports available at the facility, and the permittee has an Industrial Storm Water Certified Operator at the facility.

A report of the comprehensive site inspection results shall be prepared and retained for three years. The report shall include the following information:

- ✓ Date of the inspection
- √ Name(s), title(s), and certification number(s) of the personnel conducting the inspection
- ✓ Precipitation information (i.e. a description of recent rainfall or snow met events)
- ✓ All observations relating to the implementation of control measures
- ✓ Any required revisions to the SWPPP resulting from the inspection
- ✓ A certification stating the facility is in compliance with this permit and the SWPPP, or, if there are instances of noncompliance, they are identified

The Comprehensive Site Inspection Form is in Section 17.0.

Comprehensive site inspection schedule:

Comprehensive site inspection written procedures:

The Industrial Storm Water Certified Operator will perform the comprehensive site inspections. All areas and items identified in Routine Inspection Procedures Table are included in the comprehensive site inspections. In addition all paper work associated with the routine inspections will be reviewed. The comprehensive site inspection report form will include a compliance certification statement. List any additional details (if necessary) related to the comprehensive site inspection procedures here:

## Visual Assessments of Storm Water Discharges \*\*CHECK YOUR GENERAL PERMIT FOR APPLICABILITY\*\*

The permit requires written procedures and a schedule for <u>quarterly visual assessments</u> of storm water discharges. The visual assessments shall be conducted by the Industrial Storm Water Certified Operator. At a minimum one visual assessment shall be performed within each of the following quarters: January – March, April – June, July – September, and October – December. If the Department has approved an alternate schedule for the comprehensive site inspection, the visual assessment may likewise be conducted in accordance with the same approved alternate schedule.

Visual assessment training/informational tutorials are available on the DEQ, WRD Industrial Storm Water webpage or by clicking on the following links:

- Part 1: https://www.voutube.com/watch?v=rhXbA1R VZk&feature=voutu.be
- Part 2: <a href="https://www.youtube.com/watch?v="https://www.yo
- Part 3: https://www.youtube.com/watch?v=ZiajZM6Avlg&feature=youtu.be

The Visual Assessment Report Form is in Section 18.0.

Visual Assessment schedule:

#### SEE SECTION 14.0 FOR THE VISUAL ASSESSMENT PROCEDURES

#### 5.4 Material Handling & Spill Prevention / Clean-Up Procedures

The permit requires a description of material handling procedures and storage requirements for significant materials. Equipment and procedures for cleaning up spills shall be identified in the SWPPP and made

available to the appropriate personnel. The procedures shall identify measures to prevent spilled materials or material residues on the outside of the containers from being discharged into storm water.

The SWPPP may include, by reference, requirements of either a Pollution Incident Prevention Plan (PIPP) prepared in accordance with the Part 5 Rules (Rules 324.2001 through 324.2009 of the Michigan Administrative Code); a Hazardous Waste Contingency Plan (HWCP) prepared in accordance with 40 CFR 264 and 265 Subpart D, as required by Part 111 of the Michigan Act; or a Spill Prevention Control and Countermeasure (SPCC) plan prepared in accordance with 40 CFR 112.

**Question:** Does the facility have any additional material handling & spill / clean-up procedures on file in addition to the SWPPP? No Yes

- If the answer is "No" complete the table below
- If the answer is "Yes" then reference the procedures and where they are located here and complete the table below as necessary:

Spills and leaks together are the largest industrial source of storm water pollution. Thus, this SWPPP specifies material handling procedures and storage requirements for significant materials. Equipment and procedures necessary for cleaning up spills and preventing the spilled materials from being discharged have also been identified. All employees have been made aware of the proper procedures. See the DEQ Industrial Storm Water Certified Operator Training Manual for additional information.

