



Department of  
Environmental  
Conservation

**NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION**  
**SPDES MULTI-SECTOR GENERAL PERMIT**  
**FOR STORMWATER DISCHARGES ASSOCIATED WITH INDUSTRIAL ACTIVITY**

Permit No. GP-0-17-004

Issued Pursuant to Article 17, Titles 7, 8 and Article 70  
of the Environmental Conservation Law

Effective Date: March 01, 2018

Expiration Date: February 28, 2023

Modification Effective Date: July 23, 2020

March 4, 2020 – Modifications consistent with the January 23, 2019 order and March 27, 2019 modified order of the Albany County Supreme Court.

John J. Ferguson  
Chief Permit Administrator

3-2-20

Authorized Signature

Date

Address: NYSDEC  
Division of Environmental Permits  
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Albany, N.Y. 12233-1750

## Preface

The Clean Water Act (CWA)<sup>1</sup> requires that *stormwater discharges associated with industrial activity from a point source to waters of the United States* are unlawful, unless authorized by a *National Pollutant Discharge Elimination System (NPDES)* permit. New York's *State Pollutant Discharge Elimination System (SPDES)* is a NPDES-approved program with permits issued in accordance with the *Environmental Conservation Law (ECL)*.

Coverage under the Multi-Sector General Permit for *Stormwater Discharges Associated with Industrial Activity* (MSGP) can be obtained by facilities, that conduct industrial activities identified within 40 CFR Part 122.26(b)(14)(i) through (ix) and (xi), with *stormwater discharges to surface waters of the State from a point source*.

To obtain coverage under this permit, an eligible facility must submit a Notice of Intent (NOI) form. Blank NOI forms are available by calling (518) 402-8111 or can be downloaded from the *Department's* website at: <http://www.dec.ny.gov>

Be sure to review and understand the requirements that apply to your facility. This permit includes general requirements applicable to all facilities with permit coverage (Parts I through VI) and industry specific requirements in Part VII which are applicable to 29 different industrial activities.

This MSGP, identified as GP-0-17-004, is effective on March 01, 2018 and will expire on February 28, 2023.

### NOTE

All italicized words within this *SPDES General Permit* are defined in Part VIII. Acronyms and Definitions

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<sup>1</sup> Also known as the Federal Water Pollution Control Act or Federal Water Pollution Control Act Amendments of 1972 (Pub.L. 92-500, as amended Pub. L. 92-217, Pub. L. 95-576, Pub. L. 96-483 and Pub. L. 97-117, 33 U.S.C. 1251 et.seq.)

# Table of Contents

|                                                                                    |           |
|------------------------------------------------------------------------------------|-----------|
| <b>PART I – COVERAGE UNDER THIS PERMIT .....</b>                                   | <b>1</b>  |
| A.    APPLICABILITY .....                                                          | 1         |
| B.    ELIGIBILITY .....                                                            | 1         |
| 1. <i>Stormwater Discharges Authorized</i> .....                                   | 1         |
| 2. <i>Non-Stormwater Discharges Authorized</i> .....                               | 2         |
| C.    ACTIVITIES WHICH ARE INELIGIBLE FOR COVERAGE UNDER THIS GENERAL PERMIT ..... | 2         |
| D.    PERMIT AUTHORIZATION .....                                                   | 3         |
| 1. <i>How to Obtain Authorization</i> .....                                        | 3         |
| 2. <i>Submitting the Notice of Intent</i> .....                                    | 4         |
| 3. <i>Modifying the Notice of Intent</i> .....                                     | 5         |
| 4. <i>Change of Owner or Operator</i> .....                                        | 5         |
| 5. <i>Conditional Exclusion for No Exposure</i> .....                              | 6         |
| E.    TERMINATING COVERAGE .....                                                   | 6         |
| F.    DEADLINES FOR SUBMITTAL OF NOIS AND NOTS AND CHANGES TO THE NOI .....        | 7         |
| <b>PART II – EFFLUENT LIMITATIONS .....</b>                                        | <b>9</b>  |
| A.    NON-NUMERIC TECHNOLOGY BASED EFFLUENT LIMITS .....                           | 9         |
| 1. <i>Minimize Exposure</i> .....                                                  | 9         |
| 2. <i>Good Housekeeping</i> .....                                                  | 10        |
| 3. <i>Maintenance</i> .....                                                        | 10        |
| 4. <i>Spill Prevention and Response Procedures</i> .....                           | 11        |
| 5. <i>Erosion and Sediment Controls</i> .....                                      | 12        |
| 6. <i>Management of Runoff</i> .....                                               | 12        |
| 7. <i>Salt Storage Piles or Piles Containing Salt</i> .....                        | 12        |
| 8. <i>Employee Training</i> .....                                                  | 13        |
| 9. <i>Non-Stormwater Discharges</i> .....                                          | 14        |
| 10. <i>Waste, Garbage and Floatable Debris</i> .....                               | 14        |
| 11. <i>Dust Generation and Vehicle Tracking of Industrial Materials</i> .....      | 14        |
| 12. <i>Secondary Containment</i> .....                                             | 14        |
| B.    NUMERIC EFFLUENT LIMITATIONS.....                                            | 15        |
| C.    WATER QUALITY BASED EFFLUENT LIMITATIONS .....                               | 15        |
| 1. <i>Maintaining Water Quality Standards</i> .....                                | 15        |
| 2. <i>Impaired Waters</i> .....                                                    | 16        |
| D.    BEST MANAGEMENT PRACTICES SELECTION AND DESIGN CONSIDERATIONS .....          | 16        |
| <b>PART III – STORMWATER POLLUTION PREVENTION PLANS .....</b>                      | <b>18</b> |
| A.    CONTENTS OF THE SWPPP .....                                                  | 18        |
| 1. <i>Pollution Prevention Team</i> .....                                          | 18        |
| 2. <i>General Site Description</i> .....                                           | 18        |
| 3. <i>Potential Pollutant Sources</i> .....                                        | 19        |
| 4. <i>Spills and Releases</i> .....                                                | 20        |
| 5. <i>General Location Map</i> .....                                               | 20        |
| 6. <i>Site Map</i> .....                                                           | 20        |
| 7. <i>Stormwater Controls</i> .....                                                | 22        |
| 8. <i>Monitoring and Sampling Data</i> .....                                       | 26        |
| 9. <i>Copy of Permit Requirements</i> .....                                        | 26        |
| 10. <i>Inspection Schedule &amp; Documentation</i> .....                           | 26        |
| 11. <i>Corrective Action Documentation</i> .....                                   | 26        |
| B.    SWPPP PREPARER .....                                                         | 26        |

|                                                                                |                                                                              |           |
|--------------------------------------------------------------------------------|------------------------------------------------------------------------------|-----------|
| C.                                                                             | SIGNATURE AND <i>STORMWATER</i> POLLUTION PREVENTION PLAN AVAILABILITY ..... | 27        |
| D.                                                                             | SPECIAL SWPPP REQUIREMENTS .....                                             | 27        |
| E.                                                                             | KEEPING SWPPPs CURRENT .....                                                 | 28        |
| <b>PART IV – INSPECTIONS AND MONITORING .....</b>                              |                                                                              | <b>30</b> |
| A.                                                                             | COMPREHENSIVE SITE COMPLIANCE INSPECTION & EVALUATION .....                  | 30        |
| 1.                                                                             | <i>Scope of the Compliance Inspection &amp; Evaluation</i> .....             | 30        |
| 2.                                                                             | <i>Compliance Inspection &amp; Evaluation report</i> .....                   | 31        |
| B.                                                                             | ROUTINE INSPECTIONS OF BMPs .....                                            | 32        |
| C.                                                                             | ANNUAL DRY WEATHER FLOW INSPECTION .....                                     | 32        |
| D.                                                                             | COLLECTION AND ANALYSIS OF SAMPLES .....                                     | 33        |
| 1.                                                                             | <i>When to Sample</i> .....                                                  | 33        |
| 2.                                                                             | <i>Sample Analysis</i> .....                                                 | 33        |
| 3.                                                                             | <i>Storm event data</i> .....                                                | 33        |
| 4.                                                                             | <i>Secondary Containment Screening and Sampling</i> .....                    | 34        |
| E.                                                                             | QUARTERLY VISUAL MONITORING .....                                            | 34        |
| F.                                                                             | MONITORING REQUIREMENTS .....                                                | 35        |
| 1.                                                                             | <i>Types of Pollutant Monitoring</i> .....                                   | 35        |
| 2.                                                                             | <i>Frequency and Timing of Monitoring</i> .....                              | 37        |
| 3.                                                                             | <i>Monitoring Requirements</i> .....                                         | 38        |
| G.                                                                             | MONITORING WAIVERS .....                                                     | 39        |
| <b>PART V - CORRECTIVE ACTIONS .....</b>                                       |                                                                              | <b>42</b> |
| A.                                                                             | FOR <i>STORMWATER DISCHARGES</i> .....                                       | 42        |
| B.                                                                             | FOR <i>NON-STORMWATER DISCHARGES</i> .....                                   | 42        |
| C.                                                                             | CORRECTIVE ACTION DOCUMENTATION .....                                        | 43        |
| <b>PART VI – REPORTING AND RETENTION OF RECORDS .....</b>                      |                                                                              | <b>44</b> |
| A.                                                                             | REPORTING TO THE <i>DEPARTMENT</i> .....                                     | 44        |
| 1.                                                                             | <i>Annual Certification Report (ACR)</i> .....                               | 44        |
| 2.                                                                             | <i>Discharge Monitoring Report (DMR)</i> .....                               | 44        |
| 3.                                                                             | <i>Additional reporting</i> .....                                            | 45        |
| 4.                                                                             | <i>Mailing Address</i> .....                                                 | 45        |
| B.                                                                             | MONITORING REPORTING SUBMISSION DEADLINES .....                              | 46        |
| C.                                                                             | RETENTION OF RECORDS .....                                                   | 47        |
| 1.                                                                             | <i>Administrative Records</i> .....                                          | 47        |
| 2.                                                                             | <i>Monitoring Activities</i> .....                                           | 47        |
| <b>PART VII – SECTOR SPECIFIC PERMIT REQUIREMENTS .....</b>                    |                                                                              | <b>48</b> |
| SECTOR A – TIMBER PRODUCTS .....                                               |                                                                              | 49        |
| SECTOR B – PAPER AND ALLIED PRODUCTS MANUFACTURING .....                       |                                                                              | 53        |
| SECTOR C – CHEMICAL AND ALLIED PRODUCTS MANUFACTURING .....                    |                                                                              | 54        |
| SECTOR D – ASPHALT PAVING & ROOFING MATERIALS & LUBRICANT MANUFACTURERS .....  |                                                                              | 58        |
| SECTOR E – GLASS, CLAY, CEMENT, CONCRETE AND GYPSUM PRODUCTS .....             |                                                                              | 61        |
| SECTOR F – PRIMARY METALS .....                                                |                                                                              | 64        |
| SECTOR G – METAL MINING (ORE MINING & DRESSING) .....                          |                                                                              | 68        |
| SECTOR H – (RESERVED) .....                                                    |                                                                              | 78        |
| SECTOR I - OIL & GAS EXTRACTION AND REFINING .....                             |                                                                              | 79        |
| SECTOR J - MINERAL MINING & DRESSING .....                                     |                                                                              | 83        |
| SECTOR K – HAZARDOUS WASTE TREATMENT, STORAGE OR DISPOSAL FACILITIES .....     |                                                                              | 91        |
| SECTOR L – LANDFILLS, LAND APPLICATION SITES AND NON-COMPLIANT LANDFILLS ..... |                                                                              | 96        |
| SECTOR M - AUTOMOBILE SALVAGE YARDS .....                                      |                                                                              | 108       |
| SECTOR N – SCRAP RECYCLING & WASTE RECYCLING FACILITIES .....                  |                                                                              | 115       |

|                                                                                                                                |            |
|--------------------------------------------------------------------------------------------------------------------------------|------------|
| SECTOR O – STEAM ELECTRIC GENERATING STATIONS .....                                                                            | 126        |
| SECTOR P – LAND TRANSPORTATION AND/OR WAREHOUSING .....                                                                        | 131        |
| SECTOR Q – WATER TRANSPORTATION .....                                                                                          | 135        |
| SECTOR R – SHIP & BOAT BUILDING OR REPAIR YARDS .....                                                                          | 140        |
| SECTOR S – AIR TRANSPORTATION .....                                                                                            | 144        |
| SECTOR T – TREATMENT WORKS .....                                                                                               | 150        |
| SECTOR U – FOOD & KINDRED PRODUCTS.....                                                                                        | 152        |
| SECTOR V – TEXTILE MILLS, APPAREL & OTHER FABRIC PRODUCTS .....                                                                | 154        |
| SECTOR W – FURNITURE & FIXTURES .....                                                                                          | 157        |
| SECTOR X – PRINTING & PUBLISHING .....                                                                                         | 158        |
| SECTOR Y – RUBBER, PLASTICS & MISCELLANEOUS MANUFACTURING INDUSTRIES.....                                                      | 161        |
| SECTOR Z – LEATHER TANNING AND FINISHING .....                                                                                 | 164        |
| SECTOR AA - FABRICATED METAL PRODUCTS.....                                                                                     | 167        |
| SECTOR AB – TRANSPORTATION EQUIPMENT, INDUSTRIAL & COMMERCIAL MACHINERY .....                                                  | 173        |
| SECTOR AC – ELECTRONIC, ELECTRICAL EQUIPMENT & COMPONENTS, PHOTOGRAPHIC & OPTICAL GOODS .....                                  | 174        |
| <b>APPENDIX A – DEFINITIONS AND ACRONYMS.....</b>                                                                              | <b>175</b> |
| ACRONYMS.....                                                                                                                  | 175        |
| DEFINITIONS .....                                                                                                              | 176        |
| <b>APPENDIX B - SECTORS OF INDUSTRIAL ACTIVITY COVERED BY THIS PERMIT .....</b>                                                | <b>185</b> |
| <b>APPENDIX C - SECTORS SUBJECT TO BENCHMARK MONITORING REQUIREMENTS.....</b>                                                  | <b>190</b> |
| <b>APPENDIX D - COMPLIANCE MONITORING REQUIREMENTS - INDUSTRIAL ACTIVITIES SUBJECT TO EFFLUENT LIMITATION GUIDELINES .....</b> | <b>192</b> |
| <b>APPENDIX E - ADDITIONAL INFORMATION FOR NEW <i>DISCHARGES</i> .....</b>                                                     | <b>193</b> |
| <b>APPENDIX F - LIST OF DEC REGIONAL OFFICES .....</b>                                                                         | <b>195</b> |
| <b>APPENDIX G – POLLUTANT(S) OF CONCERN FOR IMPAIRED WATERBODIES REFERENCE TABLE .....</b>                                     | <b>196</b> |
| <b>APPENDIX H – STANDARD PERMIT CONDITIONS.....</b>                                                                            | <b>198</b> |
| 1. DUTY TO COMPLY .....                                                                                                        | 198        |
| 2. CONTINUATION OF THE EXPIRED GENERAL PERMIT .....                                                                            | 198        |
| 3. ENFORCEMENT.....                                                                                                            | 198        |
| 4. NEED TO HALT OR REDUCE ACTIVITY NOT A DEFENSE .....                                                                         | 198        |
| 5. DUTY TO MITIGATE .....                                                                                                      | 198        |
| 6. DUTY TO PROVIDE INFORMATION .....                                                                                           | 198        |
| 7. OTHER INFORMATION .....                                                                                                     | 199        |
| 8. SIGNATORY REQUIREMENTS .....                                                                                                | 199        |
| 9. PENALTIES FOR FALSIFICATION OF DOCUMENTATION/PENALTIES RELATED TO MONITORING DEVICES .....                                  | 200        |
| 10. OIL AND HAZARDOUS SUBSTANCE LIABILITY .....                                                                                | 200        |
| 11. PROPERTY RIGHTS .....                                                                                                      | 200        |
| 12. SEVERABILITY .....                                                                                                         | 201        |
| 13. REQUIRING AN INDIVIDUAL PERMIT OR AN ALTERNATIVE GENERAL PERMIT .....                                                      | 201        |
| 14. STATE/ENVIRONMENTAL LAWS .....                                                                                             | 201        |
| 15. PROPER OPERATION AND MAINTENANCE .....                                                                                     | 202        |
| 16. INSPECTION AND ENTRY .....                                                                                                 | 202        |
| 17. DEFINITIONS .....                                                                                                          | 202        |
| 18. REOPENER CLAUSE.....                                                                                                       | 202        |

## Part I – Coverage under this Permit

### A. Applicability

1. Coverage under this permit can be obtained in all areas of New York State where the *Department* implements CWA §402, where facilities:
  - a. Conduct industrial activities identified within 40 CFR Part 122.26(b)(14)(i) through (ix) and (xi);
  - b. Have a primary *industrial activity* that has a Standard Industrial Classification (SIC) code listed in Appendix B; and
  - c. Have *stormwater discharges to surface waters of the State* from a *point source*.
2. An industrial facility that meets the criteria in Part I.A.1 that is owned and operated by a *municipality* covered by a *Municipal Separate Storm Sewer System (MS4)* Permit does not need coverage under this MSGP permit provided that the *MS4*:
  - a. Includes the facility in the *MS4's Stormwater* Management Program Plan;
  - b. Implements the plan in accordance with the *MS4* Permit; and
  - c. Completes all the applicable monitoring, corrective actions and reporting requirements specified in the MSGP. The deadlines for reporting are specified in the *MS4* permit.

### B. Eligibility

Any *stormwater discharges* that are ineligible for coverage under Part I.C of this permit are not authorized by this permit and the *owner or operator* must either apply for a separate SPDES permit to cover those ineligible *discharges* or take steps necessary to make the *discharges* eligible for coverage under this permit.

#### 1. Stormwater Discharges Authorized

Subject to compliance with the terms and conditions of this permit, the following *stormwater discharges* are authorized by this permit.

- a. *Stormwater discharges* associated with industrial activities whose primary *industrial activity* has a Standard Industrial Classification (SIC) code listed in Appendix B.
- b. *Discharges* subject to numeric effluent limitations listed in Part IV.F.3.e or Appendix D.

- c. *Discharges* to impaired waterbodies that meet the requirements of Part II.C.2.
- d. This permit also provides permit coverage to facilities in Sectors J and L for construction activities pursuant to 40 CFR 122.26(b)(14)(x).
- e. *Stormwater discharges associated with industrial activity* that are mixed with stormwater *discharges* authorized under a different *SPDES* general permit or an *individual SPDES permit* provided that all *discharges* are in compliance with the terms and conditions of the various permits;
- f. *Stormwater discharges associated with industrial activity* which are authorized by this permit may be combined with other sources of stormwater which are not classified as associated with *industrial activity* pursuant to 40 CFR 122.26(b)(14), provided that the combined *discharge* is in compliance with this permit and has not been designated by the Department as requiring an individual *SPDES* Permit.
- g. *Stormwater discharges associated with industrial activity* listed in Part I.C.2 are eligible for coverage if the Department makes a determination that coverage under this general permit will not result in backsliding as specified in 6 NYCRR 750-1.10.

## 2. *Non-Stormwater Discharges Authorized*

Subject to compliance with the terms and conditions of this permit, only the following non-stormwater *discharges are authorized* by this permit provided that the SWPPP contains the documentation specified in Part III.A.7.f.

- a. Non-stormwater *discharges* listed in Part 750-1.2(a)(29)(vi), with the following exception:
  - o *Discharges* from firefighting activities are authorized only when the firefighting activities are emergencies/unplanned.
- b. Incidental windblown mist from cooling towers that collect on rooftops or adjacent portions of the facility, but not intentional *discharges* from cooling tower (e.g.; "piped" cooling tower blowdown or drains).

## C. *Activities which are Ineligible for Coverage under this General Permit*

The following are **not** authorized by this permit:

- 1. *Discharges* from *industrial activity* that are mixed with sources of non-stormwater other than those expressly authorized under this permit.
- 2. Unless otherwise determined by the Department to be eligible under Part I.B.g, *stormwater discharges from industrial activity* where:

- a. an *individual SPDES permit* authorizing such *discharges* has been revoked, suspended or denied;
  - b. the facility has failed to renew an expired *individual SPDES permit* which authorized such *discharges*; or
  - c. the *discharge* is covered by another SPDES permit.
- 3. *Discharges from industrial activity* which are subject to an *effluent limitation guideline* addressing *stormwater* which is not specifically listed in Table IV-3 or Appendix D (or a combination of *stormwater* and process water);
- 4. *Discharges from industrial activity from construction activities*, except *stormwater discharges* from portions of a construction site at facilities covered under Sectors J & L or that can be classified as an *industrial activity* under 40 CFR 122.26(b)(14)(i) through (ix) or (xi).
- 5. *Discharges from industrial activities* that may adversely affect an endangered or threatened species, or its critical habitat, unless the *owner or operator* has obtained a permit issued pursuant to Title 6 of the Official Compilation of Codes, Rules and Regulations of the State of New York (NYCRR) Part 182 for the facility or the *Department* has issued a letter of non-jurisdiction for the facility.
- 6. *Discharges* occurring on federal lands from *industrial activity* from either: inactive mining, inactive landfills, or inactive oil and gas operations where an *owner or operator* cannot be identified.
- 7. *Discharges from industrial activity* to impaired waterbodies at facilities that fail to maintain eligibility in accordance with Part II.C.2.
- 8. *Discharges* of hazardous substances (as listed in 6 NYCRR Part 597) or petroleum.
- 9. *Discharges of industrial waste and other wastes to Surface Waters of the State* that are classified as AA-Special fresh surface waters as defined in 6 NYCRR Part 800 to 941.

## D. Permit Authorization

### 1. How to Obtain Authorization

- a. To obtain authorization under this permit, the *owner or operator* of an eligible facility must:
  - (1) Develop and implement a *Stormwater Pollution Prevention Plan* (SWPPP) or update the existing SWPPP, in accordance with the

requirements in Part III and applicable sections of Part VII prior to submitting the NOI; and

- (2) Submit a complete Notice of Intent in accordance with Part I.D.2 and signed in accordance with Appendix H.8. The NOI certifies that the facility is eligible for coverage according to Part I.B, and provides information on the facility's industrial activities and related *discharges*.
  - If more than one activity listed in Appendix B is being performed at a facility, all SIC codes must be included in the NOI submitted to the *Department* to gain or renew coverage under MSGP.
- b. New *stormwater discharges associated with industrial activity* which require any other *Uniform Procedures Act* permits (*Environmental Conservation Law*, 6 NYCRR Part 621) cannot be covered under this permit until the other required permits are obtained (see Appendix E). In addition to the requirements in Part I.D.1.a, new dischargers must:
  - (1) Satisfy any project review pursuant to the State Environmental Quality Review Act ("SEQRA"), when SEQRA is applicable (see Appendix E). See the Department's website (<http://www.dec.ny.gov/>) for more information; and
  - (2) Obtain all necessary Department permits subject to the Uniform Procedures Act ("UPA") (see 6 NYCRR Part 621), unless otherwise notified by the Department pursuant to 6 NYCRR 621.3(a)(4) (see Appendix E).
  - (3) Submit a report including the information specified in Appendix E with the NOI. A copy of this report must be retained with the SWPPP.

## **2. Submitting the Notice of Intent**

- a. An *owner or operator* of a facility meeting the eligibility requirements in Part I.B must submit a complete NOI, which is signed in accordance with Appendix H.8, to the *Department*.
  - (1) Prior to December 20, 2020, the *owner or operator* may elect to submit the Notice of Intent by mailing a paper form to the address below or by using the *Department's* online NOI.
  - (2) Beginning December 21, 2020 and in accordance with the EPA's *NPDES* Electronic Reporting Rule, the *owner or operator* must submit the NOI electronically using the *Department's* online NOI. Both versions of the NOI are located on the *Department's* website <http://www.dec.ny.gov/>.

- b. An *owner or operator* who submits a complete NOI will be authorized to *discharge stormwater* under the terms and conditions of this permit, unless otherwise notified by the Department, Thirty (30) calendar days after the date the *Department* receives a complete NOI (electronic or paper).
- c. The paper NOI is to be submitted to the following address:

MSGP Permit Coordinator  
NYSDEC, Division of Water  
Bureau of Water Permits  
625 Broadway  
Albany, NY 12233-3505

### 3. *Modifying the Notice of Intent*

After gaining authorization under this permit, an *owner or operator* must notify the Department of any corrections or updates to the information provided in the original NOI. All modifications must be reported. Stormwater Discharges associated with industrial activity or outfalls not included in the most recent NOI that is on file at the Department are not authorized unless and until the corrections or updates have been received by the Department.

In order to modify the original NOI, an *owner or operator* must submit corrections or updated information, by submitting:

- a. Changes electronically using the Departments electronic NOI; or
- b. A completed paper NOI.

Modifications to the original NOI become effective on the date the *Department* receives the electronic NOI or a complete paper NOI.

### 4. *Change of Owner or Operator*

When the *owner or operator* of a facility changes, the original *owner or operator* should notify the new *owner or operator* in writing of the possible requirement to have coverage under this permit.

- a. The original *owner or operator* must submit the Notice of Termination to end coverage under this permit for their facility in accordance with Part I.E; and,
- b. The new *owner or operator* shall refer to Part I of this permit to determine if they need coverage under this permit.
- c. The original *owner or operator* will continue to be responsible for compliance with all permit conditions and fees until the NOT has been received.

## 5. Conditional Exclusion for No Exposure

- a. Facilities may qualify for a "Conditional Exclusion for No Exposure" when all industrial activities and materials are completely sheltered from exposure to rain, snow, snowmelt and/or runoff. Facilities qualifying for this exclusion are not required to obtain coverage under this permit.  
  
(1) Facilities with uncovered parking areas for vehicles awaiting maintenance may be eligible for this waiver if only routine maintenance is performed inside and all other *No Exposure* criteria are met.
- b. Facilities accepting or repairing disabled vehicles and/or vehicles that have been involved in accidents are not eligible for the Conditional Exclusion for *No Exposure*.
- c. To obtain the "Conditional Exclusion of No Exposure", the *owner or operator* must submit a complete No Exposure Certification to the *Department* using forms provided by the *Department*. This certification must be submitted once every 5 years and is non-transferable.  
  