The DEQ, WRD Industrial Storm Water program spill report compliance assistance document should be kept with the SWPPP. Download the document from the DEQ, WRD Industrial Storm Water webpage or by clicking on the following link: <a href="https://www.michigan.gov/-/media/Project/Websites/egle/Documents/Programs/WRD/">https://www.michigan.gov/-/media/Project/Websites/egle/Documents/Programs/WRD/</a> Storm-Water-Industrial/permit-info-spill-reporting.pdf

If material handling and spill prevention / clean-up procedures are not addressed in other facility documents (referenced above) then the table below needs to be completed:

Material Hand	dling & Spill Prevention / Clean-up Pro	cedures Table
Potential Spill Area	Material Handling & Storage	Spill Response Procedures &
	Procedures	Equipment

#### SEE TABLE 2 FOR SPILL KIT INVENTORY

#### 5.5 Soil Erosion & Sedimentation Control Measures

The permit requires the identification of areas which, due to topography, activities, or other factors, have a high potential for significant soil erosion. Areas commonly prone to soil erosion are: gravel lots, bare earth or gravel at material handling areas around storm water inlets, areas with concentrated storm water runoff into streams or ditches, and access roads over open streams or ditches. Control measures must be implemented in areas prone to soil erosion and sedimentation. More information on soil erosion and sedimentation control may be obtained from the DEQ, Water Resources Division District Office.

Question: Is dust suppression materia	I used on site?	☐ Yes	☐ No
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<ul> <li>If "Yes" then describe the actions imp sewer system or surface waters of the</li> </ul>	e state:
<ul> <li>Are there areas of the site that are period</li> <li>If "Yes" then complete the table below</li> </ul>	rone to soil erosion and/or sedimentation?   Yes  No v:
Soil Erosion & Sedir	mentation Control Measures Table
Areas Prone to Soil Erosion or Sedimentation	Control Measures Implemented
	·
Space to list additional areas of concerns and co	ontrol measures if necessary:
bersonnel at all levels of responsibility of the conche General Permits have included a requirement available at the DEQ, WRD, Industrial Storm Wanttps://www.youtube.com/watch?v=IGqvsztguRAEmployee training will be a major component in converge and the facility chance that the plan will be effective. The follow mplemented to inform appropriate personnel at SWPPP (i.e. good housekeeping practices, spill practices, informing customers of facility policies. The Employee Training Form is in Section 19.0.	ensuring the success of the facility's SWPPP. The more ity's SWPPP and what is expected of them, the greater the ring is a description of the employee training programs to be all levels of responsibility of the components and goals of the prevention and response procedures, waste minimization
Employee Training Frequency:	
Employee Training Program Description:	
eceiving water, which restricts the discharge of	num Daily Load (TMDL) established by the Department for the any of the identified significant materials or constituents of the level of control for those materials necessary to comply with

the TMDL.

The TMDL means the amount of pollutant load a water body, such as a lake or stream, can assimilate and still meet water quality standards. If a receiving water body does not meet the water quality standards for a specific pollutant, the DEQ will establish the appropriate daily maximum load for that pollutant to allow the water body to again meet water quality standards. If a permitted facility is expected to discharge that specific pollutant in its storm water to that water body, the General Permit requires the facility to list actions it will take to meet that TMDL requirement.

The applicable TMDLs will be identified on the Certificate of Coverage (COC).

See the DEQ, WRD, Industrial Storm Water Webpage for additional TMDL information or click this link for the TMDL compliance assistance document: https://www.michigan.gov/-/media/Project/Websites/egle/ Documents/Programs/WRD/Storm-Water-Industrial/permit-info-tmdl.pdf

	he above question is "Yes" the		low:	
TMDL Pollutant:	Best Management Practic	ces Implemented to redu	ice the dischar	ge of the
Space to list additional TMD	DL pollutants and BMPs implen	nented onsite if necessa	ry:	
The permit requires the ider following implementation of are used to reduce pollutant these types of controls will r discharges after implementately below will be addressed through the controls.	Materials Still Present  Intification of significant material Inon-structural preventative means at the source before they cannot be enough. A list of signification of nonstructural controls rough the use of structural continon-structural controls, state the	easures and source cont in get into the storm water cant materials expected to must be included in the Strols. (If there will be no s	rols. Non-structor or runoff. In sor to be present in SWPPP. The n	etural controls me cases, storm water naterials listed
Significant Material	Location and Control Measu	re:	Impacted Inlet(s):	Impacted Discharge Point(s):
Space available to add addi	tion information if necessary:			
6.0 STRUCTURAL	CONTROLS			
discharges in accordance we function, and design criteria.  Structural controls may be not	ere implementation of non-struction water quality standards, the of structural controls for prevenences are:  ninated storm water from containes are not feasible or are inade water. Structural controls shattorm water in a manner that recompliance with the Water Quality.	e SWPPP shall provide a ention and treatment.  acting or being contacted equate to keep significantly be used to treat, diversiduces the level of significantly actions.	d description of d by significant nt materials at t t, isolate, recyc	materials; or he site from le, reuse, or
Examples of structural contr  ✓ Signs and Labels  ✓ Safety Posts  ✓ Fences  ✓ Security Systems  ✓ Temporary and Pern  ✓ Storm Water Convey  ✓ Diversion Dikes	nanent Coverings	<ul> <li>✓ Paving</li> <li>✓ Curbing</li> <li>✓ Drip Pans</li> <li>✓ Secondary Contai</li> <li>✓ Catch Basin Insert</li> <li>✓ Detention and Ret</li> <li>✓ Vegetative Filters</li> </ul>	ts	

✓ Grading

✓ Vegetative Filters✓ Oil/Water Separators

from preventive measures to collection structures to treatment systems. Structural controls will typically require construction of a physical feature or barrier. Below is a description of the structural controls used at the facility. See the DEQ Industrial Storm Water Operator Training Manual for additional details on structural controls. Question: Are structural control measures used at the facility? \( \subseteq \text{No} \subseteq \text{Yes} \) • If answer above is "Yes" then complete the appropriate information in the table below. Structural Controls Used at the Facility Description of structural control(s) Location of structural control(s) Significant Materials intended to be managed by the structural control(s) 7.0 NON-STORM WATER DISCHARGES The permit requires that all discharge locations be evaluated for the presence of non-storm water discharges. Any unauthorized storm water discharges must be eliminated, or covered under another NPDES permit. Storm water shall be defined to include all of the following non-storm water discharges provided pollution prevention controls for the non-storm water component are identified in the SWPPP. Question: Is any of the 10 non-storm water discharges listed below applicable to the facility? 

No Yes • If the answer is "Yes" then complete the appropriate sections of the table below: Check the Applicable Non Storm Pollution Prevention Controls Impacted Impacted Water Discharges at the Facility: Inlet(s): Discharge Implemented: Point(s): 1. Discharges from fire hydrant flushing 2. Potable water sources including water line flushing 3. Water from fire system testing and fire fighting training without burned materials or chemical fire suppressants 4. Irrigation drainage 5. Lawn watering 6. Routine building wash-down that does not use detergents or other compounds 7. Pavement wash waters where contamination by toxic or hazardous materials has

These types of controls are physical features that control and prevent storm water pollution. They can range

not occurred (unless all		
contamination by toxic or		
hazardous materials has		
been removed) and where		
detergents are not used		
8. Uncontaminated condensate		
from air conditioners,		
coolers, and other		
compressors and from the		
outside storage of		
refrigerated gases or liquids		
Uncontaminated ground		
water		
10. Foundation or footing drains		
where flows are not		
contaminated with process		
materials such as solvents		

Discharges from fire fighting activities are authorized by the permit, but are exempted from the requirement to be identified in the SWPPP.

#### 8.0 ANNUAL REVIEW

The permit requires that the permittee shall review the SWPPP annually after it is developed and maintain written summaries of the reviews. Based on the review, the permittee shall amend the SWPPP as needed to ensure continued compliance with the terms and conditions of the permit. The annual review is to be retained on site for three years and depending on the general permit is required to be submitted to the DEQ district office on or before January 10<sup>th</sup> of each year.

The Annual Review Report Form is in Section 20.0.

Specify the month the Annual SWPPP Review will be performed:	

#### 9.0 INDUSTRIAL STORM WATER CERTIFIED OPERATOR UPDATE

The permit requires that if the Industrial Storm Water Certified Operator is changed or an additional Industrial Storm Water Certified Operator is added, the permittee shall provide the name and certification number of the new Industrial Storm Water Certified Operator to the Department. If a facility has multiple Industrial Storm Water Certified Operators, the name and certification number of the Industrial Storm Water Certified Operators shall be included in the SWPPP.