(1) Facilities discharging industrial waste and other wastes to AA-Special waters, must submit their No Exposure Certification to the Department by June 23, 2020
- d. Facilities must maintain the condition of *no exposure*. The *no exposure* exclusion ceases to apply when industrial activities or materials become exposed. The *Department* reserves the right to require permit coverage when *stormwater discharges* from the facility are likely to have an adverse impact on water quality.

## E. Terminating Coverage

To terminate permit coverage, the *owner or operator* must submit a complete Notice of Termination (NOT) which is signed in accordance with Appendix H.8. The *owner or operator* continues to be responsible for meeting permit requirements and payment of annual fees until a complete NOT is received by the *Department*. The *owner or operator* must submit an NOT to terminate coverage under this permit when one or more of the following conditions are met:

1. When all *stormwater discharges* associated with *industrial activity* authorized by this permit are eliminated;
2. If all *stormwater discharges* are conveyed to a sanitary sewer, treatment works or a combined sewer system and the *owner or operator* of such system has accepted responsibility or approved connection for the *discharge*;
3. All industrial activities covered under this *SPDES* permit cease AND all materials, equipment or other potential *pollutants*, including but not limited to, residue in soils are removed;

4. When a different *SPDES* authorization for all *discharges* covered under this permit becomes effective; or
5. When the *owner or operator* of the *stormwater discharges* associated with *industrial activity* at a facility changes. (See Part I.D.4)
6. Facilities that meet the requirements for No Exposure as specified in Part I.D.5 are not required to submit a Notice of Termination form to terminate MSGP coverage.
  - a. MSGP coverage will terminate automatically upon submission of a complete No Exposure Certification form to the Department for facilities that do not discharge to AA-Special waters.
7. MSGP coverage will terminate automatically on July 23, 2020 for facilities that discharge industrial waste and other wastes to AA-Special waters.

#### **F. Deadlines for submittal of NOIs and NOTs and Changes to the NOI**

1. New *dischargers* or other owners or operators of facilities who intend to obtain coverage under this general permit shall submit a complete NOI according to the following schedule:
  - a. For electronic NOIs - at least thirty (30) calendar days before *industrial activity* begins at the facility; or
  - b. For paper NOIs - at least thirty (30) calendar days before *industrial activity* begins at the facility.
2. Facilities with effective coverage on September 30, 2017, under the *SPDES* General Permit for *Stormwater Discharges Associated with Industrial Activity* (GP-0-12-001), are eligible for continued coverage under this permit (GP-0-17-004) on an interim basis for up to one-hundred twenty (120) calendar days from the effective date of the permit. During this interim period, an *owner or operator* must:
  - a. Update the facility's SWPPP to comply with the requirements of this permit prior to submitting the NOI; and,
  - b. Submit a complete NOI, signed in accordance with Appendix H.8. The complete NOI must be received within ninety (90) calendar days from the date this permit becomes effective.
3. When the *owner or operator* of a facility which is covered by this permit changes, the previous *owner or operator* must submit an NOT in accordance with Part I.E. The new *owner or operator* shall refer to Part I of this permit to determine if they need coverage under this permit.

4. An Owner or Operator must promptly notify the *Department* of any changes or corrections to the submitted NOI by submitting changes according to the following procedures:
  - a. For electronic NOIs - If there is an electronic NOI on file with the Department, submit the changes/updates to the NOI electronically;
  - b. For Paper NOIs - submit a new fully completed NOI. An incomplete NOI will not be accepted by the Department.

*Stormwater discharges from industrial activities or outfalls* not included in previously submitted NOIs are not authorized until a complete NOI is received.

## Part II – Effluent Limitations

Effluent limits are required to *minimize* the *discharge* of *pollutants*. The term “*minimize*” means reduce and/or eliminate to the extent achievable using *control measures* (including *Best Management Practices* (BMPs) selected and designed in accordance with Part II.D) that are technologically available and economically practicable and achievable in light of best industry practice. *Control measures* are selected to meet the limits (non-numeric, numeric and water quality based) contained in this Part.

### A. Non-Numeric Technology Based Effluent Limits

The Owner or Operator must comply with the following non-numeric effluent limits as well as any sector-specific non-numeric effluent limits in Part VII.

#### 1. *Minimize Exposure*

The *owner or operator* must *minimize* the exposure of manufacturing, processing, and material storage areas to rain, snow, snowmelt, and runoff in order to *minimize pollutant discharges* by either locating these industrial materials and activities inside or protecting them with storm resistant coverings. This includes areas used for loading and unloading, storage, disposal, cleaning, maintenance, and fueling operations. Unless not technologically possible or not economically practicable and achievable in light of best industry practices, the *owner or operator* must also:

- a. Use grading, berming, or curbing to prevent runoff of contaminated flows and divert run-on away from these areas;
- b. Locate materials, equipment, and activities so that leaks and spills are contained in existing containment and diversion systems (confine the storage of leaky or leak-prone vehicles and equipment awaiting maintenance to protected areas);
- c. Clean up spills and leaks promptly using dry methods (e.g., absorbents) to prevent the *discharge of pollutants*;
- d. Store leaky vehicles and equipment indoors or, if stored outdoors, use drip pans and absorbents;
- e. Use spill/overflow protection equipment;
- f. Perform all vehicle and/or equipment cleaning operations indoors, under cover, or in bermed areas that prevent runoff and run-on and also that capture any overspray; and ensure that all washwater drains to a proper collection system (i.e., not the *stormwater* drainage system);

- g. Drain fluids from equipment and vehicles that will be decommissioned, and, for any equipment and vehicles that will remain unused for extended periods of time, inspect at least monthly for leaks; and
- h. *Minimize* exposure of chemicals by replacing with a less toxic alternative.

**Note:** The *discharge* of vehicle and equipment washwater, including tank cleaning operations, is not authorized by this permit. These wastewaters must be covered under a separate *SPDES* permit, *discharged* to a sanitary sewer in accordance with applicable industrial pretreatment requirements, or disposed of otherwise in accordance with applicable law.

## 2. *Good Housekeeping*

The *owner or operator* must keep clean all exposed areas that are potential sources of *pollutants*. The *owner or operator* must perform good housekeeping measures in order to *minimize pollutant discharges*, including but not limited to, the following:

- a. Sweep or vacuum at regular intervals or, alternatively, wash down the area and collect and/or treat, and properly dispose of the washdown water;
- b. Store materials in appropriate containers;
- c. Keep all dumpster lids closed when not in use. For dumpsters and roll off boxes that do not have lids and could leak, ensure that *discharges* have a control (e.g., secondary containment, treatment); and,
- d. Prevent the discharge of waste, garbage and floatable debris by keeping exposed areas free of such materials, or by intercepting them before they are *discharged*;
  - o Plastic Materials Requirements: Facilities that handle pre-production plastic must implement *Best Management Practices* to eliminate *discharges* of plastic in *stormwater*. Examples of plastic material required to be addressed as *stormwater pollutants* include plastic resin pellets, powders, flakes, additives, regrind, scrap, waste and recycling.

## 3. *Maintenance*

- a. In order to *minimize pollutant discharges* and achieve the effluent limits in this permit, the *owner or operator* must maintain all industrial equipment and systems and *control measures* in effective operating condition. This includes:
  - (1) Performing inspections and preventive maintenance of *stormwater* drainage, source controls, treatment systems, and plant equipment and systems that could fail and result in contamination of *stormwater*;

- (2) Maintaining non-structural *control measures* (e.g., keep spill response supplies available, personnel appropriately trained);
  - (3) Inspecting and maintaining baghouses quarterly during periods of operation, or in accordance with manufacturers recommendations, to prevent the escape of dust from the system and immediately removing any accumulated dust at the base of the exterior baghouse; and,
  - (4) Cleaning catch basins when the depth of debris reaches two-thirds of the sump depth and keeping the debris surface at least six inches below the lowest outlet pipe.
- b. Routine maintenance shall be performed to ensure BMPs are operating properly. When a BMP is not functioning to its designed effectiveness and is in need of repair or replacement:
- (1) Maintenance shall be performed before the next anticipated storm event, or as necessary to maintain the continued effectiveness of stormwater controls. If maintenance prior to the next anticipated storm event is impracticable, maintenance must be scheduled and accomplished as soon as practicable, but not more than 12 weeks after completion of the most recent routine facility inspection or the comprehensive site inspection, unless permission for a later date is granted in writing by the Department; and,
  - (2) All reasonable steps shall be taken to prevent or minimize the discharge of pollutants until the final repair or replacement is implemented, including cleaning up any contaminated surfaces so that the material will not be discharged during subsequent storm events.

#### **4. Spill Prevention and Response Procedures**

- a. The *owner or operator* must *minimize* the potential for leaks, spills and other releases that may be exposed to *stormwater* and develop plans for effective response to such spills if or when they occur in order to *minimize pollutant discharges*. At a minimum, the *owner or operator* must:
- (1) Plainly label containers (e.g., “Used Oil,” “Spent Solvents,” “Fertilizers and Pesticides”) that could be susceptible to spillage or leakage to encourage proper handling and facilitate rapid response if spills or leaks occur;
  - (2) Implement procedures for material storage and handling, including the use of secondary containment and barriers between material storage and traffic areas, or a similarly effective means designed to prevent the *discharge of pollutants* from these areas;

- (3) Where practicable, protect industrial materials and activities with a storm resistant shelter to prevent exposure to rain, snow, snowmelt, or runoff;
  - (4) Develop training on the procedures for stopping, containing, and cleaning up leaks, spills, and other releases. As appropriate, execute such procedures as soon as possible;
  - (5) Keep spill kits on-site, located near areas where spills may occur or where a rapid response can be made; and
  - (6) Develop procedures for notification of the appropriate facility personnel, emergency response agencies, and regulatory agencies when a leak, spill, or other release occurs. If possible, one of these individuals should be a member of the *stormwater* pollution prevention team (see Part III.A.1). Any spills must be reported in accordance with Part VI.A.3.
- b. Measures for cleaning up spills or leaks must be consistent with applicable petroleum bulk storage, chemical bulk storage or hazardous waste management regulations at 6 NYCRR Parts 596-599, 613 and 370-373.
  - c. This permit does not relieve the *owner or operator* of any reporting or other requirements related to spills or other releases of petroleum or hazardous substances. Any spill of a hazardous substance must be reported in accordance with 6 NYCRR 597.4. Any spill of petroleum must be reported in accordance with 6 NYCRR 613.6 or 17 NYCRR 32.3.

#### **5. Erosion and Sediment Controls**

The *owner or operator* must stabilize exposed areas and control runoff using structural and/or non-structural *control measures* to *minimize* onsite erosion and sedimentation. Erosion and Sediment Controls must be in accordance with the New York State Standards & Specification for Erosion & Sediment Control (2016). Where erosion and sediment control practices are not designed in conformance with the design criteria included in the technical standard, the *owner or operator* must demonstrate equivalence to the technical standard.

#### **6. Management of Runoff**

The *owner or operator* must divert, infiltrate, reuse, contain, or otherwise reduce *stormwater* runoff, to *minimize pollutants* in the *discharges*.

#### **7. Salt Storage Piles or Piles Containing Salt**

In order to *minimize pollutant discharges* the *owner or operator* must enclose or cover storage piles of salt, or piles containing salt, used for deicing, maintenance of paved surfaces, or for other commercial or industrial purposes. The *owner or operator* must implement appropriate measures

(e.g., good housekeeping, diversions, containment) to *minimize* exposure resulting from adding to or removing materials from the pile.

## 8. *Employee Training*

- a. The *owner or operator* must train all employees who work in areas where industrial materials or activities are exposed to *stormwater*, or who are responsible for implementing activities necessary to meet the conditions of this permit (e.g., inspectors, maintenance personnel), including all members of the *Stormwater Pollution Prevention Team*.
- b. At a minimum, all training must be conducted annually.
- c. The *owner or operator* must ensure the following personnel understand the requirements of this permit and their specific responsibilities with respect to those requirements:
  - (1) Personnel who are responsible for the design, installation, maintenance, and/or repair of *control measures*;
  - (2) Personnel responsible for the storage and handling of chemicals and materials that could become contaminants found in *stormwater discharges*;
  - (3) Personnel who are responsible for conducting and documenting monitoring and inspections as required in Part IV; and,
  - (4) Personnel who are responsible for taking and documenting corrective actions as required in Part V.
- d. Personnel identified in Part II.A.8.c must be trained in the following subjects if the subject is appropriate to the scope of their SWPPP responsibilities.
  - (1) An overview of what is in the SWPPP and the purpose of the SWPPP;
  - (2) Spill response procedures, good housekeeping, maintenance requirements and material management practices;
  - (3) How to recognize unauthorized *discharges*;
  - (4) The location of all controls on the site required by this permit, and how to evaluate their condition and maintenance needs;
  - (5) The proper procedures to follow with respect to permit's pollution prevention requirements, including sampling and reporting; and

- (6) When and how to conduct inspections, record applicable findings, and take corrective actions.

#### 9. *Non-Stormwater Discharges*

The *owner or operator* must eliminate non-stormwater discharges not authorized by a *SPDES* permit in accordance with Part I.B.2.

#### 10. *Waste, Garbage and Floatable Debris*

The *owner or operator* must ensure that waste, garbage, and floatable debris are not *discharged* to *surface waters of the state* by keeping exposed areas free of such materials or by intercepting them before they are *discharged*.

#### 11. *Dust Generation and Vehicle Tracking of Industrial Materials*

The *owner or operator* must *minimize* generation of dust and off-site tracking of raw, final, or waste materials in order to *minimize* the *pollutant discharges*.

#### 12. *Secondary Containment*

The *owner or operator* must ensure that compliance is maintained with all applicable regulations including, but not limited to, those involving releases, registration, handling and storage of petroleum, chemical bulk and hazardous waste storage facilities (6 NYCRR 596-599, 613 and 370-373).

Where it is not feasible to eliminate *discharges* from handling and storage areas, the *owner or operator* must implement the following BMPs:

- a. Loading and unloading areas shall be operated to *minimize* spills, leaks or the *discharge of pollutants* in *stormwater*. Protection such as roofs, overhangs or door skirts to enclose trailer ends at truck loading/unloading docks shall be provided as appropriate.
  - (1) During deliveries, have staff familiar with spill prevention and response procedures present to ensure that any leaks/spills are immediately contained and cleaned up; and
- b. Use of spill and overflow protection (e.g., drip pans, and/or other containment devices placed beneath fuel oil connectors to contain potential spillage during deliveries or from leaks at the connectors).
- c. All spilled or leaked substances must be removed from secondary containment systems as soon as practical and for Chemical Bulk Storage (CBS) storage areas within 24 hours of the *owner or operator* discovering the spill, unless authorization is received from the *Department*.
  - (1) The containment system must be thoroughly cleaned to remove any residual contamination which could cause contamination of *stormwater* and the resulting *discharge of pollutants* to *waters of the State*.

- (2) Following spill cleanup the affected area must be completely flushed with clean water three times and the water removed after each flushing for proper disposal in an on-site or off-site wastewater treatment plant designed to treat and permitted to *discharge* such wastewater.
- (3) The *owner or operator* shall test the first batch of *stormwater* following the spill cleanup to determine *discharge* acceptability. If the water contains no *pollutants* it may be *discharged*, otherwise it must be disposed of as noted above. (See Part IV.F.1.e for the list of parameters to be sampled.)
- d. *Stormwater* must be removed from a secondary containment system before it compromises the system's capacity. Each *discharge* may only proceed with the prior approval of the facility representative responsible for ensuring *SPDES* permit compliance. Bulk storage secondary containment drainage systems must be locked in a closed position except when the *owner or operator* is in the process of draining accumulated *stormwater*. Transfer area secondary containment drainage systems must be locked in a closed position during all transfers and must not be reopened unless the transfer area is clean of contaminants. *Stormwater discharges* from secondary containment systems should be avoided during periods of precipitation. A logbook shall be maintained on site noting, for each *discharge*:
  - o Screening method;
  - o Results of screening;
  - o Date time and volume; and,
  - o Supervising personnel.
- e. Prohibited *Discharges* - In all cases, any *discharge* which contains a visible sheen, foam, or odor, or may cause or contribute to a violation of water quality is prohibited.

## **B. Numeric Effluent Limitations**

The *owner or operator* of facilities listed in an industrial category subject to one or more of the *effluent limitations guidelines* identified in Appendix D, must meet the numeric effluent limits specified in the referenced Sector in Part VII.

## **C. Water Quality Based Effluent Limitations**

### **1. Maintaining Water Quality Standards**

- a. The *Department* expects that compliance with the other conditions of this permit will control *discharges* necessary to meet applicable water quality standards. It shall be a violation of the *Environmental Conservation Law (ECL)* for any *discharge* authorized by this general permit to either cause or contribute to a violation of water quality standards as contained in 6 NYCRR Parts 700-705.

- b. If there is evidence indicating that the *stormwater discharges* authorized by this permit are causing, have the reasonable potential to cause, or are contributing to a violation of the *water quality standards*; the *owner or operator* must take appropriate corrective action in accordance with Part V of this permit. To address the *water quality standard* violation the *owner or operator* may need to provide additional information, include and implement appropriate controls in the SWPPP to correct the problem, or obtain an *individual SPDES permit*. Failure to complete the required corrective action is a violation of this permit.
- c. In all cases, any *discharge* which contains a visible sheen, foam, or odor, or may cause or contribute to a violation of water quality is prohibited.

## 2. Impaired Waters

- a. *Discharges* to an *impaired waterbody* are not eligible for coverage under this permit if the cause of impairment is a *pollutant* of concern included in the *benchmarks* and/or numeric *effluent limitations* to which the facility is subject unless the facility:
  - (1) Prevents all exposure to *stormwater* of the *pollutant(s)* for which the waterbody is impaired; or
  - (2) Documents that the *pollutant* for which the waterbody is impaired is not present on-site; or
  - (3) Provides additional information in the SWPPP to *minimize* the *pollutant* of concern causing the impairment as specified in Part III.D.2.
- b. If conditions at the facility conform with Part II.C.2.a(1) or (2) all analysis and documentation that supports eligibility must be maintained with the SWPPP.

## D. Best Management Practices Selection and Design Considerations

The *owner or operator* must consider the following when selecting and designing *BMPs*:

- a. How to prevent *stormwater* from interacting with and contacting *pollutants* and *pollutant* sources;
- b. The use of *BMPs* in series or combination;
- c. Assessment of the type of *pollutant*, the quantity and nature of the *pollutant(s)*, and their potential to impact the water quality of receiving waters;

- d. Opportunities to combine the dual purposes of water quality protection and local flood control benefits, including physical impacts of high flows on streams (e.g., bank erosion, impairment of aquatic habitat, etc.);
- e. Opportunities to offset the impact of *impervious areas* of the facility on groundwater recharge and base flows in local streams, taking into account the potential for groundwater contamination (i.e., *hotspots*);
- f. Opportunities to attenuate flow using open vegetated swales and natural depressions;
- g. Conservation and/or restoration of the riparian buffers of streams and rivers; and,
- h. The use of treatment interceptors (e.g., swirl separators and sand filters).

## Part III – Stormwater Pollution Prevention Plans

The SWPPP documents the practices and procedures to ensure compliance with the conditions of this permit, including the selection, design, installation and maintenance of *control measures* selected to meet *effluent limitations* in Parts II and VII.

The *owner or operator* is responsible for the implementation of the SWPPP.

**Note:** The SWPPP requirements of this general permit may be fulfilled by incorporating by reference other plans or documents such as an Erosion and Sediment Control (ESC) plan, a Mined Land Use Plan, a Spill Prevention Control and Countermeasure (SPCC) plan developed for the facility or *BMP* programs otherwise required for the facility provided that the incorporated plan(s) meet or exceed the SWPPP content requirements of Part III.A and the applicable activity-specific requirements in Part VII. All plans incorporated by reference into the SWPPP become enforceable under this permit; however, this enforcement is limited only to those aspects of these other plans that are specifically referenced to provide information or practices required for the SWPPP.

### A. Contents of the SWPPP

All SWPPPs shall include, at a minimum:

#### 1. Pollution Prevention Team

Identify the individuals (by name or title) and their role, in assisting the *owner or operator* in developing, implementing, maintaining and revising the facility's SWPPP.

#### 2. General Site Description

A written description of:

- a. Industrial activities occurring in each drainage area.
- b. The name of the nearest receiving water(s), including intermittent streams and wetlands (mapped and federally regulated wetlands) that may receive *discharges* from the facility.
- c. If *stormwater* is *discharged* to an *MS4*, the SWPPP must identify the *MS4* operator and the receiving water to which the *MS4 discharges*.
- d. The flow path of *stormwater* within the facility, and the general path of *stormwater* flows between the facility and the nearest surface waterbody(ies) and/or location(s) where *stormwater* enters an *MS4*, if applicable.

- e. The run-on from adjacent properties, if present. The *owner or operator* may include an evaluation of how the quantity or quality of the *stormwater* running onto the facility impacts the facility's *stormwater discharges*.
- f. Any *discharges* that are currently covered by another *SPDES* permit at the facility (e.g., process wastewater, sanitary wastewater, non-contact cooling water, etc.)
- g. Size of the property in acres.
- h. Provide an estimate of the percent imperviousness of the site using the following formula:
 

$$\frac{(\text{Area of Roofs} + \text{Area of Paved and Other Impervious Surfaces}) \times 100}{\text{Total Area of Facility}}$$
- i. Locations of sensitive areas (e.g. *impaired waters*; listed threatened & endangered species or their critical habitat; etc.)

### 3. **Potential Pollutant Sources**

The SWPPP shall identify each area at the facility where industrial materials or activities are exposed to *stormwater* or from which authorized non-*stormwater discharges* originate, including any potential *pollutant* sources for which the facility has reporting requirements under the Emergency Planning and Community Right-To-Know Act (EPCRA), Section 313.

- a. Industrial materials or activities include: industrial machinery; raw materials; intermediate products; byproducts; final products or waste products; and, material handling activities which includes storage, loading and unloading, transportation or conveyance of any raw material, intermediate product, final product or waste product.
- b. For each separate area identified, the description must include:
  - (1) Activities - A list of the activities occurring in the area (e.g., material storage, equipment fueling and cleaning, cutting steel beams, etc.); and
  - (2) Pollutants - A list of the associated *pollutant(s)* or *pollutant* parameter(s) (e.g., crankcase oil, iron, biochemical oxygen demand, pH, etc.) for each activity. The *pollutant* list must include all *significant materials* that have been handled, treated, stored or disposed in a manner to allow exposure to *stormwater* for a period of three years before being covered under this permit.
  - (3) Potential for presence in *stormwater* - For each area of the facility that generates *stormwater discharges associated with industrial activity* a prediction of the direction of flow, and the likelihood of the *industrial*

*activity* to contaminate the *stormwater discharge*. Factors to consider include the toxicity of chemicals; quantity of chemicals used, produced or *discharged*; the likelihood of contact with *stormwater*; and history of *reportable* leaks or spills of toxic or hazardous *pollutants*.

#### 4. *Spills and Releases*

- a. The SWPPP must clearly identify areas where potential spills or releases can contribute to *pollutants* in *stormwater discharges* and their accompanying drainage points.
- b. For areas that are exposed to precipitation or that otherwise drain to a *stormwater* conveyance to be covered under this permit, the SWPPP must include a list of *reportable* spills or releases<sup>2</sup> of petroleum and hazardous substances or other *pollutants*, including unauthorized *non-stormwater discharges*, that may adversely affect water quality that occurred during the three-year period prior to the date of the submission of a NOI. The list must be updated when *reportable* spills or releases occur.
- c. Following any spill or release, the *owner or operator* must evaluate the adequacy of the BMPs identified in the facility's SWPPP. If the BMPs are inadequate, the SWPPP must be updated to identify new BMPs that will prevent reoccurrence and improve the emergency response to such releases.
- d. Document when training occurs on the procedures for stopping, containing, and cleaning up leaks, spills, and other releases.
- e. Define and document the appropriate facility personnel, emergency response agencies, and regulatory agencies to be notified when a leak, spill, or other release occurs.

#### 5. *General Location Map*

A general location map (e.g., USGS quadrangle or other map) with enough detail to identify the location of the facility and the receiving waters and locations where *stormwater* enters an *MS4*, if applicable, within one mile of the facility.

#### 6. *Site Map*

A site map identifying the following:

- a. Property boundaries and size in acres;
- b. Location and extent of significant structures (including materials shelters), and impervious surfaces;

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<sup>2</sup> This may also include releases of petroleum or hazardous substances that are not in excess of reporting quantities but which may still cause or contribute to significant water quality impairment. For example, the reportable quantity for ammonia is listed to be 100 pounds and releases well below this threshold will cause water quality impairment and must be addressed.

- c. Location of each *outfall* labeled with the *outfall* identification, including *outfalls* with *discharges* authorized under other *SPDES* permits;
- d. The approximate outline of the drainage area to each *outfall*;
- e. Locations of haul and access roads;
- f. Rail cars and tracks;
- g. Arrows showing direction of *stormwater* flow;
- h. Location of all receiving waters in the immediate vicinity of the facility, indicating if any of the waters are impaired and, if so, whether the waters have *TMDLs* established for them;
- i. Location of *MS4s* and where the *stormwater discharges* to them;
- j. Location of all *stormwater* conveyances including ditches, pipes, and swales;
- k. Locations where *stormwater* flows have significant potential to cause erosion;
- l. Location and source of run-on from adjacent property containing significant quantities of *pollutants* and/or volume of concern to the facility;
- m. Locations of the following areas where such areas are exposed to precipitation or *stormwater* run-on:
  - o Fueling stations;
  - o Vehicle and equipment maintenance and/or cleaning areas;
  - o Loading/unloading areas;
  - o Locations used for the treatment, storage or disposal of wastes;
  - o Liquid storage tanks;
  - o Processing and storage areas;
  - o Locations where significant materials, fuel or chemicals are stored and transferred;
  - o Locations where vehicles and/or machinery are stored when not in use
  - o Transfer areas for substances in bulk;
  - o Locations of potential *pollutant* sources identified under Part III.A.3;
  - o Location and description of non-*stormwater discharges* listed in Part I.B.2;
  - o Locations where major spills or leaks identified under Part III.A.4 have occurred;
  - o Locations of all *stormwater* monitoring points;

- o Locations of all existing structural *BMPs*.

## 7. *Stormwater Controls*

The SWPPP must document in writing the location and type of *BMPs* installed and implemented at the facility to achieve the non-numeric effluent limits in Part II.A and where applicable in Part VII, and the sector specific numeric *effluent limitations* in Part VII. The SWPPP shall describe how each *BMP* is being implemented for all the potential *pollutant* sources identified in Part III.A.3.

If the *owner or operator* determines that any of the *BMPs* described in Part II.A, or any sector-specific *BMPs* in Part VII, are not appropriate for the facility, a written explanation of why they are not appropriate shall be included in the SWPPP. If new or innovative *BMPs* not listed in this permit are being used, descriptions of them shall be included in this section of the SWPPP.

- a. **Good Housekeeping** - The SWPPP must describe all good housekeeping practices that are being implemented by the *owner or operator* including those described in Part II.A.2 to *minimize pollutant discharges* from all exposed areas that are potential sources of *pollutants*.
- b. **Facility inspections** - The SWPPP must describe procedures for scheduling, completing and recording results of routine and comprehensive site inspections at frequencies meeting or exceeding those specified in Part IV of this permit.
- c. **Maintenance and Repair**
  - (1) The SWPPP must describe a preventative maintenance program that includes timely inspection, maintenance and repairs of all industrial equipment and systems.
  - (2) The SWPPP must describe a preventative maintenance program that includes timely inspection, maintenance and repairs of structural and non-structural *BMPs*.
  - (3) The SWPPP must describe inspection and maintenance procedures for baghouses to prevent the escape of dust from the system and the immediate removal of accumulated dust at the base of the exterior baghouse.
  - (4) The SWPPP must include procedures for catch basin cleaning.
- d. **Spill Prevention and Response Procedures**
  - (1) The SWPPP must describe the procedures that will be followed for cleaning up spills or leaks. The procedures and necessary spill response equipment must be made available to those employees who may cause or detect a spill or leak.

- (2) The SWPPP must describe procedures for notification of the appropriate facility personnel, emergency response agencies, and regulatory agencies when a leak, spill, or other release occurs. If possible, one of these individuals should be a member of the *stormwater* pollution prevention team (see Part III.A.1).
- e. **Employee Training and Education** - The SWPPP must describe the *stormwater* training program required for individuals conducting *industrial activity* at the facility. The description must include:
  - (1) The specific training given (see Part II.A.8.d)
  - (2) The target audience (e.g. employees in positions responsible for specific tasks, club members performing engine repair, etc.).
  - (3) Identify periodic dates for such training (e.g., annually, every six months during the months of July and January). An annual signed and dated employee training log must be kept in the SWPPP.
- f. **Document Non-Stormwater Discharges** - Non-*stormwater discharges* listed in Part I.B.2 must have the following information documented:
  - (1) **Discharge Certification** - The SWPPP must include a certification that all *discharges* have been tested or evaluated for the presence of non-*stormwater discharges*. A copy of the certification must be included in the SWPPP at the facility. The certification must include:
    - (a) The date of any testing and/or evaluation;
    - (b) Identification of potential significant sources of non-*stormwater discharges* at the site;
    - (c) A description of the results of any test and/or evaluation for the presence of non-*stormwater discharges*;
    - (d) A description of the evaluation criteria or testing method used; and
    - (e) A list of the *outfalls* or on-site drainage points that were directly observed during the test.
  - (2) **Detail Non-Stormwater Discharges** - The sources of non-*stormwater discharges* listed in Part I.B.2 are authorized *discharges* under this permit provided the *owner or operator* includes the following information in the SWPPP:

- (a) Identification of each authorized non-*stormwater* source (flows from emergency/unplanned firefighting activities do not need to be identified);
  - (b) The location where the non-*stormwater discharge* is likely to occur;
  - (c) Descriptions of appropriate BMPs for each source; and
  - (d) If mist blown from cooling towers is included as one of the authorized non-*stormwater discharges* from the facility, the *owner or operator* must specifically evaluate the potential for the *discharges* to be contaminated by chemicals used in the cooling tower and must select and implement BMPs to control such *discharges* so that the levels of cooling tower chemicals in the *discharges* would not cause or contribute to a violation of an applicable water quality standard.
- g. The SWPPP must describe *BMPs* selected to eliminate *discharges* of solid materials, including waste, garbage and floating debris, to *surface waters of the State*, except as authorized by a permit issued under section 404 of the CWA.
- h. The SWPPP must describe *BMPs* selected to *minimize* off-site vehicle tracking of raw, final, or waste materials or sediments, and the generation of dust. Tracking or blowing of raw, final, or waste materials from areas of *no exposure* to exposed areas must be *minimized*.
- i. The SWPPP must describe *BMPs* selected to stabilize exposed areas and contain runoff using structural and/or non-structural *control measures* to *minimize* onsite erosion and sedimentation, and the resulting *discharge* of *pollutants*.
  - (1) The SWPPP shall identify areas at the facility which, due to topography, land disturbance (e.g., construction) or other factors, have potential for significant soil erosion.
  - (2) The SWPPP must identify structural, vegetative, and/or stabilization *BMPs* that will be implemented to limit erosion.
  - (3) Velocity dissipation devices (or equivalent measures) must be placed at *discharge* locations and along the length of any *outfall* channel if they are necessary to provide a non-erosive flow velocity from the structure to a water course.
  - (4) The SWPPP must contain adequate details to demonstrate that controls conform to the New York Standards and Specifications for

Erosion and Sediment Control (2016), or equivalent. This document is available at: <http://www.dec.ny.gov>

- j. The SWPPP shall describe the traditional *stormwater* management practices (permanent structural *BMPs*) that currently exist or that are planned for the facility. These types of *BMPs* are typically used to divert, infiltrate, reuse, or otherwise reduce *pollutants* in *stormwater discharges* from the site. Examples of *BMPs* that could be used include but are not limited to: *stormwater* detention structures (including wet ponds); green infrastructure practices; *stormwater* retention structures; flow attenuation by use of open vegetated swales and natural depressions; and onsite infiltration of runoff.

The SWPPP shall provide that all *stormwater* management practices that the *owner or operator* determines to be reasonable and appropriate, or are required by a *State* or local authority, shall be implemented and maintained. Factors for the *owner or operator* to consider when selecting appropriate *BMPs* should include:

- (1) The industrial materials and activities that are exposed to *stormwater*, and the associated *pollutant* generating potential of those materials and activities; and
  - (2) The beneficial and potential detrimental effects on surface water quality, ground water quality, receiving water base flow (dry weather stream flow), and physical integrity of receiving waters. Structural measures shall be placed on upland soils, avoiding wetlands and floodplains, if possible. Structural *BMPs* may require a separate permit under section 404 of the CWA before installation begins.
- k. The SWPPP must document that all storage piles of salt used for deicing or other commercial or industrial purposes are enclosed or covered to prevent exposure to precipitation, except during active operations to add or remove materials from the pile.

For a salt storage facility, the SWPPP must document all good housekeeping measures in place to assure that salt spilled during transfer and spilled or tracked along haul and access roads is removed and returned to the covered storage pile.

- l. The SWPPP must document the location and type of *BMPs* installed and implemented at the facility to achieve the non-numeric effluent limits stipulated in Part II.A and any relevant sector-specific section(s) of Part VII of this permit.

- m. The SWPPP must document the location and type of BMPs installed and implemented at the facility to achieve and address any applicable effluent limitations based in the activity-specific section(s) of Part VII, which are summarized in the table in Appendix D of this permit.

#### **8. Monitoring and Sampling Data**

The SWPPP must include:

- a. A summary of existing *stormwater discharge* sampling data taken at the facility;
- b. Chain of Custody Records for samples collected and transported to an approved laboratory;
- c. Laboratory reports of results of sample analysis;
- d. Quarterly Visual Monitoring Reports;
- e. Copies of semi-annual *Discharge Monitoring Reports (DMRs)*;
- f. Copies of *Annual Certification Reports (ACR)*;
- g. A summary of all *stormwater* sampling data collected during the term of this permit;
- h. Any monitoring waivers that have been claimed.

#### **9. Copy of Permit Requirements**

The *owner or operator* must maintain a copy of the permit with the SWPPP. The NOI Authorization Letter and all NOIs (including modifications) must be maintained with the SWPPP.

#### **10. Inspection Schedule & Documentation**

The SWPPP shall contain the schedule for conducting inspections and all documentation resulting from the inspection.

#### **11. Corrective Action Documentation**

The SWPPP shall contain all corrective action documentation as detailed in Part V.C.

### **B. SWPPP Preparer**

- 1. The Owner or Operator shall have a *qualified person* prepare the SWPPP. . This plan does not necessarily have to be developed or certified by a licensed Professional Engineer; however all components of the SWPPP that involve the practice of engineering, as defined by the NYS Education Law (see Article 145), shall be prepared by, or under the direct supervision of a professional engineer licensed to practice in the State of New York.

2. Erosion and Sediment Control plans needed to stabilize exposed areas and control runoff per Part II.A.5 or to meet sector specific requirements shall be prepared by, a *qualified person* who is knowledgeable in the principles and practices of erosion and sediment control.
3. The design of post-construction *stormwater* management controls as defined in the SPDES General Permit for *Stormwater Discharges from Construction Activity (GP-0-15-002)*, needed to manage runoff per Part II.A.6 or meet sector specific requirements shall be prepared by a *qualified professional*.

### C. Signature and Stormwater Pollution Prevention Plan Availability

1. Signature/Location - The SWPPP shall be signed in accordance with Appendix H.8 and retained on-site at the facility in accordance with Parts III.A.9 and VI.C. For inactive facilities, the SWPPP may be kept at the nearest office of the *owner or operator*. Failure to keep a copy of the SWPPP as specified above is a violation of the permit.
2. Availability
  - a. The *owner or operator* must make a copy of the SWPPP available to the *Department* for review at the time of an on-site inspection.
  - b. The *owner or operator* must furnish a copy of the SWPPP within five (5) business days of a Department request in accordance with Appendix H.6.
  - c. The *owner or operator* must make a copy of the SWPPP available to the public within fourteen (14) days of receipt of a written request. Copying of documents will be done at the requester's expense. (Note: A facility may withhold justifiable portions of the SWPPP from public review that contain trade secrets, confidential commercial information or critical infrastructure information in accordance with 6 NYCRR 616.7 and 750-1.22).

### D. Special SWPPP Requirements

The following additional requirements are applicable for each special circumstance:

1. *Stormwater discharges* into or through *MS4s*.
  - a. Facilities covered by this permit must comply with applicable requirements in municipal *stormwater* management programs developed under the *SPDES* permit issued for the *discharge* from the *MS4* that receives the facility's *discharge*, provided that the *owner or operator* has been notified of such conditions.
  - b. *Owners or operators* that *discharge* through an *MS4*, or a municipal system designated by the *Department* shall make their SWPPP available to the municipal operator of the *MS4* upon request.

2. *Stormwater discharges* associated with *industrial activity* to *impaired waterbodies*.

Facilities that are discharging to an *impaired waterbody* and the cause of the impairment is a *pollutant* of concern included in the *benchmarks* and/or numeric effluent limitations (see Appendix G) to which the facility is subject must include the following in their SWPPP:

- a. Identification of *Impaired Waterbody* – Identify any *impaired waterbody* that may receive *stormwater discharges associated with industrial activity* from the facility and the cause of the waterbody's impairment.
- b. *Pollutant(s) of Concern* – A list of *pollutant(s)* or *pollutant parameter(s)* that have been handled, treated, stored or disposed of in a manner that would create the reasonable potential for the *pollutant* of concern causing the impairment to be *discharged*.
- c. Potential for Presence in *Stormwater* – Identify each area of the facility that generates *stormwater discharges associated with industrial activity* with a reasonable potential to *discharge* the *pollutant(s)* of concern. Factors to consider include the likelihood of the *industrial activity* producing the *pollutant(s)* of concern to have contact with *stormwater* and a history of *reportable* leaks or spills that could result in the *pollutant(s)* of concern being *discharged* to the *impaired waterbody*.
- d. *Stormwater Controls* – The SWPPP shall include a description of the type and location of existing and planned *BMPs* selected for each of the areas where the *pollutant(s)* of concern are exposed to *stormwater*. *BMPs* shall be selected to *minimize* the *pollutant(s)* of concern from being *discharged* to the *impaired waterbody* and should take into consideration all *stormwater* controls listed in Part III.A.7. The SWPPP shall describe how each *BMP* will be implemented for all the areas where the *pollutant(s)* of concern will be exposed to *stormwater*.

## E. Keeping SWPPPs Current

The *owner or operator* shall amend the SWPPP whenever:

1. There is a change in design, construction, operation, or maintenance at the facility which may have an effect on the potential for the *discharge* of *pollutants* from the facility which has not otherwise been addressed in the SWPPP; or
2. It is found to be ineffective in eliminating or significantly minimizing *pollutants* from sources identified under Part III.A.3 or is otherwise not achieving the goals or requirements of this permit. The SWPPP shall be modified, and additional monitoring and analysis shall be completed as follows:

a. SWPPP Modifications

- (1) Maps or description of industrial activities – If the SWPPP has been found to be inaccurate or incomplete, modifications must be completed to correct the deficiencies identified.
- (2) *Stormwater* controls - The modification must identify the corrective actions needed and include a schedule for the implementation with a final date no later than 12 weeks unless the *Department* approves additional time in writing.
- (3) Additional inspections monitoring and/or analysis - If the results of inspections, monitoring and/or analysis reveal a violation of this permit, a failure to maintain eligibility for coverage under this permit or a failure to comply with the *benchmarks* or other action levels in this permit, additional inspections, monitoring and/or laboratory analysis of *stormwater* samples may be required. Such requirements are set forth in the applicable Parts.

## Part IV – Inspections and Monitoring

### A. Comprehensive Site Compliance Inspection & Evaluation

The *owner or operator* shall conduct a comprehensive site compliance inspection at least once per year. The inspections must be done by a *qualified person* who may be either a facility employee or outside consultant hired by the facility. The inspector must be familiar with the *industrial activity*, the *BMPs*, the SWPPP, and must possess the skills to assess conditions at the facility that could impact *stormwater* quality and assess the effectiveness of the *BMPs* that have been chosen to control the quality of the *stormwater discharges*. If more frequent inspections are conducted, the SWPPP must specify the frequency of inspections.

#### 1. Scope of the Compliance Inspection & Evaluation

- a. Inspections must include all areas where industrial materials or activities are exposed to *stormwater*, as identified in Part III.A.3, and areas where unauthorized discharges spills and leaks have occurred within the past three years. At a minimum the inspection shall identify or include:
  - (1) Industrial materials, residue or trash on the ground that could contaminate or be washed away in *stormwater*;
  - (2) Leaks or spills from industrial equipment, drums, barrels, tanks or similar containers;
  - (3) Examination of all *outfall* locations, to determine the presence of unauthorized non-*stormwater discharges* or authorized non-*stormwater discharges* that are not certified in accordance with Part III.A.7(f)(1);
  - (4) Off-site tracking of industrial materials or sediment where vehicles enter or exit the site;
  - (5) Tracking of material away from the area where it originates including from areas of *no exposure* to exposed areas;
  - (6) Evidence of, or the potential for, *pollutants* entering or discharging from the drainage system;
  - (7) Inspection of areas found to be the source of *pollutants* observed during visual and analytical monitoring done during the year;
  - (8) *Stormwater* BMPs identified in the SWPPP must be observed to ensure that they are operating correctly.

- b. If the Comprehensive Site Compliance Inspection indicates the presence of *stormwater* pollution (e.g., color, odor, floating solids, settled solids, suspended solids, foam, oil sheen, or other indicators), the *owner or operator* must, implement corrective actions in Part V.

## **2. Compliance Inspection & Evaluation report**

- a. A compliance inspection & evaluation report must be made and retained as part of the SWPPP for a period of at least five (5) years from the date of the report. At a minimum, the report must include:
  - (1) The scope of the inspection (Part IV.A.1),
  - (2) The name(s) of the person(s) conducting the inspection,
  - (3) The date(s) of the inspection,
  - (4) Weather information at the time of the inspection,
  - (5) Major observations relating to the implementation of the SWPPP, including:
    - (a) The location(s) of *discharges of pollutants* from the site;
    - (b) The location(s) of previously unidentified *discharges of pollutants* from the site;
    - (c) Any evidence of, or the potential for, pollutants entering the drainage system;
    - (d) The source of any discharges and actions taken to address newly identified authorized non-stormwater discharges or elimination of non-authorized discharges;
    - (e) Location(s) of BMPs that need to be maintained;
    - (f) Location(s) of BMPs that failed to operate as designed or proved inadequate for a particular location;
    - (g) Location(s) where additional BMPs are needed that did not exist at the time of inspection;
    - (h) Any incidents of noncompliance. Where an inspection does not identify any incidents of noncompliance, the report shall contain a certification that the facility is in compliance with the SWPPP and this permit;

- (i) Observations regarding the physical condition of and around all outfalls, including any flow dissipation devices; and evidence of pollutants in discharges and/or the receiving water; and,
  - (j) The required corrective actions to be implemented in accordance with Part V.
- b. Credit as a Routine Facility Inspection - Where compliance inspection schedules overlap with routine inspections required under Part IV.B, the comprehensive site compliance inspection may be used as one of the routine inspections.

## **B. Routine Inspections of BMPs**

1. In addition to or as part of the comprehensive site inspection, a *qualified person* must perform routine inspections which include all areas of the facility where industrial materials or activities are exposed to precipitation or *stormwater runoff*. The inspection frequency shall be on a quarterly basis or as specified in the facility's applicable industrial sector in Part VII.
2. The routine inspection must evaluate the performance of *stormwater* BMPs described in the SWPPP.
3. The routine inspection shall be documented and shall be kept with the SWPPP.
4. Any deficiencies in the implementation and/or adequacy of the BMPs must be documented. The required corrective actions must be implemented in accordance with Part V.

## **C. Annual Dry Weather Flow Inspection**

In addition to or as part of the Comprehensive Site Compliance Inspection (Part IV.A), a qualified person must perform an annual dry weather flow inspection and update the non-stormwater discharge certifications (Part III.A.7.f (1)). The requirements and procedures for the annual dry weather flow inspection are applicable to all facilities covered under this permit, regardless of the facility's sector of industrial activity.

1. The *owner or operator* must perform and document at least one dry weather flow inspection each year after at least three (3) consecutive days of no precipitation. The annual dry weather flow inspection shall be conducted to determine the presence of non-stormwater *discharges* to the stormwater drainage system.
2. The annual dry weather flow inspection shall be documented in an inspection report which must include the *outfall* locations, the inspection date and time, inspector name, description of *discharges* identified, the source of any

*discharges* and actions taken to address any newly identified allowable non-stormwater *discharges* or elimination of non-authorized *discharges*.

3. If a non-stormwater discharge not previously certified in accordance with Part III.A.7.f (1) is discovered the *owner or operator* must implement corrective actions in Part V.B.
4. The dry weather flow inspection report and updated non-stormwater discharge documentation required by Part III.A.7.f (1) must be retained on-site with the SWPPP.

#### **D. Collection and analysis of samples**

Samples must be collected as follows:

##### **1. When to Sample**

A sample must be taken of the *stormwater discharge* resulting from a *qualifying storm event* with at least 0.1 inch of precipitation (defined as a *measurable storm event*), providing the interval from the preceding measurable storm is at least 72 hours. Each outfall must be sampled except for any outfall for which the facility has claimed a representative outfall waiver in accordance with Part IV.G.3. In the case of snowmelt, samples must be taken during a period with a *discharge* from the site.

The sample must be taken during the first 30 minutes (or as soon as practical, but not to exceed one hour) of the *discharge* at the *outfall*. If the sampled *discharge* mixes with non-stormwater water, the *owner or operator* must attempt to sample the *stormwater discharge* prior to mixing.

##### **2. Sample Analysis**

- a. Monitoring and analysis must be conducted according to test procedures approved under 40 CFR Part 136, or equivalent, unless other test procedures have been specified in this permit.
- b. Any laboratory test or sample analysis required by this permit for which the *State Commissioner of Health* issues certificates of approval pursuant to section 502 of the Public Health Law shall be conducted by a laboratory that has been issued a certificate of approval (ELAP certified).
- c. The laboratory sample analysis reports must be kept with the SWPPP.

##### **3. Storm event data**

The storm event must be documented using the Storm Event Data Form provided by the *Department*. The Storm Event Data Form must be kept with the SWPPP.

#### 4. Secondary Containment Screening and Sampling

Prior to each *discharge*<sup>3</sup> from a secondary containment system the *stormwater* must be screened for contamination. (Note: All *stormwater* must be inspected for visible evidence of contamination.) Additional screening methods shall be developed by the *owner or operator* as part of the overall BMP Plan (e.g., the use of volatile gas meters to detect the presence of gross levels of gasoline or volatile organic compounds). If the screening indicates contamination, the *owner or operator* must collect and analyze a representative sample<sup>4</sup> of the *stormwater*. If the sample contains no *pollutants*, the *stormwater* may be *discharged*. Otherwise it must either be disposed of in an onsite or off-site wastewater treatment plant designed to treat and permitted to *discharge* such wastewater. The first discharge following any cleaned up spill or leak must be sampled regardless of the screening results.

#### E. Quarterly Visual Monitoring

The requirements and procedures for quarterly visual monitoring are applicable to all facilities covered under this permit, regardless of the facility's *industrial activity*

1. The monitoring must be made at least once in each of the following quarters:
  - o January 1<sup>st</sup> through March 31<sup>st</sup>,
  - o April 1<sup>st</sup> through June 30<sup>th</sup>,
  - o July 1<sup>st</sup> through September 30<sup>th</sup>, and
  - o October 1<sup>st</sup> through December 31<sup>st</sup>
2. All samples must be collected from *discharges* resulting from a *qualifying storm event*, in accordance with Part IV.D.1.
3. The *owner or operator* must perform and document quarterly visual monitoring of a *stormwater discharge* associated with *industrial activity* from each *outfall* on the *Department* provided form and included with the SWPPP unless:
  - a. A waiver is submitted in accordance with Part IV.G, or
  - b. There is no *discharge* from a *qualifying storm event* during a monitoring period. If no *qualifying storm event* resulted in runoff from the facility during a monitoring quarter, documentation must be included with the

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<sup>3</sup> Note: Discharge includes stormwater discharges and snow and ice removal. If applicable, a representative sample of snow and/or ice should be collected and allowed to melt prior to assessment.

<sup>4</sup> If the stored substance is gasoline or aviation fuel then sample for oil & grease, benzene, ethylbenzene, naphthalene, toluene and total xylenes (EPA method 602). If the stored substance is kerosene, diesel fuel, fuel oil, or lubricating oil then sample for oil & grease and polynuclear aromatic hydrocarbons (EPA method 610). In all cases an estimated discharge volume and pH monitoring is required.

SWPPP. If a visual examination was performed and the storm event was later determined not to be a measurable storm event, the visual examination must be included with the SWPPP.

4. When the *outfall discharges* directly to the *surface waters of the State*, the *discharge* must be inspected to see whether *BMPs* are effective in preventing significant impacts to receiving waters.
5. Laboratory sample analysis is not necessary to fulfill the visual monitoring requirements.
6. If the visual monitoring indicates the presence of *stormwater* pollution (e.g., color, clarity, odor, floating solids, settled solids, suspended solids, foam, oil sheen, or other indicators), the *owner or operator* must implement corrective actions in Part V.

## F. Monitoring Requirements

The monitoring requirements that apply to a facility depends on the types of industrial activities generating *stormwater* runoff. The *owner or operator* must review this Part and Part VII as well as Appendices C, D, E and G of this permit to determine which monitoring requirements apply to each individual *outfall*.

- o At facilities where more than one *industrial activity* occurs, monitoring requirements apply for all parameters specific to those industrial activities.
- o Where more than one numeric limitation for a specific parameter applies to a *discharge*, compliance with the more restrictive limitation is required.
- o Where monitoring requirements for a monitoring period overlap (e.g., need to monitor TSS twice/year for numeric effluent limitation monitoring and also twice/year for *benchmark monitoring*), a single sample will satisfy both monitoring requirements.

### 1. Types of Pollutant Monitoring

- a. *Benchmark Monitoring* is intended to provide a guideline for the *owner or operator* to determine the overall effectiveness of the SWPPP in controlling the *discharge of pollutants* to receiving waters. The requirements for *benchmark monitoring* apply to *discharges* associated with specific industrial activities identified in Part VII (summarized in Appendix C).
- b. *Numeric Effluent Limitation Monitoring* – Activity specific effluent limitations specified in Part VII (summarized in Appendix D).
- c. *Discharges to Impaired Waterbodies* – If a facility *discharges* to an *impaired waterbody* and the cause of impairment is a *pollutant* of concern included in the benchmarks and/or numeric effluent limitations to which

the facility is subject to in Part VII, the facility is required to conduct the additional sampling requirements detailed in Part IV.F.2 for that particular *pollutant(s)* only. The compliance monitoring for *discharges* to impaired waterbodies is in addition to any applicable sector specific *Benchmark Monitoring* in Part IV.F.1.a and Numeric Effluent Limit Monitoring in Part IV.F.1.b. A summary of the applicable benchmarks and/or numeric effluent limits associated with the *pollutant* of concern to an *impaired waterbody* and their applicable sector is located in Appendix G.