#### 10.0 RECORD KEEPING

The permit requires that the permittee shall maintain records of all SWPPP related inspection and maintenance activities. Records shall also be kept describing incidents such as spills or other discharges that can affect the quality of storm water runoff. All such records shall be retained for three years. The following records are required by the permit:

- ✓ Routine preventive maintenance inspection reports
- ✓ Routine good housekeeping inspection reports
- ✓ Comprehensive site inspection reports
- ✓ Documentation of visual assessments
- ✓ Employee training records
- ✓ Written summaries of the annual SWPPP review

 $\checkmark$  Short Term Storm Water Characterization Study data

#### 11.0 SWPPP CERTIFICATION

The permit requires that the SWPPP shall be reviewed and signed by the Certified Storm Water Operator(s) and by either the permittee or an authorized representative in accordance with 40 CFR 122.22. The SWPPP shall be retained on-site at the facility which generates the storm water discharge.

I certify under penalty of law that the storm water drainage system in this SWPPP has been tested or evaluated for the presence of non-storm water discharges either by me, or under my direction and supervision. I certify under penalty of law that this SWPPP has been developed in accordance with the General Permit and with good engineering practices. To the best of my knowledge and belief, the information submitted is true, accurate, and complete. At the time this plan was completed no unauthorized discharges were present. I am aware that there are significant penalties for submitting false information, including the possibility of fine or imprisonment for knowing violations.

Permittee or Author	ized Representative
Printed Name & Title:	
Signature & Date:	
	er Certified Operator
Printed Name & Certification Number:	
Signature & Date:	
	Water Certified Operators if Necessary
Printed Name & Certification Number	Signature & Date

# 13.0 TABLE 1 – SIGNIFICANT MATERIAL INVENTORY AND DESCRIPTION OF INDUSTRIAL ACTIVITY OR SIGNIFICANT MATERIAL STORAGE AREAS

**Instructions -** Fill out the applicable areas or activities in the corresponding sections. Add more lines as needed. Once you have described the area or activity, list the significant materials that are associated with the areas or activities, the exposure methods, and evaluate the level of exposure. Once that is completed indicate the inlet(s) and discharge point(s) that would be impacted if significant materials were discharged from the areas or activities described.

1) Loading, unloading, and other material handling operations  2) Outdoor storage including secondary containment structures  3) Outdoor manufacturing or processing activities  4) Significant dust or particulate generating processes  5) Discharge from vents, stacks, and air emission controls	Discharge Point(s)	Inlet(s)	Reasonable Potential Evaluation (high,medium,low)	Exposure Method	Significant Materials	Storage Areas / Activity Areas	Section Listed in General Permit
2) Outdoor storage including secondary containment structures  3) Outdoor manufacturing or processing activities  4) Significant dust or particulate generating processes  5) Discharge from vents, stacks, and air emission							Loading, unloading, and other material
including secondary containment structures  3) Outdoor manufacturing or processing activities  4) Significant dust or particulate generating processes  5) Discharge from vents, stacks, and air emission							
including secondary containment structures  3) Outdoor manufacturing or processing activities  4) Significant dust or particulate generating processes  5) Discharge from vents, stacks, and air emission							
3) Outdoor manufacturing or processing activities  4) Significant dust or particulate generating processes  5) Discharge from vents, stacks, and air emission							2) Outdoor storage
3) Outdoor manufacturing or processing activities  4) Significant dust or particulate generating processes  5) Discharge from vents, stacks, and air emission							including secondary
4) Significant dust or particulate generating processes  5) Discharge from vents, stacks, and air emission							containment structures
4) Significant dust or particulate generating processes  5) Discharge from vents, stacks, and air emission							
4) Significant dust or particulate generating processes  5) Discharge from vents, stacks, and air emission							3) Outdoor manufacturing
particulate generating processes  5) Discharge from vents, stacks, and air emission							or processing activities
particulate generating processes  5) Discharge from vents, stacks, and air emission							
particulate generating processes  5) Discharge from vents, stacks, and air emission							4) 0: '(' + 1 + 1
5) Discharge from vents, stacks, and air emission							4) Significant dust or
5) Discharge from vents, stacks, and air emission							
stacks, and air emission							
stacks, and air emission							5) Discharge from vents
			-	+			stacks, and air emission
			-				
6) On-site waste disposal			1				6) On-site waste disposal
practices							