- d. Coal Pile Runoff Monitoring - Facilities with *discharges* of *stormwater* from coal storage piles must comply with the limitations and monitoring requirements of Table IV.3 for all *discharges* containing the coal pile runoff, regardless of the facility's sector of *industrial activity*.
- e. Secondary Containment at Storage and Transfer Areas - Unless the *discharge* from any containment system outlet is permitted by an *individual SPDES permit* as an *outfall* with explicit effluent and monitoring requirements, the *owner or operator* shall monitor the outlet as follows:
  - (1) Storage Area Secondary Containment Systems - The volume of each *discharge* from each outlet must be monitored. A representative sample shall be collected of the first *discharge* following any cleaned up spill or leak. The sample must be analyzed for pH, the substance(s) stored within the containment area and any other *pollutants* the *owner or operator* knows or has reason to believe are present.
  - (2) Transfer Area Secondary Containment Systems - The first *discharge* following any spill or leak must be sampled for flow, pH, the substance(s) transferred in that area and any other *pollutants* the *owner or operator* knows or has reason to believe are present.

## 2. Frequency and Timing of Monitoring

The monitoring requirements for each type of monitoring are provided in Table IV.1 below:

| Table IV.1<br>Monitoring Requirements                                                 |                    |             |                            |
|---------------------------------------------------------------------------------------|--------------------|-------------|----------------------------|
| Type of Monitoring                                                                    | Applicability      | Frequency   | Reported to the Department |
| Quarterly Visual Monitoring                                                           | All Facilities     | Quarterly   | No                         |
| <i>Benchmark Monitoring, Numeric Effluent Limitation Monitoring, Coal Pile Runoff</i> | Sector Specific    | Semi-Annual | Yes                        |
| Secondary Containment at Storage and Transfer Areas                                   | Sector Specific    | As needed   | No                         |
| <i>Discharges to Impaired Waterbodies</i>                                             | Waterbody Specific | Quarterly   | Yes                        |

The monitoring periods for required monitoring are provided in the Table IV.2 below:

| Table IV.2<br>Monitoring Periods |                                                                       |
|----------------------------------|-----------------------------------------------------------------------|
| Monitoring Frequency             | Monitoring Periods                                                    |
| Semi-Annual                      | Period 1 - January 1 <sup>st</sup> through June 30 <sup>th</sup>      |
|                                  | Period 2 - July 1 <sup>st</sup> through December 31 <sup>st</sup>     |
| Quarterly                        | Quarter 1 – January 1 <sup>st</sup> through March 31 <sup>st</sup>    |
|                                  | Quarter 2 – April 1 <sup>st</sup> through June 30 <sup>th</sup>       |
|                                  | Quarter 3 – July 1 <sup>st</sup> through September 30 <sup>th</sup>   |
|                                  | Quarter 4 – October 1 <sup>st</sup> through December 31 <sup>st</sup> |

- a. If a facility's permit coverage was effective less than two months from the end of a monitoring period, monitoring begins with the next monitoring period.
- b. If a facility is inactive for an entire monitoring period, it may claim a waiver in accordance with Part IV.G.

### 3. *Monitoring Requirements*

- a. The *owner or operator* must perform and document monitoring of *stormwater discharges* associated with *industrial activity* from each *outfall* during the monitoring periods listed in Table IV.2 unless:
  - (1) A waiver applicable to the specific type of monitoring is submitted in accordance with Part IV.G, or
  - (2) There is no *discharge* from a *qualifying storm event* during a monitoring period. If no *qualifying storm event* resulted in runoff from the facility during a monitoring period, documentation must be included with the SWPPP.

If a monitoring sample is collected during a storm event that is later determined not to be a qualifying storm event, the results should be included with the SWPPP.
- b. Collection and analysis of samples must be done in accordance with Part IV.D.
- c. Evaluation of Results of Analysis - The *owner or operator* must refer to the tables found in the individual sectors in Part VII for *benchmark monitoring cut-off concentrations* and numeric effluent limitations.
  - (1) An exceedance of a Benchmark cut-off concentration is not a permit violation. The exceedance(s) requires the *owner or operator* to evaluate potential sources of *stormwater* contaminants at the facility and perform corrective actions in accordance with Part V.
  - (2) An exceedance of a Numeric *Effluent Limitation* is a permit violation. If there is an exceedance of one or more parameters the *owner or operator* must perform corrective actions in accordance with Part V.
- d. Recording and Reporting Results
  - (1) Results of Benchmark and Numeric Effluent Limitation monitoring, (including coal pile runoff monitoring), must be reported to the *Department* using a *Discharge Monitoring Report (DMR)* and included with the SWPPP.
  - (2) Results of monitoring of *discharges* from secondary containment systems must be included with the SWPPP, but are not reported to the *Department*.
- e. For monitoring of Coal Pile Runoff, the *owner or operator* must refer to Table IV.3 for numeric effluent limitations.

| Table IV.3                               |                        |                      |             |
|------------------------------------------|------------------------|----------------------|-------------|
| Numeric Limitations for Coal Pile Runoff |                        |                      |             |
| Parameter                                | Limit                  | Monitoring Frequency | Sample Type |
| Total Suspended Solids (TSS)             | 50 mg/l, daily max     | Semi-Annual          | Grab        |
| pH                                       | 6.0 - 9.0 min. and max | Semi-Annual          | Grab        |

(1) The coal pile runoff must not be diluted with *stormwater* or other flows in order to meet this limitation.

(2) If a facility is designed, constructed and operated to treat the volume of coal pile runoff that is associated with a 10-year, 24-hour rainfall event, any untreated overflow of coal pile runoff from the treatment unit is not subject to the 50 mg/L limitation for total suspended solids.

### G. Monitoring Waivers

Unless stated otherwise, the following waivers may be applied to any monitoring required under this permit.

1. Adverse Climatic Conditions Waiver - Adverse weather conditions are those that are dangerous or create inaccessibility for personnel. This waiver may be claimed if the only qualifying storm event(s) in a monitoring period created dangerous conditions for personnel, created conditions which made the sample location inaccessible or made collection of a sample impossible. Examples of these conditions include but are not limited to local flooding, high winds and electrical storms. This waiver may not be claimed to indicate that samples were not collected due to inconvenient timing of storms or other failures to collect *stormwater* samples.

If the Adverse Climatic Conditions Waiver is claimed, an Adverse Climatic Conditions Waiver Form must be signed and submitted to the *Department* with any associated *ACR* or *DMR* in accordance with Appendix H.8 and included with the SWPPP.

2. Inactive and unstaffed sites - An annual Comprehensive Site Inspection (Part IV.A) can be waived at a facility that is inactive and unstaffed for the entire monitoring period if no industrial materials or activities are exposed to *stormwater*. Facilities covered under Sector J are not required to meet the requirement that no materials are exposed to *stormwater*; however adequate *stormwater* controls must be in place to prevent migration of contaminated *stormwater* to surface water. To claim this waiver, the *owner or operator* must:

- a. Maintain a certification with the SWPPP stating the dates the site is inactive and unstaffed;
  - b. Perform and document a Comprehensive Site Inspection prior to shut down. The inspection report must be included in the SWPPP. The certification must include the results of this inspection; and,
  - c. Complete an Inactive or Unstaffed Waiver Form. When this waiver is being claimed, the waiver form must be signed and submitted with each ACR or DMR and be included with the SWPPP.
3. Representative outfalls - If a facility has two or more *outfalls* that have substantially identical *discharges*, the *owner or operator* may sample the *discharge* of one of the *outfalls* and report that the analytical data also applies to the substantially identical *outfall(s)*. Whether or not *discharges* are substantially identical is determined by the similarity of the industrial activities and exposed materials occurring within the drainage area of each *outfall*.
- a. The *owner or operator* must collect a sample from the anticipated "worst case" *outfall*. This is determined by looking at the following indicators:
    - (1) Size of drainage area;
    - (2) Level of *industrial activity*;
    - (3) Amount of exposed industrial materials.
  - b. A representative *outfall* waiver may not be claimed at *outfalls* with *discharges* associated with different industrial activities. This representative *outfall* waiver applies to quarterly visual monitoring and *benchmark monitoring*. It cannot be claimed for compliance monitoring for *discharges* subject to *effluent limitation guidelines* or to *discharges* to *impaired waters*.
  - c. When this waiver is being claimed, the *owner or operator* must submit a completed Representative Outfall Waiver Form with the NOI and keep it with the SWPPP.
  - d. If there is an event that triggers corrective actions at an *outfall* that represents other substantially identical *outfalls*:
    - (1) corrective actions must be completed for all *outfalls* covered by the waiver;

- (2) The representative outfall waiver is suspended and quarterly visual monitoring and benchmark monitoring of the substantially identical outfalls shall commence immediately; and,
- (3) Unless otherwise notified by the Department, the representative outfall waiver again applies when:
  - (a) The results of two consecutive monitoring periods reported to the Department show that all outfall have had no exceedances of benchmark monitoring cut-off concentrations for all parameters; and,
  - (b) The owner or operator submits a new Representative Outfall Waiver Form to the Department.

## Part V - Corrective Actions

Failure to document and take the necessary corrective actions are violations of the permit. Continued exceedance of benchmark cut-off concentrations and/or numeric effluent limitations may identify facilities that would be more appropriately covered under an *individual SPDES permit*. If there is an exceedance of either a benchmark or numeric effluent limit at an outfall where a representative outfall waiver has been claimed, the waiver no longer applies and corrective actions must be performed on all outfalls covered by the waiver (Part IV.G.3.d).

### A. For Stormwater Discharges

When the visual examination indicates the presence of pollution or when the benchmark or numeric effluent limit sample results indicate exceedances of the *pollutants*, the *owner or operator* must:

1. Inspect the facility for potential sources of *stormwater* contamination and/or causes of the exceedance to numeric limits;
5. Implement additional non-structural and/or structural BMPs to address any sources of contamination that are identified to prevent recurrence within the following timeframes:
  - a. The implementation must be completed before the next anticipated storm event, if practicable, but not more than 12 weeks after discovery.
  - b. If implementation will take longer than 12 weeks, the *owner or operator* must submit a proposed schedule for completion of the project and obtain a written approval from the *Regional Water Engineer (Appendix F)*
6. Revise the facility's SWPPP in accordance with Part III.E; and,
7. Continue efforts to implement additional BMPs at the facility if corrective actions do not result in achieving *benchmark monitoring cut-off concentrations* and/or numeric effluent limitations.

### B. For Non-Stormwater Discharges

1. If a non-*stormwater discharge* is discovered the *owner or operator* must:
  - a. Identify its source and determine whether it is an authorized *discharge*.
    - (1) Upon determination that the *discharge* is not covered under this permit or another SPDES permit, the *owner or operator* shall notify the Regional Water Engineer (Appendix F), of the unauthorized *discharge* and begin immediate actions to eliminate the *discharge*. These actions must be documented in the SWPPP.

- b. Upon determination that the *discharge* is an authorized non-*stormwater discharge* identified in Part I.B.2 that were not previously certified in accordance with Part III.A.7.f (1), the *owner or operator* shall update the discharge certification and keep with the SWPPP.

### C. Corrective Action Documentation

Owners or operators must document the existence of any of the conditions listed in Parts V.A or V.B within 24 hours of becoming aware of such condition. Unless required by Part VI.A.2.b or as requested by the Department, the corrective action documentation is not required to be submitted and should be kept with the facility's SWPPP. Include the following information in your documentation:

- a. A description of the condition triggering the need for corrective actions. For any spills or leaks, include the following information: a description of the incident including material, date/time, amount, location, and reason for spill, and any leaks, spills or other releases that resulted in discharges of pollutants to waters of the state, through stormwater or otherwise;
- b. Date the condition was identified;
- c. The date when each corrective action was initiated and completed (or is expected to be completed);
- d. A description of the corrective actions to minimize or prevent the discharge of pollutants. For any spills or leaks, include response actions, the date/time clean-up completed, notifications made, and staff involved. Also include any control measures taken to prevent the reoccurrence of such releases (see Part II.A.4); and
- e. A statement, signed and certified in accordance with Appendix H.8.

## Part VI – Reporting and Retention of Records

### A. Reporting to the *Department*

#### 1. *Annual Certification Report (ACR)*

- a. An *owner or operator* of a facility must submit an ACR, which is signed in accordance with Appendix H.8, to the *Department*.
  - (1) Prior to December 20, 2020, the *owner or operator* may elect to submit the ACR by mailing a paper form to the address listed in Part VI.A.4 or by using the *Department's* online ACR.
  - (2) Beginning December 21, 2020 and in accordance with the EPA's *NPDES* Electronic Reporting Rule, the *owner or operator* must submit the ACR electronically using the *Department's* online ACR. Both versions of the ACR are located on the *Department's* website (<http://www.dec.ny.gov/>).
- b. The ACR is the primary mechanism for reporting compliance with permit conditions to the *Department*. Every facility covered by this general permit must complete and submit an ACR form in accordance with the deadlines below:
  - (1) Owners or operators must complete and submit an ACR covering January 1 to December 31. This ACR must be received by the Department on an annual basis by January 28 of the following calendar year except:
    - (a) For facilities whose initial permit coverage is effective prior to October 1 of a calendar year, the initial ACR will cover the effective coverage date to December 31. This initial ACR must be received by the Department by January 28 of the following calendar year. Subsequent ACRs must be submitted in accordance with Part VI.A.1.b.(1).
    - (b) For facilities whose initial permit coverage is effective after October 1 of a calendar year, the initial ACR will cover January 1 to December 31 of the following calendar year. This initial ACR must be received by the Department by January 28 of the next year. Subsequent ACRs must be submitted in accordance with Part VI.A.1.b.(1).

#### 2. *Discharge Monitoring Report (DMR)*

- a. The owner or operator with Benchmark and/or Numeric Effluent Limitation monitoring requirements shall electronically submit the results of the analysis using EPA's electronic DMR reporting system. All DMRs must be

received by the Department 28 days after the end of the monitoring period. Monitoring periods can be found in Table IV.1.

- b. Using forms provided by the Department, the owner or operator must report the following information when there is an exceedance of a numeric effluent limit (non-compliance event) or exceedance of a benchmark cutoff concentration of the impairing POC for discharges to impaired waterbodies:

- (1) Description of the exceedance and its cause
- (2) Corrective actions taken to address the exceedance
- (3) Preventative (long term) corrective actions taken including any SWPPP modifications to prevent a future exceedance.
- (4) Corrective actions taken for all outfalls claiming the representative outfall waiver.

### **3. Additional reporting**

- a. In addition to filing the ACRs and DMRs with the Department, and upon request of the MS4 Operator, owners or operators with at least one stormwater discharge associated with industrial activity through the MS4, must submit signed copies of ACRs and DMRs for those outfalls to the MS4 Operator.
- b. Any spill of a hazardous substance must be reported in accordance with 6 NYCRR 597.4. Any spill of Petroleum must be reported in accordance with 6 NYCRR 613.6 or 17 NYCRR 32.3. Notification must be reported to the NYSDEC Spills hotline (1-800-457-7362) within two hours after discovery. Additional notifications may be required for Federal level notification through the National Response Center (NRC) at 1-800-424-8802. Where a release of Hazardous Substances or Petroleum enters an *MS4*, the *owner or operator* shall also notify the *owner* of the *MS4* within 2 hours after discovery.

### **4. Mailing Address**

Paper submissions of reports or waivers allowed by this permit or regulation must be submitted to:

Stormwater Compliance Coordinator  
NYSDEC, Bureau of Water Compliance  
625 Broadway  
Albany, New York 12233-3506

## B. Monitoring Reporting Submission Deadlines

Every facility covered by this general permit must complete and submit all applicable monitoring reports by the submission deadlines listed in the table below.

| Table VI.1<br>Monitoring/Report Submission Deadlines                                                                        |                                                                                                                                                                                                                              |
|-----------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Monitoring type                                                                                                             | Submission Deadline                                                                                                                                                                                                          |
| Visual Monitoring                                                                                                           | Retain documentation on-site with SWPPP.                                                                                                                                                                                     |
| Comprehensive Site Compliance Inspection                                                                                    | Retain documentation on-site with SWPPP.                                                                                                                                                                                     |
| <i>Annual Certification Report</i>                                                                                          | Report must be received in the <i>Department's</i> Central Office no later than January 28 of the year following the reporting period. (See Part VI.A.1)                                                                     |
| <i>Benchmark Monitoring, Coal Pile Run-off, Numeric Effluent Limitation Monitoring</i>                                      | <u>Period 1</u> - <i>DMR</i> must be received electronically using EPA's electronic reporting system no later than July 28 following the end of reporting Period 1 - January 1 to June 30.                                   |
|                                                                                                                             | <u>Period 2</u> - <i>DMR</i> must be received electronically using EPA's electronic reporting system no later than January 28 following the end of reporting Period 2 - July 1 to December 31.                               |
| Monitoring for Bulk Storage and Loading/Unloading Areas                                                                     | Retain documentation on-site with SWPPP.                                                                                                                                                                                     |
| <i>Discharge</i> from Secondary Containment                                                                                 | Retain logbook of <i>discharges</i> , including the screening method, results of screening; date, time and volume of each <i>discharge</i> ; and the personnel supervising each <i>discharge</i> .                           |
| Monitoring for <i>Discharges</i> to Impaired Waterbodies                                                                    | <i>DMR</i> must be received electronically using EPA's electronic reporting system no later than 28 days following the end of the reporting period. See Tables IV.1 and IV.2                                                 |
| Non-Compliance Event Form for Exceedances of Numeric Effluent Limits                                                        | Results of the exceedance(s) and corrective action(s) taken must be reported on the Non-Compliance Event Form provided by the Department with the submission of the <i>DMR</i> which reports the exceedance. (Part VI.A.2.b) |
| Corrective Action Documentation for facilities that do not discharge to an impaired waterbody                               | Retain documentation on-site with SWPPP. (Part V.C)                                                                                                                                                                          |
| Corrective Action Form for facilities that have an exceedance of a Benchmark cut-off concentration to an impaired waterbody | Results of the exceedance(s) and corrective action(s) taken must be reported on the Corrective Action Form provided by the Department with the submission of the <i>DMR</i> which reports the exceedance. (Part VI.A.2.b)    |

## C. Retention of Records

All records required by this permit must be retained to meet the timeframes specified below:

### 1. Administrative Records

The *owner or operator* must retain a copy of the NOI, NOT, Acknowledgment Letters and the SWPPP, for a period of at least five (5) years from the date that the *Department* receives a complete NOT submitted in accordance with Part I.E of this permit.

### 2. Monitoring Activities

The *owner or operator* shall retain records of all monitoring information for a period of at least 5 years from the date of the sample, measurement, report or application. This period may be extended by written request of the *Department*, provided that the extension is necessary to implement the provisions of this Part or *ECL* and that the reason or reasons for the extension are provided in the request.

- a. The monitoring information shall include:
  - (1) Records of all data used to complete the application for the permit;
  - (2) Copies of all reports required by this permit.
- b. Data to include with the records of monitoring information:
  - (1) The date, exact place, and time of sampling or measurements;
  - (2) The individual(s) who performed the sampling or measurements;
  - (3) The date(s) analyses were performed;
  - (4) The individual(s) who performed the analyses;
  - (5) The analytical techniques or methods used;
  - (6) The results of such analyses; and
  - (7) Quality assurance/quality control documentation.
- c. When records are stored electronically, the records must be preserved in a manner that reasonably assures their integrity and are acceptable to the *Department*. Such records must also be in a format which is accessible to the *Department*.
- d. The *owner or operator* shall make available to the *Department* for inspection and copying or furnish to the *Department* within 25 business days of receipt of a *Department* request for such information, any information retained in accordance with Part VI.C.2.a and b.

## Part VII – Sector Specific Permit Requirements

The *owner or operator* must comply with the additional requirements of Part VII that apply to the specific *industrial activity* located at the *owner or operator's* facility. These requirements are in addition to the general requirements specified in the previous sections of this permit. The industry specific requirements are broken down into sections referred to as industrial sectors A through AC.

If the facility has more than one *industrial activity* meeting the description(s) of more than one sector occurring on-site, those industrial activities are considered to be *co-located*. *Stormwater discharges* from *co-located industrial activities* are authorized by this permit, provided that the *owner or operator* complies with any and all of the requirements applicable to each *industrial activity* at the facility. The monitoring and SWPPP terms and conditions of this permit are additive for *industrial activities* being conducted at a facility.

Examples of common *co-located industrial activities* include, but are not limited to:

- o Timber Products (Sector A) and vehicle maintenance (Sector P)
- o Auto salvage (Sector M) and auto recycling (Sector N)
- o Mineral mining (Sector J) and maintenance of vehicles and equipment (Sector P)
- o Mineral mining (Sector J) and asphalt manufacturing (Sector D)
- o Mineral mining (Sector J) and concrete manufacturing (Sector E)
- o Transfer stations accepting recyclables (Sector N) and maintenance of vehicles used in local trucking without storage (Sector P)
- o Manufacturers of food and kindred products (Sector U) and maintenance of vehicles used in local or long distance trucking (Sector P)

## Sector A – Timber Products

|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|---------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Applicability</b>      | <p>The requirements listed under this section apply to <i>stormwater discharges</i> associated with <i>industrial activity</i> from facilities generally classified under SIC Major Group 24 that are engaged in the following activities:</p> <ul style="list-style-type: none"> <li>• Cutting timber and pulpwood (those that have log storage or handling areas);</li> <li>• Log sorting and log storage activities;</li> <li>• Mills, including merchant, lath, shingle, cooperage stock, planing, plywood and veneer;</li> <li>• Producing lumber and wood materials (including processing logs into woodchips);</li> <li>• Wood preserving;</li> <li>• Manufacturing wood buildings or mobile homes; and,</li> <li>• Manufacturing finished articles made entirely of wood or related materials, except for wood kitchen cabinet manufacturers (SIC Code 2434), which are addressed under Sector W.</li> </ul> <p>The requirements of this section do <u>not</u> apply to active timber harvesting sites including the felling, skidding, preparation, loading and the incidental stacking and temporary storage of harvested timber on the harvest site prior to its initial transport to intermediate storage areas or other processing areas. An active harvest site is "considered to be an area where harvesting operations are actually on-going. Processing, sorting, or storage areas are not exempt if the site was used to store timber that was harvested from other sites.</p> |                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Special Conditions</b> | <b>Prohibition of Non-Stormwater discharges</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <p><i>Discharges of stormwater</i> from areas where there may be contact with chemical formulations sprayed to provide surface protection are not authorized by this permit. These <i>discharges</i> must be covered under a separate SPDES permit.</p>                                                                                                                                                                           |
|                           | <b>Authorized Non-Stormwater Discharges</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <p><i>Discharges</i> from the spray down of lumber and wood product (wet decking) storage yards where no chemical additives are used in the spray down waters and no chemicals are applied to the wood during storage provided that such components are identified in the SWPPP in accordance with Part III.B.7.f <i>Discharges from Wet Decking</i> are subject to the Numeric <i>Effluent Limitations</i> in Table VII-A-1.</p> |

| SWPPP Requirements in Addition to Part III                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Site Map                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <p>The site map shall identify where any of the following may be exposed to precipitation/surface runoff:</p> <ul style="list-style-type: none"> <li>• Processing areas;</li> <li>• Treatment chemical storage areas;</li> <li>• Treated wood and residue storage areas;</li> <li>• Wet decking areas;</li> <li>• Dry decking areas;</li> <li>• Untreated wood and residue storage areas; and,</li> <li>• Treatment equipment storage areas.</li> </ul>                                                                                        |
| Summary of Potential Pollutant Sources                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <p>Where information is available, facilities that have used chlorophenolic, creosote, or chromium-copper-arsenic formulations for wood surface protection or wood preserving activities on-site in the past shall identify in the inventory the following:</p> <ul style="list-style-type: none"> <li>• Areas where contaminated soils, treatment equipment, and stored materials still remain; and,</li> <li>• The management practices employed to <i>minimize</i> the contact of these materials with <i>stormwater</i> runoff.</li> </ul> |
| Additional Non-Numeric Effluent Limits                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <p>The description of <i>stormwater</i> management controls shall address the following areas of the site: log, lumber and other wood product storage areas; residue storage areas; loading and unloading areas; material handling areas; chemical storage areas; and equipment/vehicle maintenance, storage and repair areas.</p> <p>Facilities that surface protect and/or preserve wood products shall address specific BMPs for wood surface protection and preserving activities. The SWPPP shall address the following minimum components:</p> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Discharges to Copper Impaired Waters                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <p>If the facility discharges to a Copper <i>Impaired waterbody</i>, the owner or operator shall prevent the exposure of copper sources and copper containing materials or processes to <i>stormwater</i>. These materials shall be protected by a storm-resistant shelter to prevent exposure to rain, snow, snowmelt, and/or runoff.</p>                                                                                                                                                                                                     |