## **13.0 TABLE 1 CONTINUED**

Section Listed in General Permit	Storage Areas / Activity Areas	Significant Materials	Exposure Method	Reasonable Potential Evaluation (high,medium,low)	Inlet(s)	Discharge Point(s)
7) Maintenance and						
cleaning of vehicles, machines and equipment						
8) Areas of exposed						
and/or erodible soils						
9) Sites of Environmental Contamination listed						
under Part 201						
10) Areas of significant						T
material residues						
11) Areas where animals						
congregate (wild or						
domestic) and deposit						
wastes						
12) Other areas where						
storm water may contact						
significant materials						

## 14.0 VISUAL ASSESSMENT PROCEDURES

1.	List the discharge point(s) (as indicated on the SWPPP map):
	a) Is there substantially identical discharge points?   Yes  No  If "Yes" then complete a) and b) below, if "No" go to Number 2.
	b) Describe the justification for the substantially identical discharge points determination?
	c) List the schedule for alternating the substantially identical discharge points:
2.	Describe the monitoring (sampling) location for each discharge point:
3.	List the Qualified Personnel that will collect the water sample:
4.	Training for the Qualified Personnel includes viewing the Visual Assessment Webinar and/or the 3 Visua Assessment Tutorials on the DEQ, WRD Industrial Storm Water webpage. Check the appropriate box below:
	☐ Yes
	☐ No, however a copy of the training materials used are included with this procedure.
5.	List the sampling equipment used for the collecting the water sample(s):
6.	Complete a) through c) below to describe the storm event information.
	a) Describe how qualifying storm events are determined (including nature of the event):
	b) Describe how each discharge point was evaluated to determine when a discharge would begin:
	c) Describe what would constitute an adverse weather condition that would prevent sample collection:
7.	Describe how the samples will be collected (Determine the timing sequence for water sample collection from the discharge points):
8.	Describe the water sampling instructions that the Qualified Personnel will follow:
9.	Described how observations made by the Qualified Personnel will be documented during the discharge (include nature of the event):
10.	Describe the sample storage procedures if applicable:
11.	Describe the procedures the Industrial Storm Water Certified Operator will follow to perform the visual assessment(s) of the water sample(s):

12. List the name(s) of the Industrial Storm Water Certified Operator that will be performing the water sample visual assessment(s):
13. The DEQ, WRD Visual Assessment Report form should be used to document each water sample visual assessment. Check the appropriate box below:
Yes, the DEQ, WRD Visual Assessment Report form is used.
☐ No, the DEQ, WRD Visual Assessment Report form is not used however the form being used to meet this requirement is included with this procedure.
14. Colored Photos shall be used to record the visual assessment(s). If other methods of recording observations will be used describe those methods:

- 15. All visual assessment documentation should be kept with the SWPPP file. If documentation will be kept at an alternate location state that location:
- 16. Describe the follow-up actions that will be taken if unusual characteristics are observed during the visual assessment(s):

#### 15.0 TABLE 2 - SPILL KIT INVENTORY

List the spill response equipment that will be maintained in each location or locker (refer to MSDSs to determine recommended clean-up methods and supplies):

Person responsible for maintaining this inventory:

Locker number or location	Absorbents (pads, booms, kitty litter, etc.)	Tools (shovels, brooms, squeegees, etc.)	Personal Protective Equipment (rubber gloves, boots, masks, etc.)	Other Supplies (warning tape, labels, markers, MSDSs, etc.)

Label each spill kit with the words "SPILL KIT" and the necessary emergency telephone number(s) or pager number(s) of persons to be contacted in case of a spill or leak that is beyond the training and equipment available on or near each spill locker:

Facility Responsible Person/Phone Number:

Spill Response Contractor (if any)/Phone Number:

**DEQ District Office Phone Number:** 

DEQ 24-Hour Emergency Spill Reporting Hot-Line: 1-800-292-4706 (PEAS Number)

Stencil the following warning on each spill kit:

"WARNING: NEVER HOSE DOWN A SPILL!
CLEAN IT UP PROMPTLY AND DISPOSE OF THE WASTE PROPERLY."

## **16.0 ROUTINE INSPECTION FORM**

Date:		Time:	
	Inspector Ir	nformation	
Print Name:		Signature:	
Areas Inspected	Observation		Corrective Actions Taken

## 17.0 COMPREHENSIVE SITE INSPECTION FORM

Date:	Time:					
	Certified Operator Information					
Print Name:	Signature:					
	Precipitation Information					
Check the most appropriate box that ☐ Dry ☐ Rain ☐ Snow ☐	Check the most appropriate box that represents the weather condition during the inspection:  Dry Rain Snow Other, explain:					
	Compliance Certification Statement					
Based on the results of this inspection the facility is in compliance with the general permit and the SWPPP:  Yes No, explain:						
Areas Inspected	Observation	Corrective Actions Taken				
Routine Inspection Report						
Paperwork						

## 18.0 VISUAL ASSESSMENT REPORT FORM

Visual Assessment Sample Information					
Facility Name	Facility Name: COC No. or NPDES Permit No:				
Industrial Sto	m Water Certifie	d Operato	r Name:		
Name / Title o	of person collectir	ng sample	if other than	Cert. Operato	or:
Date of Comp	Date of Comprehensive Inspection: Is this a substitute sample?   No Yes Explain:				
Discharge Po	int # / Name:		Substantia List:	lly Identical D	Discharge Point?
Description of	sample collectio	n location			
Date / Time D	ischarge Began:	Date Colle			Date / Time Sample Examined:
For rain even	ts - if sample was	collected	> 30 minutes	s from start of	f discharge, provide explanation:
Snowmelt	Snowmelt Rainfall ☐ If rain event - previous storm ended > 72 hours prior to start of this event? ☐ No ☐ Yes				d > 72 hours prior to start of this event?
Observations	S				
Color: No				pating Solids:	
	eens: 🗌 None [		Globs	] Sheen 🔲 (	Other
	earance of film/sh		7./	<del></del>	
	shake sample):	∐ No L		spended Sol	ids: No Yes (describe):
Settleable So	lids: 🗌 No 🔲 Y	es (descri	be):		
Odor: None Musty Sewage Sulfur Sour Hydrocarbons Chemical Other (describe):					
Turbidity/Clarity:					
	nple taken (requi <u>r</u>			torage locatio	on:
Receiving wa	ters observed?	_ N/A	No Yes (	(describe):	
Follow-up:					
Based on the visual observation, are there unnatural characteristics in the discharge (cloudiness, color,					
sheen, etc.)?					
Potential sources of observed unnatural characteristics N/A or describe:					
<del>-</del> -					
Implemented / recommended corrective action(s) \( \sum \text{N/A or describe:} \) Scheduled date for correction:					
I certify that the above information is correct					
Certified Operator Signature Date					
	ator Orginaturo				

RETAIN THIS FORM FOR A MINIMUM OF 3 YEARS

## 19.0 EMPLOYEE TRAINING FORM

Date of Session:						
Trainer Information						
Print:	Signature:					
Fillit.	Signature.					
Training Sess	sion Information					
Topics Covered:						
Au I N	LAW 1 0: (					
Attendee Name	Attendee Signature					

## 20.0 ANNUAL SWPPP REVIEW REPORT FORM

Facility Information						
Designated Name:	Certificate of Coverage No. or Individual Permit No.:					
Facility Address:	County:					
Facility Contact	ct Information					
Name:	Telephone No.:					
Email Address:	Certification No.:					
Backup Facility Co	ontact Information					
Name:	Telephone No.:					
Email Address:	Certification No.:					
Industrial Storm Water Cer						
Name:	Telephone No.:					
Email Address:	Certification No.:					
Space to list additional operators if applicable:						
The SWPPP Checklist on the DEQ, WRD Industrial Storm Water webpage should be used to review the facility's SWPPP and <u>before</u> the following 10 questions are completed.						
1. Facility general information is current and accurate	Yes 🗌 No 🗌					
2. Site map is current and accurate	Yes 🗌 No 🗌					
3. Significant material inventory is current and accurate						
4. New exposures, processes and related controls have been documented  Yes No NA appropriately in the SWPPP						
5. Spills have been recorded and reported as appropria						
6. Employee SWPPP training was conducted and documented  Yes No						
7. Records of routine preventative maintenance and housekeeping inspections Yes No are available in the SWPPP file						
8. Comprehensive site inspections have been completed, certified and filed in Yes No the SWPPP file						
<ol><li>Visual Assessments have been completed and the r the SWPPP file</li></ol>	eports have been filed in Yes No No NA					
10. Corrective actions noted in the inspection reports have been completed Yes No						
11. The SWPPP is compliant with the permit and has been reviewed and signed Yes No						
by the Certified Storm Water Operator and the permittee or designated						
representative						
Additional Comments:						
I certify that the above information is correct:						
Name:	Signature / Date:					