| Good Housekeeping Measures                                                   | <p>Good housekeeping measures in storage areas, loading and unloading areas, and material handling areas shall be designed to:</p> <p>(a) Limit the <i>discharge</i> of wood debris;</p> <p>(b) <i>Minimize</i> the leachate generated from decaying wood materials;</p> <p>(c) <i>Minimize</i> the generation of dust; and</p>                                                                                                                                                                                                                                 |                      |                      |    |                |                                                                              |                                                                                                 |
|------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|----------------------|----|----------------|------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|
| Erosion and Sediment Control Plan                                            | <p>The <i>Stormwater</i> Pollution Prevention Plan (SWPPP) shall include details of temporary and permanent structural and vegetative measures that will be used to control erosion and sedimentation from areas at the facility, including but not limited to log storage areas, haul roads and areas where vehicles are maintained.</p> <p>The design, installation, inspection, maintenance and repair of erosion and sediment controls shall conform to the New York Standards and Specifications for Erosion and Sediment Control, 2016, or equivalent</p> |                      |                      |    |                |                                                                              |                                                                                                 |
| Inspections                                                                  | <p>Inspections at processing areas, transport areas, and treated wood storage areas of facilities performing wood surface protection and preservation activities shall be performed monthly to assess the usefulness of practices in minimizing the deposit of treatment chemicals on unprotected soils and in areas that will come in contact with <i>stormwater discharges</i>.</p>                                                                                                                                                                           |                      |                      |    |                |                                                                              |                                                                                                 |
| Numeric Effluent Limitations                                                 | <p>The following limitations shall be met by existing and new facilities:</p> <p><u>Wet deck storage area runoff</u> - Non-<i>stormwater discharges</i> from areas used for the storage of logs where water, without chemical additives, is intentionally sprayed or deposited on logs to deter decay or infestation by insects are required to meet the following effluent limitations:</p>                                                                                                                                                                    |                      |                      |    |                |                                                                              |                                                                                                 |
|                                                                              | <p style="text-align: center;"><b>Table VII-A-1</b><br/><b>Sector A – Numeric Effluent Limitations</b></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                      |                      |    |                |                                                                              |                                                                                                 |
|                                                                              | <p>Wet Decking <i>Discharges</i> at Log Storage and Handling Areas (SIC 2411) Subject to the <i>Point Source</i> Category Provisions of 40CFR Part 429 Subpart I.</p>                                                                                                                                                                                                                                                                                                                                                                                           |                      |                      |    |                |                                                                              |                                                                                                 |
|                                                                              | <table><tr><th>Parameter</th><th>Effluent Limitations</th></tr><tr><td>pH</td><td>6.0 – 9.0 s.u.</td></tr><tr><td>Debris (woody material such as bark, twigs, branches, heartwood, or sapwood)</td><td>No <i>discharge</i> of debris that will not pass through a 2.54 cm (1") diameter round opening.</td></tr></table>                                                                                                                                                                                                                                        | Parameter            | Effluent Limitations | pH | 6.0 – 9.0 s.u. | Debris (woody material such as bark, twigs, branches, heartwood, or sapwood) | No <i>discharge</i> of debris that will not pass through a 2.54 cm (1") diameter round opening. |
|                                                                              | Parameter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Effluent Limitations |                      |    |                |                                                                              |                                                                                                 |
| pH                                                                           | 6.0 – 9.0 s.u.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                      |                      |    |                |                                                                              |                                                                                                 |
| Debris (woody material such as bark, twigs, branches, heartwood, or sapwood) | No <i>discharge</i> of debris that will not pass through a 2.54 cm (1") diameter round opening.                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                      |                      |    |                |                                                                              |                                                                                                 |
|                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                      |                      |    |                |                                                                              |                                                                                                 |

|                   |                                                                                                                                                                                                                                                                                                                                                                                 |                                                  |
|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|
|                   |                                                                                                                                                                                                                                                                                                                                                                                 |                                                  |
| <b>Benchmarks</b> | Timber product facilities are required to monitor their <i>stormwater discharges</i> for the <i>pollutants</i> of concern listed in the appropriate section of Table VII-A-2.                                                                                                                                                                                                   |                                                  |
|                   | <b>Table VII-A-2</b><br><b>Sector A – Benchmark Monitoring Requirements</b>                                                                                                                                                                                                                                                                                                     |                                                  |
|                   | <b>Pollutants of Concern</b>                                                                                                                                                                                                                                                                                                                                                    | <b>Benchmark Monitoring Cutoff Concentration</b> |
|                   | <b>General Sawmills and Planning Mills (SIC 2421)</b>                                                                                                                                                                                                                                                                                                                           |                                                  |
|                   | Chemical Oxygen Demand (COD)                                                                                                                                                                                                                                                                                                                                                    | 120 mg/L                                         |
|                   | Total Suspended Solids (TSS)                                                                                                                                                                                                                                                                                                                                                    | 100 mg/L                                         |
|                   | Total Nitrogen (TN) *                                                                                                                                                                                                                                                                                                                                                           | 6 mg/L                                           |
|                   | Total Recoverable Zinc                                                                                                                                                                                                                                                                                                                                                          | 110 ug/L                                         |
|                   | <b>Wood Preserving Facilities (SIC 2491)</b>                                                                                                                                                                                                                                                                                                                                    |                                                  |
|                   | Total Recoverable Arsenic                                                                                                                                                                                                                                                                                                                                                       | 150 ug/L                                         |
|                   | Total Recoverable Chromium                                                                                                                                                                                                                                                                                                                                                      | 1.8 mg/L                                         |
|                   | Total Recoverable Copper                                                                                                                                                                                                                                                                                                                                                        | 12 ug/L                                          |
|                   | <b>Log Storage and Handling Facilities (SIC 2411)</b>                                                                                                                                                                                                                                                                                                                           |                                                  |
|                   | Total Suspended Solids (TSS)                                                                                                                                                                                                                                                                                                                                                    | 100 mg/L                                         |
|                   | <b>Hardwood Dimension and Flooring Mills; Special Products Sawmills, not elsewhere classified; Millwork, Veneer, Plywood and Structural Wood; Wood Containers; Wood Buildings and Mobile Homes; Reconstituted Wood Products; and Wood Products Facilities not elsewhere classified (SIC Codes 2426, 2429, 2431-2439 (except 2434), 2448, 2449, 2451, 2452, 2493, and 2499).</b> |                                                  |
|                   | Chemical Oxygen Demand (COD)                                                                                                                                                                                                                                                                                                                                                    | 120 mg/L                                         |
|                   | Total Suspended Solids (TSS)                                                                                                                                                                                                                                                                                                                                                    | 100 mg/L                                         |
|                   | * Total Nitrogen is calculated as the sum of ammonia, nitrate-nitrite and organic nitrogen.                                                                                                                                                                                                                                                                                     |                                                  |

## Sector B – Paper and Allied Products Manufacturing

|                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                  |
|------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|
| Applicability                | <p>The requirements listed under this section apply to <i>stormwater discharges associated with industrial activity</i> from facilities classified as paper and allied products manufacturing under SIC Major Group 26 that are engaged in the following activities:</p> <ul style="list-style-type: none"> <li>• Manufacture of pulps from wood and other cellulose fibers and from rags;</li> <li>• Manufacture of paper and paperboard into converted products, such as paper coated off the paper machine, paper bags, paper boxes and envelopes; and,</li> <li>• Manufacture of bags of plastic film and sheet.</li> </ul> |                                                  |
| Numeric Effluent Limitations | No Numeric Effluent Limits specified for this sector.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                  |
| Benchmarks                   | Paperboard mills are required to monitor their <i>stormwater discharges</i> for the <i>pollutants</i> of concern listed in Table VII-B-1.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                  |
|                              | <b>Table VII-B-1.</b><br><b>Sector B - Benchmark Monitoring Requirements</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                  |
|                              | <i>Pollutants of Concern</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <i>Benchmark Monitoring Cutoff Concentration</i> |
|                              | Paperboard Mills (SIC 2631)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                  |
|                              | Chemical Oxygen Demand (COD)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 120 mg/L                                         |

## Sector C – Chemical and Allied Products Manufacturing

|               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|---------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Applicability | <p>The requirements listed under this section apply to <i>stormwater discharges associated with industrial activity</i> from facilities engaged in manufacturing the following products and generally described by the SIC code shown:</p> <ul style="list-style-type: none"> <li>a. Basic industrial inorganic chemicals (including SIC Code 281);</li> <li>b. Plastic materials and synthetic resins, synthetic rubbers, and cellulosic and other manmade fibers, except glass (including SIC Code 282);</li> <li>c. Medicinal chemicals and pharmaceutical products, including the grading, grinding and milling of botanicals (including SIC Code 283);</li> <li>d. Soap and other detergents, including facilities producing glycerin from vegetable and animal fats and oils; specialty cleaning, polishing, and sanitation preparations; surface active preparations used as emulsifiers, wetting agents, and finishing agents, including sulfonated oils; and perfumes, cosmetics, and other toilet preparations (including SIC Code 284);</li> <li>e. Paints (in paste and ready-mixed form); varnishes; lacquers; enamels and shellac; putties, wood fillers, and sealers; paint and varnish removers; paint brush cleaners; and allied paint products (including SIC Code 285);</li> <li>f. Industrial organic chemicals (including SIC Code 286);</li> <li>g. Nitrogen and phosphorous based fertilizers, mixed fertilizer, pesticides, and other agricultural chemicals (including SIC Code 287);</li> <li>h. Industrial and household adhesives, glues, caulking compounds, sealants, and linoleum, tile, and rubber cements from vegetable, animal, or synthetic plastics materials; explosives; printing ink, including gravure ink, screen process and lithographic inks ; miscellaneous chemical preparations, such as fatty acids, essential oils, gelatin (except vegetable), sizes, bluing, laundry sours, and writing and stamp pad ink; industrial compounds, such as boiler and heat insulating compounds; and chemical supplies for foundries (including SIC Code 289); and</li> <li>i. Ink and paints, including china painting enamels, India ink, drawing ink, platinum paints for burnt wood or leather work, paints for china painting, artists' paints and artists' water colors (SIC Code 3952, limited to those listed; for others in SIC Code 3952 not listed above, see Sector Y).</li> <li>j. Petroleum refineries listed under SIC Code 2911. Contaminated <i>stormwater discharges</i> from petroleum refining or drilling operations that are subject to nationally established BAT or <i>BPT</i> guidelines found at 40 CFR Part 419 are not authorized by this permit.</li> </ul> |
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|                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|---------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Prohibitions                                      | <p><u>Prohibition of non-stormwater discharges</u> - In addition to the general prohibition of non-stormwater discharges in Part I.C.1, the following <i>discharges</i> not covered by this permit include, but are not limited to:</p> <ul style="list-style-type: none"> <li>• Inks, paints, or substances (hazardous, nonhazardous, etc.) resulting from an on-site spill, including materials collected in drip pans;</li> <li>• Washwaters from material handling and processing areas; or</li> <li>• Washwaters from drum, tank, or container rinsing and cleaning.</li> </ul>                                                                                                                                                                       |
| <b>SWPPP Requirements in Addition to Part III</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Site Map                                          | <p>The site map shall identify where any of the following may be exposed to precipitation/surface runoff:</p> <ul style="list-style-type: none"> <li>• Processing and storage areas;</li> <li>• Access roads, rail cars and tracks;</li> <li>• Areas where substances are transferred in bulk; and,</li> <li>• Operating machinery</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                              |
| Summary of Potential Pollutant Sources            | <p>A description of the following sources and activities that have potential <i>pollutants</i> associated with them:</p> <ul style="list-style-type: none"> <li>• Loading, unloading and transfer of chemicals;</li> <li>• Outdoor storage of salt, pallets, coal, drums, containers, fuels, fueling stations;</li> <li>• Vehicle and equipment maintenance/cleaning areas;</li> <li>• Areas where the treatment, storage or disposal (on-site or off-site) of waste/wastewater occur;</li> <li>• Storage tanks and other containers;</li> <li>• Processing and storage areas;</li> <li>• Access roads, rail cars and tracks;</li> <li>• Areas where the transfer of substances in bulk occurs; and,</li> <li>• Areas where machinery operates.</li> </ul> |

| Additional Non-Numeric Effluent Limits |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                       |
|----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| Good Housekeeping Measures             | At a minimum, the SWPPP shall include:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                       |
|                                        | <p>(a) A schedule for regular pickup and disposal of garbage and waste materials, or adopt other appropriate measures to reduce the potential for the <i>discharge</i> of <i>stormwater</i> that has come into contact with garbage or waste materials; and</p> <p>(b) Routine inspections of the condition of drums, tanks and containers for potential leaks</p>                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                       |
| Numeric Effluent Limitations           | <p>The following <i>effluent limitations</i> shall be met by existing and new <i>discharges</i> with phosphate fertilizer manufacturing runoff. The provisions of this paragraph are applicable to <i>stormwater discharges</i> from the phosphate subcategory of the fertilizer manufacturing <i>point source</i> category (40 CFR 418.10, Subpart A). The term contaminated <i>stormwater</i> runoff shall mean precipitation runoff, that during manufacturing or processing, comes into contact with any raw materials, intermediate product, finished product, by-products or waste product.</p> <p>The concentration of <i>pollutants</i> in <i>stormwater discharges</i> shall not exceed the <i>effluent limitations</i> in Table VII-C-1.</p> |                                                                                       |
|                                        | <p align="center"><b>Table VII-C-1.</b><br/><b>Sector C - Numeric Effluent Limitation</b></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                       |
|                                        | Parameter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Effluent Limitations                                                                  |
|                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <p align="center"><i>Daily Maximum</i>                      <i>30-day Average</i></p> |
|                                        | <p><b>Phosphate Subcategory of the Fertilizer Manufacturing <i>Point Source</i> Category (40 CFR 418.10) - applies to precipitation runoff that, during manufacturing or processing, comes into contact with any raw materials, intermediate product, finished product, by-products or waste product (SIC 2874)</b></p>                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                       |
|                                        | Total Phosphorus (as P)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 105 mg/L                      35 mg/L                                                 |
|                                        | Fluoride                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 75 mg/L                      25 mg/L                                                  |
|                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                       |
| Benchmarks                             | <p>Agricultural chemical manufacturing facilities; industrial inorganic chemical facilities; soaps, detergents, cosmetics, and perfume manufacturing facilities; and plastics, synthetics, and resin manufacturing facilities are required to monitor their <i>stormwater discharges</i> for the <i>pollutants</i> of concern listed in Table VII-C-2 below.</p>                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                       |
|                                        | <p align="center"><b>Table VII-C-2</b><br/><b>Sector C - Benchmark Monitoring Requirement</b></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                       |
|                                        | <i>Pollutants of Concern</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <i>Benchmark Monitoring Cutoff Concentration</i>                                      |

|                                   |                                                                                             |                                                         |
|-----------------------------------|---------------------------------------------------------------------------------------------|---------------------------------------------------------|
|                                   | <b>Agricultural Chemicals (SIC 2873-2879)</b>                                               |                                                         |
|                                   | Total Nitrogen (TN)                                                                         | 6 mg/L                                                  |
|                                   | Total Recoverable Iron                                                                      | 1 mg/L                                                  |
|                                   | Total Recoverable Lead                                                                      | 69 ug/L                                                 |
|                                   | Total Recoverable Zinc                                                                      | 110 ug/L                                                |
|                                   | Total Phosphorus                                                                            | 2 mg/L                                                  |
|                                   | <b>Industrial Inorganic Chemicals (SIC 2812-2819)</b>                                       |                                                         |
|                                   | Total Recoverable Aluminum                                                                  | 750 ug/L                                                |
|                                   | Total Recoverable Iron                                                                      | 1 mg/L                                                  |
| <b>Benchmarks<br/>(Continued)</b> | <b>Table VII-C-2 (Continued)<br/>Sector C - Benchmark Monitoring Requirement</b>            |                                                         |
|                                   | <b><i>Pollutants of Concern</i></b>                                                         | <b><i>Benchmark Monitoring Cutoff Concentration</i></b> |
|                                   | <b>Industrial Inorganic Chemicals (SIC 2812-2819) (Continued)</b>                           |                                                         |
|                                   | Total Nitrogen (TN)                                                                         | 6 mg/L                                                  |
|                                   | <b>Soaps, Detergents, Cosmetics, and Perfumes (SIC 2841-2844)</b>                           |                                                         |
|                                   | Total Nitrogen (TN)                                                                         | 6 mg/L                                                  |
|                                   | Total Recoverable Zinc                                                                      | 110 ug/L                                                |
|                                   | <b>Plastics, Synthetics, and Resins (SIC 2821-2824)</b>                                     |                                                         |
|                                   | Total Recoverable Zinc                                                                      | 110 ug/L                                                |
|                                   | <b>Petroleum Refineries (SIC 2911)</b>                                                      |                                                         |
|                                   | Oil and Grease                                                                              | 100 mg/L                                                |
|                                   | Benzene                                                                                     | 50 ug/L                                                 |
|                                   | Ethylbenzene                                                                                | 50 ug/L                                                 |
|                                   | Toluene                                                                                     | 50 ug/L                                                 |
|                                   | Xylene                                                                                      | 50 ug/L                                                 |
|                                   | Total Recoverable Lead                                                                      | 69 ug/L                                                 |
|                                   | Total Recoverable Zinc                                                                      | 110 ug/L                                                |
|                                   | * Total Nitrogen is calculated as the sum of ammonia, nitrate-nitrite and organic nitrogen. |                                                         |

## Sector D – Asphalt Paving & Roofing Materials & Lubricant Manufacturers

|                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|---------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Applicability</b>                              | The requirements listed under this section apply to <i>stormwater discharges associated with industrial activity</i> from facilities engaged in the following activities: manufacturing asphalt paving and roofing materials, including those facilities commonly identified by SIC Codes 2951 and 2952; portable asphalt plants (also commonly identified by SIC Code 2951); and manufacturing miscellaneous products of petroleum and coal, including those facilities classified as SIC Code 2992 and 2999. This section applies to mobile asphalt plants.                                              |
| <b>Limitations on Coverage</b>                    | <p>The following <i>stormwater discharges associated with industrial activity</i> are not authorized by this section of the permit:</p> <ul style="list-style-type: none"> <li>a. <i>Stormwater discharges</i> from petroleum refining facilities, including those that manufacture asphalt or asphalt products that are classified as SIC Code 2911;</li> <li>b. <i>Stormwater discharges</i> from oil recycling facilities; and</li> <li>c. <i>Stormwater discharges</i> associated with fats and oils rendering.</li> <li>d. <i>Stormwater discharges</i> mixed with asphalt release agents.</li> </ul> |
| <b>Prohibitions</b>                               | <p>In addition to the general prohibitions of non-<i>stormwater discharges</i> in Part I.C.1, the following <i>discharges</i> are not covered by this permit include but are not limited to:</p> <ul style="list-style-type: none"> <li>• Contact &amp; Noncontact cooling water</li> <li>• Floor and equipment wash water</li> <li>• Wastewater from vehicle and internal vehicle wash-out</li> <li>• Cooling tower and boiler blow downs</li> <li>• Vehicle and equipment maintenance fluids.</li> </ul> <p>These <i>discharges</i> must be covered under a separate <i>SPDES</i> permit</p>             |
| <b>SWPPP Requirements in Addition to Part III</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Site Map</b>                                   | Identify where asphalt release agents are stored, used, recycled and disposed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

| Additional Non-Numeric Effluent Limits |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
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| Inspections                            | <p>The SWPPP shall provide for monthly routine facility inspections as part of the maintenance program at:</p> <ul style="list-style-type: none"> <li>• Material storage and handling areas;</li> <li>• Liquid storage tanks, hoppers or silos;</li> <li>• Vehicle and equipment maintenance, cleaning, and fueling areas;</li> <li>• Material handling vehicles;</li> <li>• Spray racks; and,</li> <li>• Equipment and processing areas</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Non Structural BMPs                    | <p>The SWPPP shall include:</p> <ul style="list-style-type: none"> <li>• Procedures to <i>minimize</i> the exposure of raw and waste materials to surface runoff and precipitation. If possible, store the equivalent one day's volume of materials indoors</li> <li>• Procedures to <i>minimize</i> the potential of any outdoor storage of fluids/drums/totes from coming in contact with precipitation/runoff. Fluid containers with valves must be maintained in a closed and locked position</li> <li>• A schedule of regular inspections of equipment for leaks, spills, malfunctioning, worn or corroded parts or equipment;</li> <li>• A preventive maintenance program for manufacturing equipment;</li> <li>• Provisions for drip pans or equivalent measures to be placed under any leaking piece of stationary equipment until the leak is repaired. The drip pans shall be inspected for leaks and potential overflow and all liquids properly disposed of in accordance with local, <i>State</i>, and federal requirements.</li> </ul> |

|                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                            |                |
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| Structural BMPs              | The SWPPP shall document considerations of the following <i>BMPs</i> (or their equivalents): <ul style="list-style-type: none"><li>• Provide an impermeable pad under asphalt spray and vehicle wash racks, with sump to collected excess runoff</li><li>• Containment or diversion structures such as dikes, berms, culverts, trenches, elevated concrete pads, and grading installed where appropriate to <i>minimize</i> contact of <i>stormwater</i> runoff with outdoor processing equipment or stored materials;</li><li>• Diversion of runoff away from manufacturing areas, storage areas and asphalt spray racks via dikes, berms, containment trenches, culverts and surface grading;</li><li>• Installation of a sump/pump with each containment pit, and <i>discharge</i> collected fluids to a sanitary sewer system or collect for proper disposal</li></ul> |                                            |                |
| Numeric Effluent Limitations | Table VII-D-1<br>Sector D - Numeric Effluent Limitation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                            |                |
|                              | Parameter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Effluent Limitations                       |                |
|                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Daily Maximum                              | 30-day Average |
|                              | Discharges from areas where production of asphalt paving and roofing emulsions occurs (SIC 2951, 2952) Subject to the Point Source Category Provisions of 40 CFR Part 443 Subpart A.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                            |                |
|                              | Total Suspended Solids (TSS)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 23 mg/L                                    | 15 mg/L        |
|                              | Oil & Grease                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 15 mg/L                                    | 10 mg/L        |
|                              | pH                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 6.0 to 9.0 SU                              |                |
| Benchmarks                   | Asphalt paving and roofing materials manufacturing facilities are required to monitor their <i>stormwater discharges</i> for the <i>pollutant</i> of concern listed in Table VII-D-2.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                            |                |
|                              | Table VII-D-2<br>Sector D - Benchmark Monitoring Requirement                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                            |                |
|                              | Pollutants of Concern                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Benchmark Monitoring Cut-off Concentration |                |
|                              | Asphalt Paving and Roofing Materials (SIC 2951, 2952)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                            |                |
|                              | Total Suspended Solids (TSS)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 100 mg/L                                   |                |

## Sector E – Glass, Clay, Cement, Concrete and Gypsum Products

|                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|-------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Applicability</b>                                        | <p>The requirements listed under this section apply to <i>stormwater discharges</i> associated with <i>industrial activity</i> from facilities generally classified under SIC Major Group 32 that are engaged in either manufacturing the following products or performing the following activities:</p> <ul style="list-style-type: none"> <li>• Flat, pressed, or blown glass or glass containers;</li> <li>• Hydraulic cement;</li> <li>• Clay products including tile and brick;</li> <li>• Pottery and porcelain electrical supplies;</li> <li>• Concrete products;</li> <li>• Gypsum products;</li> <li>• Non-clay refractories;</li> <li>• Minerals and earths , ground or otherwise treated;</li> <li>• Lime manufacturing;</li> <li>• Cut stone and stone products;</li> <li>• Asbestos products; and,</li> <li>• Mineral wool and mineral wool insulation products.</li> </ul> |
| <b>Prohibitions<br/>Non -<br/>Stormwater<br/>discharges</b> | <p>Facilities engaged in production of ready-mix concrete, concrete block, brick or similar products shall include in the certification a description of measures that ensure that process wastewater that results from washing of trucks, mixers, transport buckets, forms or other equipment are <i>discharged</i> in accordance with a separate SPDES permit or are recycled.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Additional SWPPP Requirements</b>                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Site Map</b>                                             | <p>The site map shall identify the locations of the following, if applicable:</p> <ul style="list-style-type: none"> <li>• Bag house or other dust control device;</li> <li>• Recycle/sedimentation pond, clarifier or other device used for the treatment of process wastewater and the areas that drain to the treatment device.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Additional Non-Numeric Effluent Limits</b>               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Inspections</b>                                          | <p>The inspection shall take place while the facility is in operation and shall include all of the following areas that are exposed to <i>stormwater</i>:</p> <ul style="list-style-type: none"> <li>• Material handling areas</li> <li>• Aboveground storage tanks</li> <li>• Hoppers or silos,</li> <li>• Dust collection/containment systems</li> <li>• Truck wash down/equipment cleaning areas</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

Good Housekeeping

Facilities shall prevent or *minimize* the *discharge* of:

- Spilled cement;
- Aggregate (including sand or gravel);
- Kiln dust;
- Fly ash;
- Settled dust; and
- Other *significant materials* in *stormwater* from paved portions of the site that are exposed to *stormwater*.

Measures used to *minimize* the presence of these materials may include regular sweeping, or other equivalent measures.

The SWPPP shall indicate the frequency of sweeping or equivalent measures. The frequency shall be determined based upon consideration of the amount of *industrial activity* occurring in the area and frequency of precipitation, but shall not be less than once per week if cement, aggregate, kiln dust; fly ash, or settled dust are being handled or processed.