SUBMIT THIS FORM TO THE DEQ, WRD DISTRICT OFFICE IDENTIFIED ON YOUR CERTIFICATE OF COVERAGE ON OR BEFORE  $\underline{\textbf{JANUARY 10}^{TH}}$  OF EACH YEAR

#### 21.0 DEQ SPILL OR RELEASE REPORT



☐ Spill contained on impervious surface

#### MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY

#### SPILL OR RELEASE REPORT

NOTE: Some regulations require a specific form to use and procedures to follow when reporting a release. Those forms and procedures MUST be used and followed if reporting under those regulations. This report form is to aid persons reporting releases under regulations that do not require a specific form. This report form is not required to be used. To report a release, some regulations require a facility to call the PEAS Hotline at 800-292-4706, or DEQ District Office that oversees the county where it occurred, and other regulating agencies and provide the following information. A follow-up written report may be required. Keep a copy of this report as documentation that the release was reported. If you prefer to submit this report electronically by FAX or e-mail, contact the regulating agency for the correct telephone number or e-mail address. See the DEQ website on Spill/Release Reporting for more reporting information.

Please print or type all information. NAME AND TITLE OF PERSON SUBMITTING WRITTEN REPORT TELEPHONE NUMBER (provide area code) NAME OF BUSINESS RELEASE LOCATION (provide address if different than business, if known, and give directions spill location. Include nearest highway, town, road intersection, etc.) STREET ADDRESS ZIP CODE STATE BUSINESS TELEPHONE NUMBER (provide area code) SITE IDENTIFICATION NUMBER AND OTHER IDENTIFYING NUMBERS (if applicable) COUNTY TIER/RANGE/SECTION TOWNSHIP RELEASE DATA. Complete all applicable categories. Check all the boxes that apply to the release. Provide the best available information regarding the release and its impacts. Attach additional pages if necessary. DATE & TIME OF RELEASE (if known) DATE & TIME OF DURATION OF RELEASE (if known) TYPE OF INCIDENT Pipe/valve leak or rupture DISCOVERY Explosion days Fire Leaking container Vehicle accident hours Other minutes Loading/unloading release am/pm am/pm CAS NUMBER or HAZARDOUS WASTE CODE MATERIAL RELEASED (Chemical or trade name) ESTIMATED QUANTITY ☐ CHECK HERE IF ADDITIONAL MATERIALS LISTED ON ATTACHED PAGE. RELEASED (indicate unit RELEASED e.g. lbs, gals, cu ft or yds) (indicate if solid, liquid, or gas) FACTORS CONTRIBUTING TO RELEASE SOURCE OF LOSS Equipment failure ☐ Training deficiencies ☐ Unusual weather conditions ☐ Ship ☐ Container ☐ Truck Operator error Tank ☐ Other Railroad car Tanker Faulty process design ☐ Other Pipeline TYPE OF MATERIAL RELEASED MATERIAL LISTED ON or DEFINED BY IMMEDIATE ACTIONS TAKEN Agricultural: manure, pesticide, CAA Section 112(r) list (40 CFR Part 68) ☐ Containment Diversion of release to fertilizer CERCLA Table 302.4 (40 CFR Part 302) treatment Dilution Chemicals EPCRA Extremely Hazardous Substance Evacuation ☐ Decontamination of Flammable or combustible liquid (40 CFR Part 355) ☐ Hazard removal persons or equipment Michigan Critical Materials Register or permit Hazardous waste Monitoring Neutralization Liquid industrial waste NREPA Part 31, Part 5 Rules polluting material System shut down ☐ Other NREPA Part 111 or RCRA hazardous waste Oil/petroleum products or waste ☐ Salt NREPA Part 121 liquid industrial waste Sewage Other list Other Unknown Unknown RELEASE REACHED Distance from spill location to ☐ Surface waters (include name of river, lake, drain involved) surface water, in feet ☐ Drain connected to sanitary sewer (include name of wastewater treatment plant and/or street drain, if known) ☐ Drain connected to storm sewer (include name of drain or water body it discharges into, if known) ☐ Groundwater (indicate if it is a known or suspected drinking water source and include name of aquifer, if known) ☐ Soils (include type e.g. clay, sand, loam, etc.) ☐ Ambient Air