Facilities shall prevent the exposure of fine granular solids (such as cement, kiln dust, etc.) to *stormwater*. Where practicable, these materials shall be stored in enclosed silos or hoppers, buildings, or under other covering.

|                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                    |                |
|------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| Numeric Effluent Limitations | The following limitations shall be met by existing and new facilities: Cement manufacturing facility, material storage runoff, including hydraulic cement product manufacturers (SIC 3241). Any <i>discharge</i> composed of runoff that derives from the storage of materials including raw materials, intermediate products, finished products, and waste materials that are used in or derived from the manufacture of cement shall not exceed the limitations in Table VII-E-1. |                                                                                                                                                                                                                                                                                                                                                                                    |                |
|                              | Runoff from the storage piles shall not be diluted with other <i>stormwater</i> runoff or flows to meet these limitations.                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                    |                |
|                              | Any untreated overflow from facilities designed, constructed and operated to treat the volume of material storage pile runoff that is associated with a 10-year, 24-hour rainfall event shall not be subject to the TSS or pH limitations.                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                    |                |
|                              | Facilities subject to these numeric <i>effluent limitations</i> must be in compliance with these limits upon commencement of coverage and for the entire term of this permit.                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                    |                |
|                              | Table VII-E-1<br>Sector E - Numeric Effluent Limitation                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                    |                |
|                              | Parameter                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Effluent Limitations                                                                                                                                                                                                                                                                                                                                                               |                |
|                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Daily Maximum                                                                                                                                                                                                                                                                                                                                                                      | 30-day Average |
|                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Cement Manufacturing Facility, Material Storage Runoff: Any <i>discharge</i> composed of runoff that derives from the storage of materials including raw materials, intermediate products, finished products, and waste materials that are used in or derived from the manufacture of cement. Subject to the <i>Point Source</i> Category Provisions of 40 CFR Part 411 Subpart C. |                |
| Total Suspended Solids (TSS) | 50 mg/L                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | NA                                                                                                                                                                                                                                                                                                                                                                                 |                |
| pH                           | 6.0 to 9.0 SU                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                    |                |
| Benchmarks                   | Clay product manufacturers (SIC 3245-3259, SIC 3261-3269) and concrete and gypsum product manufacturers (SIC 3271-3275) are required to monitor their <i>stormwater discharges</i> for the <i>pollutants</i> of concern listed in Table VII-E-2.                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                    |                |
|                              | Table VII-E-2<br>Sector E - Benchmark Monitoring Requirement                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                    |                |
|                              | Pollutants of Concern                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Benchmark Monitoring Cut-off Concentration                                                                                                                                                                                                                                                                                                                                         |                |
|                              | Clay Product Manufacturers (SIC 3245-3259, 3261-3269)                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                    |                |
|                              | Total Recoverable Aluminum                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 750 ug/L                                                                                                                                                                                                                                                                                                                                                                           |                |
|                              | Concrete and Gypsum Product Manufacturers (SIC 3271-3275)                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                    |                |
|                              | Total Suspended Solids (TSS)                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 100 mg/L                                                                                                                                                                                                                                                                                                                                                                           |                |
|                              | pH                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 6.0 to 9.0 su                                                                                                                                                                                                                                                                                                                                                                      |                |
| Total Recoverable Iron       | 1 mg/L                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                    |                |

## Sector F – Primary Metals

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| <p style="writing-mode: vertical-rl; transform: rotate(180deg);">Applicability</p> | <p>The requirements listed under this section apply to <i>stormwater discharges associated with industrial activity</i> from the following types of facilities in the primary metal industry, and generally described by the SIC code shown:</p> <ul style="list-style-type: none"> <li>a. Steel works, blast furnaces, and rolling and finishing mills, including: steel wire drawing and steel nails and spikes; cold-rolled steel sheet, strip, and bars; and steel pipes and tubes (SIC Code 331);</li> <li>b. Iron and steel foundries, including: gray and ductile iron, malleable iron, steel investment, and steel foundries not elsewhere classified (SIC Code 332);</li> <li>c. Primary smelting and refining of nonferrous metals, including: primary smelting and refining of copper, and primary production of aluminum (SIC Code 333);</li> <li>d. Secondary smelting and refining of nonferrous metals (SIC Code 334);</li> <li>e. Rolling, drawing, and extruding of nonferrous metals, including: rolling, drawing, and extruding of copper; rolling, drawing and extruding of nonferrous metals except copper and aluminum; and drawing and insulating of nonferrous wire (SIC Code 335);</li> <li>f. Nonferrous foundries (castings), including: aluminum die-castings, nonferrous die-castings, except aluminum, aluminum foundries, copper foundries, and nonferrous foundries, except copper and aluminum (SIC Code 336); and</li> <li>g. Miscellaneous primary metal products, not elsewhere classified, including: metal heat treating, and primary metal products, not elsewhere classified (SIC Code 339).</li> </ul> <p>Activities covered include, but are not limited to, <i>stormwater discharges</i> associated with coking operations, sintering plants, blast furnaces, smelting operations, rolling mills, casting operations, heat treating, extruding, drawing, or forging of all types of ferrous and nonferrous metals, scrap, and ore.</p> |
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| SWPPP Requirements in Addition to Part III |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
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| Site Map                                   | <p>The site map shall identify where any of the following activities may be exposed to precipitation/surface runoff:</p> <ul style="list-style-type: none"> <li>• Storage or disposal of wastes such as spent solvents/baths, sand, slag/dross;</li> <li>• Liquid storage tanks/drums;</li> <li>• Processing areas including pollution control equipment (e.g., baghouses);</li> <li>• Storage areas of raw materials such as coal, coke, scrap, sand, fluxes, refractories, or metal in any form.</li> </ul> <p>Indicate sources where an accumulation of significant amounts of particulate matter could occur from such sources as:</p> <ul style="list-style-type: none"> <li>• Furnace or oven emissions</li> </ul> <p>Losses from coal/coke handling operations, etc. which could result in a <i>discharge of pollutants</i> to surface waters</p>                                                                                                                                                                                                                                    |
| Summary of Potential Pollutant Sources     | <p>The inventory of materials handled at the site that potentially may be exposed to precipitation/runoff shall include areas where deposition of particulate matter from process air emissions or losses during material handling activities are possible.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Additional Non-Numeric Effluent Limits     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Inspections                                | <p>Inspections shall be conducted at least quarterly, and shall address all potential sources of <i>pollutants</i>, including (if applicable):</p> <ul style="list-style-type: none"> <li>• Air pollution control equipment (e.g., baghouses, electrostatic precipitators, scrubbers, and cyclones) shall be inspected for any signs of degradation (e.g., leaks, corrosion, or improper operation) that could limit their efficiency and lead to excessive emissions. The <i>owner or operator</i> shall consider monitoring air flow at inlets/outlets, or equivalent measures, to check for leaks (e.g., particulate deposition) or blockage in ducts;</li> <li>• All process or material handling equipment (e.g., conveyors, cranes, and vehicles) shall be inspected for leaks, drips, or the potential loss of materials; and</li> <li>• Material storage areas (e.g., piles, bins or hoppers for storing coke, coal, scrap, or slag, as well as chemicals stored in tanks/drums) shall be examined for signs of material losses due to wind or <i>stormwater</i> runoff.</li> </ul> |
| Discharges to Copper Impaired Waters       | <p>If the facility discharges to a Copper Impaired waterbody, the owner or operator shall prevent the exposure of copper sources and copper containing materials or processes to <i>stormwater</i>. These materials shall be protected by a storm-resistant shelter to prevent exposure to rain, snow, snowmelt, and/or runoff.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

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| <p style="text-align: center;"><b>Good Housekeeping</b></p>              | <p>The SWPPP shall document considerations of the following <i>BMPs</i> (or their equivalents):</p> <ul style="list-style-type: none"> <li>(a) Establishment of a cleaning/maintenance program for all impervious areas of the facility where particulate matter, dust, or debris may accumulate, especially areas where material loading/unloading, storage, handling, and processing occur.</li> <li>(b) Paving of areas where vehicle traffic or material storage occurs, but where vegetative or other stabilization methods are not practicable. Sweeping programs shall be instituted in these areas as well.</li> <li>(c) Use of stormwater management devices such as sediment traps, vegetative buffer strips, filter fabric fence, sediment filtering boom, gravel outlet protection, or other equivalent measures, that effectively trap or remove sediment for unstabilized areas of the facility where sweeping is not practical.</li> </ul> |
| <p style="text-align: center;"><b>BMPs<br/>Outside Storage Areas</b></p> | <p><i>BMPs</i> for outside material storage such as foundry returns, scrap metal, turnings, fines, ingots, bars, pigs, wire, where practicable:</p> <ul style="list-style-type: none"> <li>• Confine storage to designated and labeled areas outside of drainage pathways and away from surface waters.</li> <li>• Provide temporary cover (e.g., tarps) for the storage area.</li> <li>• <i>Minimize</i> material storage through effective inventory and shipping controls.</li> <li>• <i>Minimize</i> run-on from adjacent properties with diversion dikes, berms, curbing, surface grading or other equivalent measures.</li> <li>• Stabilize areas with exposed soil with diversion dikes, berms, curbing, concrete pads, etc.</li> </ul>                                                                                                                                                                                                            |
| <p style="text-align: center;"><b>Numeric Limits</b></p>                 | <p>No Numeric Effluent Limits specified for this sector.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <p style="text-align: center;"><b>Benchmarks</b></p>                     | <p>Primary metals facilities are required to monitor their <i>stormwater discharges</i> for the <i>pollutants</i> of concern listed in Table VII-F-1 below.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

| <b>Table VII-F-2</b><br><b>Sector F - Benchmark Monitoring Requirement</b>          |                                                   |
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| <b>Pollutants of Concern</b>                                                        | <b>Benchmark Monitoring Cut-off Concentration</b> |
| <b>Steel Works, Blast Furnaces, and Rolling and Finishing Mills (SIC 3312-3317)</b> |                                                   |
| Total Recoverable Aluminum                                                          | 750 ug/L                                          |
| Total Recoverable Zinc                                                              | 110 ug/L                                          |
| <b>Iron and Steel Foundries (SIC 3321-3325)</b>                                     |                                                   |
| Total Recoverable Aluminum                                                          | 750 ug/L                                          |
| Total Suspended Solids (TSS)                                                        | 100 mg/L                                          |
| Total Recoverable Copper                                                            | 12 ug/L                                           |
| Total Recoverable Iron                                                              | 1 mg/L                                            |
| Total Recoverable Zinc                                                              | 110 ug/L                                          |
| <b>Rolling, Drawing, and Extruding of Nonferrous Metals (SIC 3351-3357)</b>         |                                                   |
| Total Recoverable Copper                                                            | 12 ug/L                                           |
| Total Recoverable Zinc                                                              | 110 ug/L                                          |
| <b>Nonferrous Foundries (SIC 3363-3369)</b>                                         |                                                   |
| Total Recoverable Copper                                                            | 12 ug/L                                           |
| Total Recoverable Zinc                                                              | 110 ug/L                                          |

## Sector G – Metal Mining (Ore Mining & Dressing)

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| <p style="writing-mode: vertical-rl; transform: rotate(180deg);">Applicability</p> | <p>The requirements listed under this section apply to <i>stormwater discharges associated with industrial activity</i> from active, temporarily inactive and inactive metal mining and ore dressing facilities including mines abandoned on federal lands, as classified under SIC Major Group 10. Coverage is required for facilities that <i>discharge stormwater</i> that has come into contact with, or is contaminated by, any overburden, raw material, intermediate product, finished product, byproduct, or waste product located on the site of the operation. SIC Major Group 10 includes establishments primarily engaged in mining of ores, developing mines, or exploring for metallic minerals (ores) and also includes ore dressing and beneficiating operations, whether performed at <i>co-located</i>, dedicated mills or at separate mills, such as custom mills. For the purposes of this section, the term "metal mining" includes any of the separate activities listed above. Covered <i>discharges</i> include:</p> <p>a. All <i>stormwater discharges</i> from inactive metal mining facilities; and</p> <p>b. <i>Stormwater discharges</i> from the following areas of active and temporarily inactive metal mining facilities:</p> <ul style="list-style-type: none"> <li>• waste rock/overburden piles if composed entirely of <i>stormwater</i> and not combining with mine drainage;</li> <li>• topsoil piles;</li> <li>• off-site haul/access roads;</li> <li>• on-site haul/access roads constructed of waste rock/overburden if composed entirely of <i>stormwater</i> and not combining with mine drainage;</li> <li>• on-site haul/access roads not constructed of waste rock/overburden/spent ore except if mine drainage is used for dust control;</li> <li>• runoff from tailings dams/dikes when not constructed of waste rock/tailings and no process fluids are present;</li> <li>• runoff from tailings dams/dikes when constructed of waste rock/tailings and no process fluids are present if composed entirely of <i>stormwater</i> and not combining with mine drainage;</li> <li>• concentration building if no contact with material piles;</li> <li>• mill site if no contact with material piles; office/administrative building and housing if mixed with <i>stormwater</i> from industrial area;</li> <li>• chemical storage area;</li> <li>• docking facility if no excessive contact with waste product that would otherwise constitute mine drainage;</li> <li>• explosive storage;</li> <li>• fuel storage;</li> <li>• vehicle/equipment maintenance area/building;</li> <li>• parking areas (if necessary);</li> <li>• power plant;</li> <li>• truck wash areas if no excessive contact with waste product that would otherwise constitute mine drainage;</li> <li>• unreclaimed, disturbed areas outside of active mining area;</li> <li>• reclaimed areas released from reclamation bonds prior to December 17, 1990; and, partially/inadequately reclaimed areas or areas not released from reclamation bonds</li> </ul> |
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| <p><b>Limitations on Coverage</b></p>   | <p><i>Stormwater discharges</i> from active metal mining facilities that are subject to the <i>effluent limitation guidelines</i> for the Ore Mining and Dressing <i>Point Source</i> Category (40 CFR Part 440) are not authorized by this permit.</p> <p>Note: <i>Discharges</i> that come in contact with overburden/waste rock are subject to 40 CFR Part 440, providing: the <i>discharges</i> drain to a <i>point source</i> (either naturally or as a result of intentional diversion), and they combine with mine drainage that is otherwise regulated under 40 CFR Part 440.</p> <p><i>Discharges</i> from overburden/waste rock can be covered under this permit if they are composed entirely of <i>stormwater</i> and do not combine with sources of mine drainage that are subject to 40 CFR Part 440 and meet other eligibility criteria in Paragraph I.C.2</p>                                                                                                          |
| <p><b>Prohibitions</b></p>              | <p>In addition to the general prohibition of non-<i>stormwater discharges</i> in Part I.C.1, the following <i>discharges</i> not covered by this permit include, but are not limited to: adit drainage or contaminated springs or seeps</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <p><b>Non-Stormwater discharges</b></p> | <p><u>Certification of <i>discharge</i> testing</u> - The <i>owner or operator</i> must test or evaluate for the presence of specific mining-related, non-<i>stormwater discharges</i> such as seeps or adit <i>discharges</i> or <i>discharges</i> subject to <i>effluent limitations guidelines</i>, such as mine drainage or process water. Alternatively (if applicable), the <i>owner or operator</i> may certify in the SWPPP that a particular <i>discharge</i> comprised of commingled <i>stormwater</i> and non-<i>stormwater</i> is covered under a separate <i>SPDES</i> permit; and that permit subjects the non-<i>stormwater</i> portion to <i>effluent limitations</i> prior to any commingling. This certification shall identify the non-<i>stormwater discharges</i>, the applicable <i>SPDES</i> permit(s), the <i>effluent limitations</i> placed on the non-<i>stormwater discharge</i> by the permit(s), and the points at which the limitations are applied</p> |

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| <p style="text-align: center;"><b>Definitions</b></p> | <p>The following definitions are only for this section of the general permit:</p> <ul style="list-style-type: none"> <li>• "<i>Active metal mining facility</i>" means a place where work or other activity related to the extraction, removal, or recovery of metal ore is being conducted. For surface mines, this definition does not include any land where grading has returned the earth to a desired contour and reclamation has begun.</li> <li>• "<i>Active phase</i>" means activities including each step from extraction through production of a salable product.</li> <li>• "<i>Exploration and construction phase</i>" entails exploration and land disturbance activities to determine the financial viability of a site. Construction includes the building of site access roads, buildings and removal of overburden and waste rock to expose mineable minerals.</li> <li>• "<i>Final Stabilization</i>" means that all soil-disturbing activities at the site have been completed and a uniform, perennial vegetative cover with a density of eighty (80) percent has been established or equivalent stabilization measures (such as the use of permanent landscape mulches, riprap, or washed/crushed stone) have been employed on all unpaved areas and areas not covered by permanent structures.</li> <li>• "<i>Inactive metal mining facility</i>" means a site or portion of a site where metal mining and/or milling occurred in the past but is not an active facility as defined above, and where the inactive portion is not covered by an active mining permit issued by the applicable (federal or <i>State</i>) governmental agency.</li> <li>• "<i>Mining operation</i>" typically consists of three phases, any one of which individually qualifies as a "mining activity." The phases are the exploration and construction phase, the active phase, and the reclamation phase.<br/> "<i>Reclamation phase</i>" means activities undertaken, in compliance with applicable mined land reclamation requirements, following the cessation of the <i>Active Phase</i>, intended to return the land to an appropriate post-mining land use in order to meet applicable Federal and <i>State</i> reclamation requirements.</li> <li>• "<i>Temporarily inactive metal mining facility</i>" means a site or portion of a site where metal mining and/or milling occurred in the past but currently are not being actively undertaken, and the facility is covered by an active mining permit issued by the applicable (federal or <i>State</i>) government agency</li> </ul> |
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| <p style="text-align: center;"><b>Erosion &amp; Sediment Control Plan</b></p>                                          | <p>A comprehensive <i>Construction Stormwater</i> Pollution Prevention Plan (Construction SWPPP) addressing the storm water run-on and run-off control systems needed during the mines construction, operation and reclamation phases must be prepared prior to the <i>commencement of any construction activity</i> that will result in a land disturbance of one or more acres of land. The plan must be prepared in accordance to the New York Standards and Specifications for Erosion and Sediment Control, 2016, and the New York State <i>Stormwater</i> Management Design Manual, 2015 or equivalent.</p> <p><i>Stormwater discharges</i> from earth-disturbing activities conducted during the <i>Exploration and Construction Phase</i> prior to active mining activities are covered under this permit. For such earth-disturbing activities, you must comply with all applicable requirements in Parts I - VII of the MSGP except for the technology-based effluent limits in Part VII.G and Part II.A, the inspection and monitoring requirements in Part VII.G and Part IV.</p> <p>Once the <i>Exploration and Construction phase</i> are completed you must comply with “all applicable parts of the permit”</p> |
| <p style="text-align: center;"><b>SWPPP Requirements in Addition to Part III</b></p>                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <p style="text-align: center;"><b>General Site Description<br/>for Active &amp; Temporarily<br/>Inactive Mines</b></p> | <p>A description of the mining and associated activities taking place at the site that can potentially affect <i>stormwater discharges</i> covered by this permit. The description shall include:</p> <ul style="list-style-type: none"> <li>• Total acreage within the mine site;</li> <li>• Estimate of the number of acres of disturbed land;</li> <li>• Estimate of the total amount of land proposed to be disturbed throughout the life of the mine; and,</li> </ul> <p>General description of the location of the site relative to major transportation routes and communities.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <p style="text-align: center;"><b>General Site Description<br/>for Inactive Mines</b></p>                              | <p>The SWPPP shall briefly describe the mining and associated activities that took place at the site that can potentially affect the <i>stormwater discharges</i> covered by this permit. The following must be included:</p> <ul style="list-style-type: none"> <li>• Approximate dates of operation;</li> <li>• Total acreage within the mine and/or processing site;</li> <li>• Estimate of acres of disturbed earth;</li> <li>• Activities currently occurring on-site (e.g., reclamation);</li> <li>• General description of site location with respect to transportation routes and communities</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |

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| <p style="text-align: center;"><b>Site Map<br/>All Facilities</b></p>                                   | <p>The site map shall identify the locations of the following, as appropriate:</p> <ul style="list-style-type: none"> <li>• mining/milling site boundaries;</li> <li>• access and haul roads;</li> <li>• an outline of the drainage areas of each <i>stormwater outfall</i> within the facility, and an indication of the types of <i>discharges</i> from the drainage areas;</li> <li>• equipment storage, fueling and maintenance areas;</li> <li>• materials handling areas;</li> <li>• outdoor manufacturing, storage or material disposal areas; storage areas for chemicals and explosives;</li> <li>• areas used for storage of overburden, materials, soils or wastes;</li> <li>• location of mine drainage (where water leaves mine) or any other process water;</li> <li>• tailings piles/ponds, both proposed and existing;</li> <li>• heap leach pads;</li> <li>• points of <i>discharge</i> from the property for mine drainage/process water;</li> <li>• surface waters; and</li> <li>• boundary of tributary areas that are subject to <i>effluent limitations</i> guidelines</li> </ul> |
| <p style="text-align: center;"><b>Summary of Potential<br/>Pollutant Sources<br/>All Facilities</b></p> | <p>For each area of the mine/mill site where <i>stormwater discharges</i> associated with industrial activities occur, the types of <i>pollutants</i> likely to be present in significant amounts must be identified (e.g., heavy metals, sediment). The following factors must be considered: the mineralogy of the ore and waste rock (e.g., acid forming); toxicity and quantity of chemicals used, produced or <i>discharged</i>; the likelihood, if any, of contact with <i>stormwater</i>; vegetation of site; history of <i>reportable</i> leaks/spills of toxic or hazardous <i>pollutants</i>. A summary of any existing ore or waste rock/overburden characterization data and test results for potential generation of acid rock shall also be included. If the ore or waste rock/overburden characterization data are updated due to a change in the ore type being mined, the SWPPP shall be updated with the new data</p>                                                                                                                                                                 |
| <p style="text-align: center;"><b>Additional Non-Numeric Effluent Limits</b></p>                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <p style="text-align: center;"><b>Employee<br/>Training</b></p>                                         | <p>Employee training shall be conducted at least annually at active mining and temporarily inactive sites.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

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| <p style="text-align: center;"><b>Inspections</b></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <ul style="list-style-type: none"> <li>• <b>Inactive Mines:</b> Annual site compliance evaluations may be impractical for inactive mining sites due to remote location/inaccessibility of the site, in which case the <i>owner or operator</i> must conduct the evaluation at least once every three years. The SWPPP must be documented to explain why annual compliance evaluations are not possible. If the evaluations will be conducted more often than every three years, the frequency of evaluations must be specified.</li> <li>• <b>Active mining sites</b> must be inspected at least monthly.<br/><b>Temporarily inactive sites</b> must be inspected at least quarterly unless adverse weather conditions make the site inaccessible</li> </ul> |
| <p style="text-align: center;"><b>Discharges to<br/>Copper Impaired<br/>Waters</b></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <p>If the facility discharges to a Copper Impaired waterbody, the owner or operator shall prevent the exposure of copper sources and copper containing materials or processes to <i>stormwater</i>. These materials shall be protected by a storm-resistant shelter to prevent exposure to rain, snow, snowmelt, and/or runoff.</p>                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <p>Each of the following <i>BMPs</i> shall be considered and documented in the SWPPP. The potential <i>pollutants</i> identified for the type of mining activity (above) shall determine the priority and appropriateness of the <i>BMPs</i> selected. If it is determined that one or more of these <i>BMPs</i> are not appropriate for the facility, the plan must explain why it is not appropriate. If <i>BMPs</i> are implemented or planned but are not listed here (e.g., substituting a less toxic chemical for a more toxic one), descriptions of them must be included in the SWPPP</p> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

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| BMPs<br>All Facilities       | The measures to consider include:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                      |                |
|                              | <ul style="list-style-type: none"><li>• <b>Diversion of flow away from areas susceptible to erosion and potential <i>pollutant</i> sources:</b> A description of how and where <i>stormwater</i> will be diverted away from potential <i>pollutant</i> sources to prevent <i>stormwater</i> contamination and/or erosion. <i>BMP</i> options may include the following: interceptor dikes and swales; diversion dikes, curbs and berms; pipe slope drains; subsurface drains; drainage/<i>stormwater</i> conveyance systems (channels or gutters, open top box culverts and waterbars; rolling dips and road sloping; roadway surface water deflector and culverts); or equivalent measures.</li></ul> |                      |                |
|                              | <ul style="list-style-type: none"><li>• <b>Methods to control runoff</b> (such as check dams; rock outlet protection; level spreaders; grass swales; pipe slope drains; earth dikes; gradient terraces) The potential <i>pollutant</i> sources for the type of mine (above) must be considered when determining reasonable and appropriate measures for managing runoff</li></ul>                                                                                                                                                                                                                                                                                                                      |                      |                |
|                              | <ul style="list-style-type: none"><li>• <b>Stabilization methods to prevent or <i>minimize</i> contact with <i>pollutants</i> and/or erosion</b> (such as entrance stabilization; temporary or permanent seeding; Vegetative buffer strips; Protection of trees; Topsoiling; Soil Conditioning; Contouring; Mulching; Geotextiles (matting, netting, or blankets); Riprap; Gabions; Retaining walls; Capping (where capping of a potential <i>stormwater</i> pollution source is necessary, the source being capped and materials and procedures used to cap the contaminant source must be identified)</li></ul>                                                                                      |                      |                |
|                              | <ul style="list-style-type: none"><li>• <b>Structural methods for controlling sediment</b> (such as silt fences; gravel or stone filter berms; brush barriers; sediment traps; other controls such as waterway crossings or wind breaks; or other equivalent measures).</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                      |                      |                |
|                              | <ul style="list-style-type: none"><li>• <b>Treatment</b> - If treatment of a <i>stormwater discharge</i> is necessary to protect water quality, include a description of the type and location of <i>stormwater</i> treatment that will be used. <i>Stormwater</i> treatments include the following: chemical or physical systems; oil/water separators; artificial wetlands; etc</li></ul>                                                                                                                                                                                                                                                                                                            |                      |                |
|                              | The design, installation, maintenance and repair of erosion and sediment controls shall conform to the most current version of the New York Standards and Specifications for Erosion and Sediment.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                      |                |
| Numeric Effluent Limitations | The following <i>effluent limitations</i> shall be met by existing and new <i>discharges</i> from active, temporarily inactive and inactive metal mining and ore dressing facilities including mines abandoned on federal lands, as classified under SIC Major Group 10.                                                                                                                                                                                                                                                                                                                                                                                                                               |                      |                |
|                              | Table VII-G-1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                      |                |
|                              | Sector G – Numeric Effluent Limitations                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                      |                |
|                              | Parameter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Effluent Limitations |                |
|                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Daily Maximum        | 30-day Average |
|                              | Total Mercury                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 50 ng/L*             |                |
|                              | *Mercury Analysis shall be by EPA Method 1631                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                      |                |

| Table VII–G-2<br>Additional Monitoring Requirements for Discharges from Waste Rock and Overburden Piles From Active Ore Mining or Dressing Facilities                                                     |                                                                                                                                                                                                                                                                                                        |                                            |                                                                |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|----------------------------------------------------------------|
| Type of Ore Mined                                                                                                                                                                                         | Pollutants of Concern                                                                                                                                                                                                                                                                                  |                                            |                                                                |
|                                                                                                                                                                                                           | TSS (mg/l)                                                                                                                                                                                                                                                                                             | pH (SU)                                    | Metals, Total Recoverable                                      |
| Iron Ore                                                                                                                                                                                                  | X                                                                                                                                                                                                                                                                                                      | X                                          | Iron, Dissolved                                                |
| Titanium Ore                                                                                                                                                                                              | X                                                                                                                                                                                                                                                                                                      | X                                          | Iron, Nickel (H), Zinc (H)                                     |
| Copper, Lead, Zinc, Gold, Silver and Molybdenum                                                                                                                                                           | X                                                                                                                                                                                                                                                                                                      | X                                          | Arsenic, Cadmium (H), Copper (H), Lead (H), Mercury, Zinc (H). |
| (H) indicates that hardness must also be measured when this <i>pollutant</i> is measured.<br>The above monitoring must be compared to <i>benchmark monitoring cut-off concentrations</i> in Table VII-G-3 |                                                                                                                                                                                                                                                                                                        |                                            |                                                                |
| Benchmarks                                                                                                                                                                                                | <u>Discharges from waste rock and overburden piles at active ore mining and dressing facilities</u> Active ore mining and dressing facilities with <i>discharges</i> from waste rock and overburden piles must perform analytic monitoring for the parameters listed in Table VII-G-3.                 |                                            |                                                                |
|                                                                                                                                                                                                           | Facilities must also monitor for the parameters listed in Table VII-G-2. However, the <i>Department</i> may notify the facility that additional monitoring must be performed to accurately characterize the quality and quantity of <i>pollutants discharged</i> from the waste rock/overburden piles. |                                            |                                                                |
|                                                                                                                                                                                                           | Table VII-G-3<br>Sector G - Benchmark Monitoring Requirements                                                                                                                                                                                                                                          |                                            |                                                                |
|                                                                                                                                                                                                           | Pollutants of Concern                                                                                                                                                                                                                                                                                  | Benchmark Monitoring Cut-off Concentration |                                                                |
|                                                                                                                                                                                                           | Discharges From Waste Rock and Overburden Piles from Active Ore Mining or Dressing Facilities Iron Ores; Copper Ores; Lead and Zinc Ores; Gold and Silver Ores; Ferroalloy Ores Except Vanadium; Miscellaneous Metal Ores (SIC Codes 1011, 1021, 1031, 1041, 1044, 1061, 1081, 1094, 1099)             |                                            |                                                                |
|                                                                                                                                                                                                           | Total Suspended Solids (TSS)                                                                                                                                                                                                                                                                           | 100 mg/L                                   |                                                                |
|                                                                                                                                                                                                           | Chemical Oxygen Demand (COD)                                                                                                                                                                                                                                                                           | 120 mg/L                                   |                                                                |
|                                                                                                                                                                                                           | Turbidity (NTUs)                                                                                                                                                                                                                                                                                       | 50 NTUs                                    |                                                                |
|                                                                                                                                                                                                           | pH                                                                                                                                                                                                                                                                                                     | 6.0 – 9.0 SU                               |                                                                |
|                                                                                                                                                                                                           | Hardness (as CaCO3)                                                                                                                                                                                                                                                                                    | No Benchmark Value                         |                                                                |
|                                                                                                                                                                                                           | Total Recoverable Antimony                                                                                                                                                                                                                                                                             | 636 ug/L                                   |                                                                |
|                                                                                                                                                                                                           | Total Recoverable Arsenic                                                                                                                                                                                                                                                                              | 150 ug/L                                   |                                                                |
|                                                                                                                                                                                                           | Total Recoverable Beryllium                                                                                                                                                                                                                                                                            | 130 ug/L                                   |                                                                |
|                                                                                                                                                                                                           | Total Recoverable Cadmium                                                                                                                                                                                                                                                                              | 1.8 ug/L                                   |                                                                |

|                                                                                                                                                                                                          |                                                                                            |                                                                                                                                                         |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                                                                                                                                          | Total Recoverable Copper                                                                   | 12 ug/L                                                                                                                                                 |
|                                                                                                                                                                                                          | Total Recoverable Iron                                                                     | 1.0 mg/L                                                                                                                                                |
|                                                                                                                                                                                                          | Total Recoverable Lead                                                                     | 69 ug/L                                                                                                                                                 |
|                                                                                                                                                                                                          | Total Recoverable Manganese                                                                | 1.0 mg/L                                                                                                                                                |
|                                                                                                                                                                                                          | Total Recoverable Nickel                                                                   | 0.42 mg/L                                                                                                                                               |
|                                                                                                                                                                                                          | Total Recoverable Selenium                                                                 | 5 ug/L                                                                                                                                                  |
|                                                                                                                                                                                                          | Total Recoverable Silver                                                                   | 3.0 ug/L                                                                                                                                                |
|                                                                                                                                                                                                          | Total Recoverable Zinc                                                                     | 110 ug/L                                                                                                                                                |
|                                                                                                                                                                                                          | * Total Nitrogen is calculated as the sum of ammonia, nitrate-nitrite and organic nitrogen |                                                                                                                                                         |
| <b>Table VII-G-4</b><br><b>Applicability of the Multi-Sector General Permit to Stormwater Runoff From Active Mining and Dressing Sites, Temporarily Inactive Sites, and Sites Undergoing Reclamation</b> |                                                                                            |                                                                                                                                                         |
| <b>Discharge/Source of Discharge</b>                                                                                                                                                                     |                                                                                            | <b>Note/Comment</b>                                                                                                                                     |
| <b>Storage Piles</b>                                                                                                                                                                                     |                                                                                            |                                                                                                                                                         |
| Waste rock/overburden Storage Piles                                                                                                                                                                      |                                                                                            | Applicable if composed entirely of <i>stormwater</i> and not combining with mine drainage. See note below                                               |
| Topsoil Storage Piles                                                                                                                                                                                    |                                                                                            | Applicable                                                                                                                                              |
| <b>Roads constructed of waste rock or spent ore</b>                                                                                                                                                      |                                                                                            |                                                                                                                                                         |
| Onsite haul roads                                                                                                                                                                                        |                                                                                            | Applicable if composed entirely of <i>stormwater</i> and not combining with mine drainage. See note below                                               |
| Off Site haul and access roads                                                                                                                                                                           |                                                                                            | Applicable                                                                                                                                              |
| <b>Roads not constructed of waste rock or spent ore</b>                                                                                                                                                  |                                                                                            |                                                                                                                                                         |
| Onsite haul roads                                                                                                                                                                                        |                                                                                            | Applicable except if mine drainage is used for dust control                                                                                             |
| Off Site haul and access roads                                                                                                                                                                           |                                                                                            | Applicable                                                                                                                                              |
| <b>Milling &amp; Concentrating</b>                                                                                                                                                                       |                                                                                            |                                                                                                                                                         |
| Runoff from tailings dams and dikes when constructed of waste rock/tailings                                                                                                                              |                                                                                            | Applicable except if process fluids are present and only if composed entirely of <i>stormwater</i> and not combining with mine drainage. See Note below |
| Runoff from tailings dams/dikes when not constructed of waste rock and tailings                                                                                                                          |                                                                                            | Except if process fluids are present                                                                                                                    |
| Concentration building                                                                                                                                                                                   |                                                                                            | If <i>stormwater</i> only and no contact with piles                                                                                                     |
| Mill site                                                                                                                                                                                                |                                                                                            | If <i>stormwater</i> only and no contact with piles                                                                                                     |

| Ancillary Areas                                 |                                                                                                |
|-------------------------------------------------|------------------------------------------------------------------------------------------------|
| Office and administrative building and housing  | If mixed with <i>stormwater</i> from the industrial area                                       |
| Chemical Storage Areas                          | Applicable                                                                                     |
| Docking facility                                | Except if excessive contact with waste product that would otherwise constitute mine drainage   |
| Explosive storage                               | Applicable                                                                                     |
| Fuel storage (oil tanks/coal piles)             | Applicable                                                                                     |
| Vehicle and equipment maintenance area/building | Applicable                                                                                     |
| Parking areas                                   | But coverage unnecessary if only employee and visitor-type parking                             |
| Power Plant - Truck wash area                   | Except when excessive contact with waste product that would otherwise constitute mine drainage |

| <b>Table VII-G-4 (Continued)</b><br><b>Applicability of the Multi-Sector General Permit to Stormwater Runoff From Active Mining and Dressing Sites, Temporarily Inactive Sites, and Sites Undergoing Reclamation</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                   |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|
| <b>Discharge/Source of Discharge</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <b>Note/Comment</b>               |
| Reclamation-related areas                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                   |
| Any disturbed area (unreclaimed)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Only if not in active mining area |
| Reclaimed areas released from reclamation bonds prior to Dec. 17, 1990                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Applicable                        |
| Partially/inadequately reclaimed areas or areas not released from reclamation bond                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Applicable                        |
| <p>Note: <i>Stormwater</i> runoff from these sources are subject to the <i>SPDES</i> program for <i>stormwater</i> unless mixed with <i>discharges</i> subject to the 40 CFR Part 440 that are not regulated by another permit prior to mixing. <i>Nonstormwater discharges</i> from these sources are subject to <i>SPDES</i> permitting and may be subject to the <i>effluent limitation guidelines</i> under 40 CFR Part 440. <i>Discharges</i> from overburden/waste rock and overburden/waste rock related areas are not subject to 40 CFR Part 440 unless: (1) it drains naturally (or is intentionally diverted) to a <i>point source</i>; and (2) combines with "mine drainage" that is otherwise regulated under the Part 440 regulations. For such sources, coverage under this permit would be available if the <i>discharge</i> composed entirely of <i>stormwater</i> does not combine with other sources of mine drainage that are not subject to 40 CFR Part 440, as well as meeting other eligibility criteria contained in Section I.C. of the permit. Permit applicants bear the initial responsibility for determining the applicable technology-based standard for such <i>discharges</i>. DEC recommends that permit applicants contact the relevant <i>SPDES</i> permit issuance authority for assistance to determine the nature and scope of the "active mining area" on a mine-by-mine basis, as well as to determine the appropriate permitting mechanism for authorizing such <i>discharges</i>.</p> |                                   |

**Sector H – (Reserved)**

## Sector I - Oil & Gas Extraction and Refining

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|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p style="text-align: center;"><b>Applicability</b></p>                               | <p>The requirements listed under this section apply to <i>stormwater discharges</i> associated with <i>industrial activity</i> from oil and gas extraction listed under SIC Major Group 13 which have had a <i>discharge</i> of a <i>reportable</i> quantity (RQ) of oil or a hazardous substance for which notification is required under 40 CFR 110.6, 40 CFR 117.21 or 40 CFR 302.6. These include oil and gas exploration, production, processing, or treatment operations, or transmission facilities that <i>discharge stormwater</i> contaminated by contact with or that has come into contact with any overburden raw material, intermediate products, finished products, by-products or waste products located on the site of such operations. Industries in SIC Major Group 13 include the extraction and production of crude oil and natural gas; the production of hydrocarbon liquids and natural gas from coal; and associated oilfield service, supply and repair industries.</p> |
| <p style="text-align: center;"><b>Prohibitions<br/>Non -Stormwater discharges</b></p> | <p>Contaminated <i>stormwater discharges</i> from petroleum refining or drilling operations that are subject to nationally established BAT or BPT guidelines found at 40 CFR Part 419 and 40 CFR Part 435 respectively are not authorized by this permit..</p> <p>Oil and gas drilling operations utilizing <i>high volume hydraulic fracturing</i> (HVHF) techniques are not eligible for coverage under this permit.</p> <p>In addition to the general prohibition of non-<i>stormwater discharges</i> in Part I.C.1, the following <i>discharges</i> not covered by this permit include, but are not limited to <i>discharges</i> of vehicle and equipment washwater, including tank cleaning operations. Alternatively, washwater <i>discharges</i> must be authorized under a separate SPDES permit, or be <i>discharged</i> to a sanitary sewer in accordance with applicable industrial pretreatment requirements.</p>                                                                     |
| <p style="text-align: center;"><b>Additional SWPPP Requirements</b></p>               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <p style="text-align: center;"><b>Site Map</b></p>                                    | <p>The site map shall identify where any of the following may be exposed to precipitation/surface runoff:</p> <ul style="list-style-type: none"> <li>• <i>Reportable quantity (RQ) releases</i>;</li> <li>• Locations used for the treatment, storage or disposal of wastes;</li> <li>• Processing areas and storage areas;</li> <li>• Chemical mixing areas;</li> <li>• Construction and drilling areas;</li> <li>• All areas subject to the effluent guidelines requirement of "No <i>Discharge</i>" in accordance with 40 CFR 435.32 and the structural controls to achieve compliance with the "No <i>Discharge</i>" requirement</li> </ul>                                                                                                                                                                                                                                                                                                                                                   |

|                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                  |
|----------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Summary of Potential Pollutant Sources | <p>The plan shall include a description of the potential <i>pollutant</i> sources from the following activities:</p> <ul style="list-style-type: none"><li>• Chemical, cement, mud or gel mixing activities</li><li>• Drilling activities</li><li>• Equipment cleaning and rehabilitation activities.</li></ul> <p>The plan must include information about the RQ release which triggered the permit application requirements, including:</p> <ul style="list-style-type: none"><li>• Nature of the release (e.g., spill of oil from a drum storage area);</li><li>• Amount of oil or hazardous substance released;</li><li>• Amount of substance recovered;</li><li>• Date of the release;</li><li>• Cause of the release (e.g., poor handling techniques and lack of containment in the area);</li><li>• Areas affected by the release, including land and waters; procedure to cleanup release;</li><li>• Actions or procedures implemented to prevent or improve response to a release; and remaining potential contamination of <i>stormwater</i> from release (taking into account human health risks, the control of drinking water intakes, and the designated uses of the receiving water).</li></ul> |                                                                                                                                                                                                                                                                                                                                                                                                  |
|                                        | Additional Non-Numeric Effluent Limits                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                  |
| Good Housekeeping                      | Vehicle & Equipment Storage Areas                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | The storage of vehicles and equipment awaiting or having completed maintenance must be confined to designated areas (delineated on the site map). The plan must describe <i>BMPs</i> that prevent or <i>minimize</i> contamination of the <i>stormwater</i> runoff from these areas (e.g., drip pans under equipment, indoor storage, use of berms and dikes); or other equivalent <i>BMPs</i> . |
|                                        | Materials & Chemical Storage Areas                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Storage units of all chemicals and materials must be maintained in good condition so as to prevent contamination of <i>stormwater</i> . Hazardous materials must be plainly labeled                                                                                                                                                                                                              |
|                                        | Chemical Mixing Areas                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | The plan must describe <i>BMPs</i> that prevent or <i>minimize</i> contamination of the <i>stormwater</i> runoff from chemical mixing areas                                                                                                                                                                                                                                                      |

|                                         |                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-----------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Erosion & Sediment Controls             | Unless covered by the SPDES General Permit for <i>Stormwater Discharges from Construction Activity (GP-0-15-002)</i> , the additional erosion control requirement for well drilling are as follows |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Erosion & Sediment Controls (Continued) | Site Description                                                                                                                                                                                   | <p>Each plan shall provide a description of the following:</p> <ul style="list-style-type: none"> <li>• A description of the nature of the exploration activity</li> <li>• Estimates of the total area of the site and the area of the site that is expected to be disturbed due to the exploration activity</li> <li>• An estimate of the <i>runoff coefficient</i> of the site</li> <li>• A site map indicating drainage patterns and approximate slopes</li> <li>• The name of all receiving water(s).</li> </ul>                                                                                                                                                                                                                                                                        |
|                                         | Vegetative Controls                                                                                                                                                                                | <p>The SWPPP shall include a description of vegetative practices designed to preserve existing vegetation where attainable and revegetate open areas as soon as practicable after grade drilling. Such practices may include:</p> <ul style="list-style-type: none"> <li>• Temporary or permanent seeding</li> <li>• Mulching</li> <li>• Sod stabilization</li> <li>• Vegetative buffer strips</li> <li>• Tree protection practices</li> </ul> <p>The <i>owner or operator</i> shall initiate appropriate vegetative practices on all disturbed areas within 14 calendar days of the last activity at that disturbed area.</p> <p>The <i>owner or operator</i> shall comply with the New York State Standards and Specifications for Erosion and Sediment Control, 2016, or equivalent.</p> |
|                                         | Sediment Control Measures                                                                                                                                                                          | Off-site vehicle tracking of sediments shall be <i>minimized</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|                                         | Inspections                                                                                                                                                                                        | The SWPPP shall include procedures for inspection of all erosion controls on the site at least once every seven calendar days.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

|                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                            |
|------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|
| Routine Inspections          | <p>All equipment and areas addressed in the SWPPP shall be inspected at a minimum of six month intervals.</p> <p>Equipment and vehicles which store, mix (including all on-site and off-site mixing tanks) or transport chemicals/hazardous materials (including those transporting supplies to oil field activities) will be inspected at least quarterly.</p> <p>For temporarily or permanently inactive oil and gas extraction facilities within Major SIC Group 13, which are remotely located and unstaffed, the inspections shall be performed at least annually</p> |                                            |
| Numeric Effluent Limitations | No Numeric Effluent Limits specified for this sector.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                            |
| Benchmarks                   | Oil and gas extraction facilities (SIC Major Group 13) and petroleum refineries (SIC 2911) covered under this section are required to monitor their <i>stormwater discharges</i> for the <i>pollutants</i> of concern listed in Table VII-I-1.                                                                                                                                                                                                                                                                                                                             |                                            |
|                              | Table VII-I-2<br>Sector I - Benchmark Monitoring Requirement                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                            |
|                              | Pollutants of Concern                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Benchmark Monitoring Cut-off Concentration |
|                              | Oil and Gas Extraction (SIC Major Group 13)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                            |
|                              | Total Suspended Solids (TSS)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 100 mg/l                                   |
|                              | Chlorides                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 860 mg/l                                   |
|                              | pH                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 6.0 to 9.0 su                              |

## Sector J - Mineral Mining & Dressing

|                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|---------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p><b>Applicability</b></p>           | <p>The requirements listed under this section apply to <i>stormwater discharges</i> associated with <i>industrial activity</i> from active and inactive mineral mining and dressing facilities as identified by the SIC Major Group 14. The types of activities that <i>owner or operators</i> under Sector J are primarily engaged in are:</p> <ul style="list-style-type: none"> <li>• Exploring for minerals (e.g., stone, sand, clay, chemical and fertilizer minerals, non-metallic minerals, etc.)</li> <li>• Developing mines and the mining of minerals</li> <li>• Mineral dressing</li> <li>• Nonmetallic mineral services.</li> </ul> <p>Most <i>stormwater discharges</i> subject to an existing <i>effluent limitation</i> guideline in 40 CFR Part 436 are not authorized by this permit, except for mine dewatering <i>discharges</i> composed entirely of <i>stormwater</i> or ground water seepage from construction sand and gravel, industrial sand, and crushed stone mining facilities.</p>                                                                      |
| <p><b>Limitations of Coverage</b></p> | <p><i>Stormwater discharges</i> from soils disturbance associated with <i>mining</i> except for reclamation activities where the pre-approved, post-mining use would otherwise require post construction <i>stormwater</i> controls under the <i>SPDES General Permit for Stormwater Discharges from Construction Activity (GP-0-15-002)</i>.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <p><b>Prohibitions</b></p>            | <p>In addition to the general prohibitions of non-<i>stormwater discharges</i>, the following <i>discharges</i> not covered by this permit include, but are not limited to:</p> <ul style="list-style-type: none"> <li>• Mineral wash water</li> <li>• Transport (slurry) water</li> <li>• Wet scrubber blowdown</li> <li>• Contact cooling water</li> <li>• Noncontact cooling water</li> <li>• Floor and equipment washing</li> <li>• Water used for dust suppression (except as indicated below)</li> <li>• Cooling tower and boiler blowdowns</li> <li>• Vehicle and equipment maintenance fluids</li> <li>• Intake water treatment backwashes.</li> <li>• <i>Stormwater discharges</i> subject to an existing <i>effluent limitation</i> guideline in 40CFR Part 436, except for mine dewatering <i>discharges</i> composed entirely of <i>stormwater</i> or <i>groundwater</i> seepage from construction sand and gravel, industrial sand, and rushed stone mining facilities.</li> </ul> <p>These <i>discharges</i> must be covered under a separate <i>SPDES</i> permit.</p> |

|                                      |                                                                                                                                                                                                                                                                                                         |
|--------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Non-Stormwater<br/>discharges</b> | <p>In addition to the <i>discharges</i> described in Part I.B.2, the <i>discharge</i> of clean water applied to roadways for dust control may be authorized by this permit provided that <i>BMPs</i> are in place to limit application rates thus preventing erosion and minimizing surface runoff.</p> |
|--------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

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| Definitions | <p>The following definitions are only for this section of the general permit:</p> <p><i>"Haulageway"</i> means all roads utilized for mining purposes, together with that area of land over which material is transported, that are located within the permitted area.</p> <p><i>"Mine"</i> means any excavation from which a mineral is to be produced for sale or exchange, or for commercial, industrial or municipal use; all haulageways and all equipment above, on or below the surface of the ground used in connection with such excavation, and all lands included in the life of the mine review by the <i>Department</i>.</p> <p><i>"Mining Activity or Activities"</i> means the activities associated with mining and reclamation including the exploration and land disturbance to determine the financial viability of a site, construction of haulageways, buildings and structures associated with <i>mining</i>.</p> <p><i>"Mining"</i> means the extraction of overburden and minerals from the earth; the preparation and processing of minerals, including any activities or processes or parts thereof for the extraction or removal of minerals from their original location and the preparation, washing, cleaning, crushing, stockpiling or other processing of minerals at the mine location so as to make them suitable for commercial, industrial, or construction use; exclusive of manufacturing processes, at the mine location; the removal of such materials through sale or exchange, or for commercial, industrial or municipal use; and the disposition of overburden, tailings and waste at the mine location. "Mining" shall not include the excavation, removal and disposition of minerals from construction projects, exclusive of the creation of water bodies, or excavations in aid of agricultural activities.</p> <p><i>"Reclamation"</i> means the activities associated with conditioning of the affected land to make it suitable for any uses or purposes consistent with the pre-approved, post mining use.</p> <p>Note: The following definitions are not intended to supercede the definitions of active and inactive mining facilities established by 40 CFR 122.26(b)(14)(iii).</p> <p><i>"Active Mineral Mining Facility"</i> means a place where work or other activity related to the extraction, removal or recovery of minerals is being conducted. This definition does not include any land where grading has returned the earth to a desired contour and reclamation has begun.</p> <p><i>"Inactive Mineral Mining Facility"</i> means a site or portion of a site where mineral mining and/or dressing occurred in the past but is not an active facility as defined above, and where the inactive portion is not covered by an active permit issued by the applicable <i>State</i> or Federal government agency.</p> <p><i>"Mine Dewatering"</i> means any water that is impounded or that collects in the mine and is pumped, drained or otherwise removed from the mine through the efforts of the mine operator. This term shall also include wet pit overflows caused solely by direct rainfall and/or ground water seepage.</p> <p><i>"Process Generated Wastewater"</i> means if a mine is also used for treatment of process generated waste water, <i>discharges</i> of commingled water from the facilities shall be deemed <i>discharges</i> of process generated waste water.</p> |
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|                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                       |
|--------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                            | <p>"<i>Temporarily Inactive Mineral Mining Facility</i>" means a site or portion of a site where mineral mining and/or dressing occurred in the past but currently are not being actively undertaken, and the facility is covered by an active mining permit issued by the applicable <i>State</i> or Federal government agency.</p> <p>"<i>Final Stabilization</i>" means that a site or portion of a site has implemented all applicable Federal and State (6NYCRR §422.3) reclamation requirements.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                       |
| SWPPP Requirements in addition to Part III |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                       |
| Site Map                                   | <p>Document on your site map the locations of the following:</p> <ul style="list-style-type: none"><li>• Mining or milling site boundaries</li><li>• Access and haul roads,</li><li>• Outline of the drainage areas or each <i>stormwater outfall</i> within the facility with indications of the types of <i>discharges</i> from the drainage areas</li><li>• Location(s) of all permitted <i>discharges</i> covered under an <i>individual SPDES permit</i></li><li>• Outdoor equipment storage, fueling, and maintenance areas</li><li>• Materials handling areas</li><li>• Outdoor manufacturing, outdoor storage, and material disposal areas</li><li>• Outdoor chemicals and explosives storage areas</li><li>• Overburden, materials, soils, or waste storage areas</li><li>• Location of mine drainage dewatering or other process water</li><li>• Surface waters</li><li>• Boundary of tributary areas that are subject to <i>effluent limitations guidelines</i></li><li>• Location(s) of reclaimed areas</li></ul> |                                                                                                                                                                                                                                                                                                                                                       |
| Additional Non-Numeric Effluent Limits     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                       |
| Erosion and Sediment Control Plan          | <p>An erosion and sediment control (ESC) plan must be developed and implemented for <i>mining activities</i> that result in a soil disturbance with the potential for <i>stormwater discharge to surface waters of the State</i>. <u>Areas draining internal to the mine that do not have the potential to discharge to surface waters of the State and areas that have achieved final stabilization are not subject to these requirements.</u> This plan shall include details of temporary and permanent structural and vegetative measures that will be used to control erosion and sedimentation. The design, installation, inspection, maintenance and repair of erosion and sediment controls shall conform to the New York Standards and Specifications for Erosion and Sediment Control, 2016 and New York State Revegetation Procedures Manual: Surface Mining Reclamation, or their equivalents.</p>                                                                                                                |                                                                                                                                                                                                                                                                                                                                                       |
|                                            | ESC Inspections                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <p>The owner or operator shall have a <i>qualified person</i> conduct site inspections in areas with the potential to <i>discharge to surface waters of the State</i> as follows:</p> <ul style="list-style-type: none"><li>• All erosion and sediment control practices in areas with potential for <i>stormwater discharge</i> to surface</li></ul> |

|                                   |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
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|                                   |                          | <p><u>water</u>, to ensure integrity and effectiveness to ensure that practices are constructed as indicated in the SWPPP.</p> <ul style="list-style-type: none"> <li>• All areas of disturbance in areas with potential for <i>stormwater discharge</i> to surface water that have not achieved <i>final stabilization</i>;</li> <li>• All points of <i>discharge</i> to natural surface waterbodies located within, or immediately adjacent to, the property boundaries of the <i>mine</i>.</li> <li>• All points of <i>discharge</i>.</li> </ul>                         |
| Erosion and Sediment Control Plan | ESC Inspection Frequency | <p>For sites where soil disturbance activities are on-going, the <i>qualified person</i> shall conduct a site inspection at least once every seven (7) calendar days. Where soil disturbance activities have been temporarily suspended (e.g. winter shutdown) and <i>temporary stabilization</i> has been applied to all disturbed areas or if runoff is unlikely due to winter conditions (e.g., site is covered with snow, ice, or the ground is frozen), the <i>qualified person</i> shall conduct a site inspection at least once every thirty (30) calendar days.</p> |