EXTENT OF INJURIES, IF ANY		WAS ANYONE HOSPITALIZED	
		Yes NUMBER	INJURIES TREATED ON-SITE:
		HOSPITALIZED:	-
DESCRIBE THE INCIDENT, THE TYPE OF EQUIPMENT INVOLVED IN THE RELEASE, ENVIRONMENTAL DAMAGE CAUSED BY THE RELEASE. IDENTIFY WHO IMMEDIAT name, contact person, and telephone number). ALSO IDENTIFY WHO DID FURTHER CHECK HERE IF DESCRIPTION OR ADDITIONAL COMMENTS ARE INCLUDED O	ELY RESPONDED TO THE INCIDENT (own R CLEANUP ACTIVITIES, IF PERFORMED O	employees or contractor - incl	ude cleanup company
		-	
ESTIMATED QUANTITY OF ANY RECOVERED MATERIALS AND A DESCRIPTION OF	HOW THOSE MATERIALS WERE MANAGE	D (include disposal method if ap	oplicable)
☐ CHECK HERE IF DESCRIPTION OR ADDITIONAL COMMENTS ARE INCLUDED OF	N ATTACHED PAGE		
ASSESSMENT OF ACTUAL OR POTENTIAL HAZARDS TO HUMAN HEALTH (include regarding medical attention necessary for exposed individuals.)		delayed effects, and where appro	opriate, advice
CHECK HERE IF DESCRIPTION OR ADDITIONAL COMMENTS ARE INCLUDED OF	N ATTACHED PAGE		
MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY NOTIFIED:	OTHER ENTITIES NOTIFIED:		
INITIAL CONTACT BY:   Telephone  Fax  Email  Other			Date: Time:
DATE/TIME INITIAL CONTACT:	☐ National Response Center (N	IRC): 800-424-8802	
☐ PEAS: 800-292-4706 Log Number Assigned	US Coast Guard Office:	ault Sta Maria	
DEQ District or Field Office Divisions or Offices Contacted:	☐ Detroit ☐ Grand Haven ☐ S ☐ US Department of Transports		
☐ Baraga ☐ Gwinn ☐ Air Quality	US Environmental Protection		
☐ Bay City ☐ Jackson ☐ Land & Water Management	911 (or primary public safety	answering point)	
☐ Cadillac ☐ Kalamazoo ☐ Office Geological Survey	Local Fire Department		
☐ Crystal Falls     ☐ Lansing     ☐ Remediation and       ☐ Detroit     ☐ Newberry     Redevelopment	☐ Local Police and/or State Pol☐ Local Emergency Planning C		
☐ Gaylord ☐ Warren ☐ Waste and Hazardous	State Emergency Response		
☐ Grand Rapids ☐ Wyoming Materials	via MI SARA Title III Progran	n .	
DEQ Office locations are subject to change   Water Bureau	☐ Wastewater Treatment Plant	Authority .	
	Hazmat Team	-	
NAME AND TITLE OF PERSON MAKING INITIAL REPORT:	☐ Local Health Department ☐ Department of Labor & Econo	omic Growth MIOSHA	
	Department of Labor & Econo		
	☐ Michigan Department of Agric	culture: 800-405-0101	
	☐ Other		
DEQ STAFF CONTACTED & PHONE NUMBER:	PERSON CONTACTED & PHO	NE NUMBER:	
	-	M	
DATE WRITTEN REPORT SUBMITTED SIGNATURE OF PERSON SUBMI	TTING WRITTEN REPORT		,
OIGHNIONE OF PERSON SUBMI	The the one		