|  |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
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|  | ESC Inspection Reports   | <p>At a minimum, the inspection report shall include and/or address the following:</p> <ul style="list-style-type: none"> <li>• Date and time of inspection;</li> <li>• Name and title of person(s) performing inspection;</li> <li>• A description of the weather and soil conditions (e.g. dry, wet, saturated) at the time of the inspection;</li> <li>• A description of the condition of the runoff at all points of <i>discharge</i> from the site.</li> <li>• Identify any <i>discharges</i> of sediment or other <i>pollutants</i> from the site, including <i>discharges</i> from conveyance systems (i.e. pipes, culverts, ditches, etc.) and overland flow;</li> <li>• A description of the condition of all natural surface water bodies located within, or immediately adjacent to, the property boundaries of the construction site which receive runoff from disturbed areas. This shall include identification of any <i>discharges</i> of sediment to the surface water body;</li> <li>• Identification of all <i>BMPs</i> and erosion and sediment control practices that need repair or maintenance</li> <li>• Identification of all <i>BMPs</i> and erosion and sediment control practices that were not installed properly or are not functioning as designed and need to be reinstalled or replaced;</li> <li>• Description and sketch of areas that are disturbed at the time of the inspection and areas that have been stabilized (temporary and/or final) since the last inspection;</li> <li>• Corrective action(s) that must be taken to install, repair, replace or maintain erosion and sediment control practices; and to correct deficiencies identified with the construction of the post-construction <i>stormwater</i> management practice(s)</li> </ul> |
|  | ESC Inspection Follow-Up | <p>Within one (1) business day of the completion of an inspection, the <i>qualified person</i> shall notify the <i>owner or operator</i> and appropriate contractor of any corrective actions that need to be taken. The <i>owner or operator</i> shall begin implementing the corrective actions within one (1) business day of this notification and shall complete the corrective actions within seven (7) calendar days unless otherwise notified by the <i>Department</i>.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

| Routine Inspections                                                                                                                                                                                                                                                                                                                                                                                                             | <p>All <i>BMPs</i> (other than Erosion &amp; Sediment Controls) at the facility shall be inspected quarterly for evidence of actual or potential <i>discharges</i> of contaminated <i>stormwater</i> and shall include the following areas:</p> <ul style="list-style-type: none"><li>• Chemical handling and storage areas</li><li>• Vehicle &amp; equipment maintenance areas</li><li>• Fueling areas</li><li>• Other potential sources of pollution</li></ul> <p>Temporarily or permanently inactive facilities shall be inspected annually.</p>             |                      |                              |                                                   |                                                |               |                |                                                                                                                                                                                                                                         |                        |        |                              |          |                        |        |               |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|------------------------------|---------------------------------------------------|------------------------------------------------|---------------|----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|--------|------------------------------|----------|------------------------|--------|---------------|--|
| Numeric Effluent Limitations                                                                                                                                                                                                                                                                                                                                                                                                    | <p>The following <i>effluent limitations</i> shall be met by existing and new <i>discharges</i> from <i>Mine Dewatering</i> activities at construction sand and gravel; industrial sand; and crushed stone mining facilities (SIC 1422–1429, 1442, 1446) in accordance with 40 CFR 436:</p>                                                                                                                                                                                                                                                                     |                      |                              |                                                   |                                                |               |                |                                                                                                                                                                                                                                         |                        |        |                              |          |                        |        |               |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                 | <p><b>Table VII-J-1.</b><br/><b>Sector J - Numeric Effluent Limitations</b></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                      |                              |                                                   |                                                |               |                |                                                                                                                                                                                                                                         |                        |        |                              |          |                        |        |               |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                 | <table><tr><th>Parameter</th><th colspan="2">Effluent Limitations</th></tr><tr><th></th><th>Daily Maximum</th><th>30-day Average</th></tr><tr><td colspan="3">Mine Dewatering Activities at Construction Sand and Gravel; Industrial Sand; and Crushed Stone Mining Facilities (SIC 1422–1429, 1442, 1446) Subject to the <i>Point Source</i> Category Provisions of 40CFR Part 436 Subparts B, C &amp; D</td></tr><tr><td>Total Suspended Solids (TSS)</td><td>45 mg/L</td><td>25 mg/L</td></tr><tr><td>pH</td><td colspan="2">6.0 to 9.0 SU</td></tr></table> | Parameter            | Effluent Limitations         |                                                   |                                                | Daily Maximum | 30-day Average | Mine Dewatering Activities at Construction Sand and Gravel; Industrial Sand; and Crushed Stone Mining Facilities (SIC 1422–1429, 1442, 1446) Subject to the <i>Point Source</i> Category Provisions of 40CFR Part 436 Subparts B, C & D |                        |        | Total Suspended Solids (TSS) | 45 mg/L  | 25 mg/L                | pH     | 6.0 to 9.0 SU |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                 | Parameter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Effluent Limitations |                              |                                                   |                                                |               |                |                                                                                                                                                                                                                                         |                        |        |                              |          |                        |        |               |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Daily Maximum        | 30-day Average               |                                                   |                                                |               |                |                                                                                                                                                                                                                                         |                        |        |                              |          |                        |        |               |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                 | Mine Dewatering Activities at Construction Sand and Gravel; Industrial Sand; and Crushed Stone Mining Facilities (SIC 1422–1429, 1442, 1446) Subject to the <i>Point Source</i> Category Provisions of 40CFR Part 436 Subparts B, C & D                                                                                                                                                                                                                                                                                                                         |                      |                              |                                                   |                                                |               |                |                                                                                                                                                                                                                                         |                        |        |                              |          |                        |        |               |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                 | Total Suspended Solids (TSS)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 45 mg/L              | 25 mg/L                      |                                                   |                                                |               |                |                                                                                                                                                                                                                                         |                        |        |                              |          |                        |        |               |  |
| pH                                                                                                                                                                                                                                                                                                                                                                                                                              | 6.0 to 9.0 SU                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                      |                              |                                                   |                                                |               |                |                                                                                                                                                                                                                                         |                        |        |                              |          |                        |        |               |  |
| Sand and gravel mining facilities (SIC 1442, 1446) and facilities manufacturing dimension, crushed stone and nonmetallic minerals (except fuels (SIC 1411, 1422-1429, 1481, 1499) are required to monitor their <i>stormwater discharges</i> for the <i>pollutants</i> of concern listed in Table VII-J-2.                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                      |                              |                                                   |                                                |               |                |                                                                                                                                                                                                                                         |                        |        |                              |          |                        |        |               |  |
| <p><b>Table VII-J-2</b><br/><b>Sector J - Benchmark Monitoring Requirement</b></p>                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                      |                              |                                                   |                                                |               |                |                                                                                                                                                                                                                                         |                        |        |                              |          |                        |        |               |  |
| <table><tr><th><i>Pollutants of Concern</i></th><th><i>Benchmark Monitoring Cut-off Concentration</i></th></tr><tr><td colspan="2"><b>Sand and Gravel Mining (SIC 1442, 1446)</b></td></tr><tr><td>Total Nitrogen</td><td>6 mg/L</td></tr><tr><td>Total Phosphorous (TP)</td><td>2 mg/L</td></tr><tr><td>Total Suspended Solids (TSS)</td><td>100 mg/L</td></tr><tr><td>Total Recoverable Iron</td><td>1 mg/L</td></tr></table> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                      | <i>Pollutants of Concern</i> | <i>Benchmark Monitoring Cut-off Concentration</i> | <b>Sand and Gravel Mining (SIC 1442, 1446)</b> |               | Total Nitrogen | 6 mg/L                                                                                                                                                                                                                                  | Total Phosphorous (TP) | 2 mg/L | Total Suspended Solids (TSS) | 100 mg/L | Total Recoverable Iron | 1 mg/L |               |  |
| <i>Pollutants of Concern</i>                                                                                                                                                                                                                                                                                                                                                                                                    | <i>Benchmark Monitoring Cut-off Concentration</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                      |                              |                                                   |                                                |               |                |                                                                                                                                                                                                                                         |                        |        |                              |          |                        |        |               |  |
| <b>Sand and Gravel Mining (SIC 1442, 1446)</b>                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                      |                              |                                                   |                                                |               |                |                                                                                                                                                                                                                                         |                        |        |                              |          |                        |        |               |  |
| Total Nitrogen                                                                                                                                                                                                                                                                                                                                                                                                                  | 6 mg/L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                      |                              |                                                   |                                                |               |                |                                                                                                                                                                                                                                         |                        |        |                              |          |                        |        |               |  |
| Total Phosphorous (TP)                                                                                                                                                                                                                                                                                                                                                                                                          | 2 mg/L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                      |                              |                                                   |                                                |               |                |                                                                                                                                                                                                                                         |                        |        |                              |          |                        |        |               |  |
| Total Suspended Solids (TSS)                                                                                                                                                                                                                                                                                                                                                                                                    | 100 mg/L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                      |                              |                                                   |                                                |               |                |                                                                                                                                                                                                                                         |                        |        |                              |          |                        |        |               |  |
| Total Recoverable Iron                                                                                                                                                                                                                                                                                                                                                                                                          | 1 mg/L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                      |                              |                                                   |                                                |               |                |                                                                                                                                                                                                                                         |                        |        |                              |          |                        |        |               |  |

| <b>Benchmarks (Continued)</b> | <b>Table VII-J-2 (Continued)</b><br><b>Sector J - <i>Benchmark Monitoring Requirement</i></b>                |                                                          |
|-------------------------------|--------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|
|                               | <b><i>Pollutants of Concern</i></b>                                                                          | <b><i>Benchmark Monitoring Cut-off Concentration</i></b> |
|                               | <b>Sand and Gravel Mining (SIC 1442, 1446) (Continued)</b>                                                   |                                                          |
|                               | Total Recoverable Zinc                                                                                       | 110 ug/L                                                 |
|                               | <b>Dimension and Crushed Stone and Nonmetallic Minerals (except fuels) (SIC 1411, 1422-1429, 1481, 1499)</b> |                                                          |
|                               | Total Suspended Solids (TSS)                                                                                 | 100 mg/L                                                 |
|                               | * Total Nitrogen is calculated as the sum of ammonia, nitrate-nitrite and organic nitrogen                   |                                                          |

## Sector K – Hazardous Waste Treatment, Storage or Disposal Facilities

|                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
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| <p><b>Applicability</b></p> | <p>The requirements listed under this section apply to <i>stormwater discharges associated with industrial activity</i> from facilities that treat, store, or dispose of hazardous wastes, including those that are operating under interim status or a permit under Subtitle C of RCRA (<i>Industrial Activity Code "HZ"</i>). Disposal facilities that have been properly closed and capped, and have no <i>significant materials</i> exposed to <i>stormwater</i>, are considered inactive and do not require permits.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <p><b>Prohibitions</b></p>  | <p>In addition to the general non-<i>stormwater</i> prohibition in Part I.C.1, the <i>discharges</i> not covered by this permit include, but are not limited to:</p> <ul style="list-style-type: none"> <li>• Leachate</li> <li>• Gas collection condensate</li> <li>• Drained free liquids</li> <li>• Contaminated ground water</li> <li>• Laboratory-derived wastewater</li> <li>• Contact washwater from washing truck, railcar and equipment exteriors and surface areas that have come in direct contact with solid waste or daily cover at the landfill facility.</li> </ul> <p>These <i>discharges</i> must be covered under a separate <i>SPDES</i> permit</p>                                                                                                                                                                                                                                                                                                                 |
| <p><b>Definitions</b></p>   | <p><i>The following definitions are only for this section of the general permit:</i></p> <p><i>"Contaminated groundwater"</i> means water below the land surface in the zone of saturation which has been contaminated by activities associated with waste disposal.</p> <p><i>"Contaminated stormwater"</i> means <i>stormwater</i> that comes in direct contact with landfill wastes, the waste handling and treatment areas, or landfill wastewater as defined below. Some specific areas of a landfill that may produce contaminated <i>stormwater</i> include, but are not limited to: the open face of an active landfill with exposed waste (including areas with daily cover); the areas around wastewater treatment operations; trucks, equipment or machinery that has been in direct contact with the waste; and waste dumping areas.</p> <p><i>"Drained free liquids"</i> means aqueous wastes drained from waste containers (e.g., drums, etc.) prior to landfilling.</p> |

Definitions (Continued)

"*Land treatment facility*" means a facility or part of a facility at which solid waste, including hazardous waste, is applied onto or incorporated into the soil surface. Such facilities are disposal facilities if the waste will remain after closure.

"*Landfill*" means a disposal facility or part of a facility where solid waste, including hazardous waste, is placed in or on land, and which is not a pile, a land treatment facility, a surface impoundment, an underground injection well, a salt dome formation, a salt bed formation, an underground mine, a cave, or a corrective action management unit.

"*Landfill wastewater*" as defined in 40 CFR Part 445 (Landfills *Point Source* Category) means all wastewater associated with, or produced by, landfilling activities except for sanitary wastewater, noncontaminated *stormwater*, contaminated ground water, and wastewater from recovery pumping wells. Landfill wastewater includes, but is not limited to, leachate, gas collection condensate, drained free liquids, laboratory derived wastewater, contaminated *stormwater* and contact washwater from washing truck, equipment, and railcar exteriors and surface areas that have come in direct contact with solid waste at the landfill facility.

"*Leachate*" means a liquid, including any suspended components or dissolved compounds in the liquid, which has been in contact with or passed through solid waste, including hazardous waste.

"*Noncontaminated stormwater*" means *stormwater* that does not come into direct contact with landfill wastes, the waste handling and treatment areas, or landfill wastewater as defined above. Noncontaminated *stormwater* includes *stormwater* that flows off the final cover of the landfill, runoff from intermediate cover that has not come in contact with leachate or waste and runoff from inactive portions of the landfill which are segregated from active portions of the landfill.

"*Pile*" means any noncontainerized accumulation of solid, nonflowing hazardous waste that is used for treatment or storage and that is not a containment building.

"*Surface impoundment*" or "*impoundment*" means a facility or part of a facility which is a natural topographical depression, human-made excavation, or diked area formed primarily of earthen materials (although it may be lined with human-made materials), which is designed to hold an accumulation of liquid wastes or wastes containing free liquids, and which is not an injection well. Examples of surface impoundments are holding, storage, settling, and aeration pits, ponds and lagoons.

Numeric Effluent Limitations

As set forth at 40 CFR Part 445 Subpart A, the numeric limitations in Table VII-K-1 apply to contaminated *stormwater discharges* from hazardous waste landfills subject to the provisions of RCRA Subtitle C at 40 CFR Parts 264 (Subpart N) and 265 (Subpart N) except for any of the facilities described in subdivisions "a" through "d" of this subsection:

- a. Landfills operated in conjunction with other industrial or commercial operations when the landfill only receives wastes generated by the industrial or commercial operation directly associated with the landfill;
- b. Landfills operated in conjunction with other industrial or commercial operations when the landfill receives wastes generated by the industrial or commercial operation directly associated with the landfill and also receives other wastes provided the other wastes received for disposal are generated by a facility that is subject to the same provisions in 40 CFR Subchapter N as the industrial or commercial operation or the other wastes received are of similar nature to the wastes generated by the industrial or commercial operation;
- c. Landfills operated in conjunction with Centralized Waste Treatment (CWT) facilities subject to 40 CFR Part 437 so long as the CWT facility commingles the landfill wastewater with other nonlandfill wastewater for *discharge*. A landfill directly associated with a CWT facility is subject to this part if the CWT facility *discharges* landfill wastewater separately from other CWT wastewater or commingles the wastewater from its landfill only with wastewater from other landfills; or
- d. Landfills operated in conjunction with other industrial or commercial operations when the landfill receives wastes from public service activities so long as the company owning the landfill does not receive a fee or other remuneration for the disposal service.

**Table VII-K-1.  
Sector K - Numeric Effluent Limitations**

| Parameter                                                                                                                                                                              | Effluent Limitations |                |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|----------------|
|                                                                                                                                                                                        | Daily Maximum        | 30-day Average |
| <b>Hazardous Waste Treatment, Storage, or Disposal Facilities (Industrial Activity Code "HZ") Subject to the <i>Point Source</i> Category Provisions of 40 CFR Part 445 Subpart A.</b> |                      |                |
| Biochemical Oxygen Demand (BOD5)                                                                                                                                                       | 220 mg/L             | 56 mg/L        |
| Total Suspended Solids (TSS)                                                                                                                                                           | 88 mg/L              | 27 mg/L        |
| Ammonia                                                                                                                                                                                | 10 mg/L              | 4.9 mg/L       |

|                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                            |                |
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|                                             | Alpha Terpineol                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 0.042 mg/L                                 | 0.019 mg/L     |
|                                             | Aniline                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 0.024 mg/L                                 | 0.015 mg/L     |
|                                             | Benzoic Acid                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 0.119 mg/L                                 | 0.073 mg/L     |
|                                             | Naphthalene                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 0.059 mg/L                                 | 0.022 mg/L     |
|                                             | p-Cresol                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 0.024 mg/L                                 | 0.015 mg/L     |
|                                             | Phenol                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 0.048 mg/L                                 | 0.029 mg/L     |
|                                             | Pyridine                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 0.072 mg/L                                 | 0.025 mg/L     |
|                                             | Arsenic (Total)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 1.1 mg/L                                   | 0.54 mg/L      |
| Numeric Effluent Limitations<br>(Continued) | Table VII-K-1 (Continued)<br>Sector K - Numeric Effluent Limitations                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                            |                |
|                                             | Parameter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Effluent Limitations                       |                |
|                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Daily Maximum                              | 30-day Average |
|                                             | Hazardous Waste Treatment, Storage, or Disposal Facilities (Industrial Activity Code "HZ") Subject to the <i>Point Source</i> Category Provisions of 40 CFR Part 445 Subpart A. (Continued)                                                                                                                                                                                                                                                                                                              |                                            |                |
|                                             | Chromium (Total)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 1.1 mg/L                                   | 0.46 mg/L      |
|                                             | Zinc (Total)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 0.535 mg/L                                 | 0.296 mg/L     |
|                                             | Total Mercury*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 50 ng/L                                    |                |
|                                             | pH                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 6.0 to 9.0 SU                              |                |
|                                             | *Mercury analysis shall be by EPA Method 1631                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                            |                |
| Benchmarks                                  | Owner or operators with hazardous waste treatment, storage or disposal facilities (TSDFs) are required to monitor their <i>stormwater discharges</i> for the <i>pollutants</i> of concern listed in Table VII-K-2. These <i>benchmark monitoring cut-off concentrations</i> apply to <i>stormwater discharges associated with industrial activity</i> other than contaminated <i>stormwater discharges</i> from landfills subject to the numeric <i>effluent limitations</i> set forth in Table VII-K-1. |                                            |                |
|                                             | Table VII-K-2<br>Sector K - Benchmark Monitoring Requirement                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                            |                |
|                                             | Pollutants of Concern                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Benchmark Monitoring Cut-off Concentration |                |
|                                             | Hazardous Waste Treatment, Storage, or Disposal Facilities (Industrial Activity Code "HZ")                                                                                                                                                                                                                                                                                                                                                                                                               |                                            |                |
|                                             | Total Nitrogen (TN)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 6 mg/L                                     |                |
|                                             | Total Suspended Solids (TSS)                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 100 mg/L                                   |                |
|                                             | Chemical Oxygen Demand (COD)                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 120 mg/L                                   |                |
|                                             | Total Recoverable Magnesium                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 64 ug/L                                    |                |
|                                             | Total Recoverable Arsenic                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 150 ug/L                                   |                |

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|  | Total Recoverable Cadmium                                                                  | 1.8 ug/L |
|  | Total Cyanide                                                                              | 22 ug/L  |
|  | Total Recoverable Lead                                                                     | 69 ug/L  |
|  | Total Recoverable Selenium                                                                 | 5 ug/L   |
|  | Total Recoverable Silver                                                                   | 3.0 ug/L |
|  | * Total Nitrogen is calculated as the sum of ammonia, nitrate-nitrite and organic nitrogen |          |

## Sector L – Landfills, Land Application Sites and Non-Compliant Landfills

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| <b>Applicability</b>                      | <p>The requirements listed under this section apply to <i>stormwater discharges associated with industrial activity</i> from waste disposal at landfills, land application sites, construction and demolition debris landfills, and non-compliant landfills (Industrial Activity Code "LF") that receive or have received <i>industrial wastes</i> (waste that is received from <i>industrial activities</i> at any of the facilities described under 40 CFR Part 122.26(b)(14) categories (i) - (xi)). The requirements listed under this section are intended to apply to initial, as well as ongoing <i>construction activities</i> at landfills. [Note: Non-compliant landfills are solid waste disposal units that are not in compliance with <i>State/federal</i> criteria established under RCRA Subtitle D.] Landfills that have been closed in accordance with 6 NYCRR Part 360 are not required to maintain <i>SPDES</i> permit coverage for <i>stormwater discharges</i> provided that the landfill is or has been maintained under a post closure care program.</p> |
| <b>Special Conditions</b>                 | <p>The SWPPP must address the <i>stormwater</i> run-on and run-off control systems needed during the landfill's construction, operation and closure phases prior to commencement of any soils disturbance of one or more acres of land. The plan must be prepared in accordance with the New York Standards and Specifications for Erosion and Sediment Control, (2016) and the New York State <i>Stormwater</i> Management Design Manual, 2015. If alternative erosion and sediment controls or <i>stormwater</i> management practices are proposed, the <i>owner or operator</i> must demonstrate equivalence to these <i>technical standards</i>.</p> <p>The SWPPP must be kept current and must address effective <i>stormwater</i> controls for all appurtenances and components associated with the landfill, including but not limited to, haul roads, paved areas, associated buildings and structures, landfill surfaces, perimeter ditches and berms.</p>                                                                                                             |
| <b>Prohibitions</b>                       | <p>In addition to the general non-<i>stormwater</i> prohibition in Part I.C.1, the <i>discharges</i> not covered by this permit include, but are not limited to:</p> <ul style="list-style-type: none"> <li>• Leachate</li> <li>• Gas collection condensate</li> <li>• Drained free liquids</li> <li>• Contaminated ground water</li> <li>• Laboratory wastewater</li> <li>• Contact wash water from washing truck, railcar and equipment exteriors and surface areas that have come in direct contact with solid waste or daily cover at the landfill facility.</li> </ul> <p>These <i>discharges</i> must be covered under a separate <i>SPDES</i> permit.</p>                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Non-<br/>Stormwater<br/>discharges</b> | <p><u>Non-<i>stormwater</i> discharge test certification</u> - The <i>discharge</i> test and certification must also be conducted for the presence of leachate and vehicle washwater.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

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| Definitions | <p><i>The following definitions are only for this section of the general permit:</i></p> <p><i>"Contaminated groundwater"</i> means water below the land surface in the zone of saturation which has been contaminated by activities associated with waste disposal.</p> <p><i>"Contaminated stormwater"</i> means <i>stormwater</i> that comes in direct contact with landfill wastes, the waste handling and treatment areas, or landfill wastewater as defined below. Some specific areas of a landfill that may produce contaminated <i>stormwater</i> include, but are not limited to: the open face of an active landfill with exposed waste (including areas with daily cover); the areas around wastewater treatment operations; trucks, equipment or machinery that has been in direct contact with the waste; and waste dumping areas.</p> <p><i>"Drained free liquids"</i> means aqueous wastes drained from waste containers (e.g., drums, etc.) prior to landfilling.</p> <p><i>"Land application facility"</i> means a site where solid waste is applied to the soil surface or injected into the upper layer of the soil to improve soil quality or provide plant nutrients. Solid waste suitable for this purpose includes, but is not limited to, certain food processing waste, sewage treatment plant sludge and septage.</p> <p><i>"Landfill"</i> means land or a disposal facility or part of one where solid waste or its residue after treatment is intentionally placed and which is not a land application facility, surface impoundment, injection well or waste pile.</p> <p><i>"Landfill wastewater"</i> as defined in 40 CFR Part 445 (Landfills <i>Point Source</i> Category) means all wastewater associated with, or produced by, landfilling activities except for sanitary wastewater, noncontaminated <i>stormwater</i>, contaminated <i>groundwater</i>, and wastewater from recovery pumping wells. Landfill wastewater includes, but is not limited to, leachate, gas collection condensate, drained free liquids, laboratory-derived wastewater, contaminated <i>stormwater</i> and contact washwater from washing truck, equipment, and railcar exteriors and surface areas that have come in direct contact with solid waste at the landfill facility.</p> <p><i>"Leachate"</i> means any solid waste in the form of a liquid, including any suspended components in the liquid, that results from contact with or passage through solid waste.</p> <p><i>"Noncontaminated stormwater"</i> means <i>stormwater</i> that does not come into direct contact with landfill wastes, the waste handling and treatment areas, or landfill wastewater as defined above. Noncontaminated <i>stormwater</i> includes <i>stormwater</i> that flows off the final cover of the landfill, runoff from intermediate cover that has not come in contact with leachate or waste and runoff from portions of the landfill where waste has not yet been disposed of and which are segregated from active portions of the landfill.</p> <p><i>"Surface impoundment"</i> means a solid waste management facility or part of one that is a natural topographical depression, excavation, or diked area formed primarily of earthen materials (although it may be lined with synthetic materials), that is designed to hold solid waste in semisolid or liquid form and that is not an injection</p> |
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|                                                   | well. Examples of surface impoundments are holding, storage, settling, and aeration pits, ponds and lagoons.                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>SWPPP Requirements in addition to Part III</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>SWPPP Preparer</b>                             | All SWPPPs that require post-construction <i>stormwater</i> management controls shall be prepared by a <i>qualified professional</i> .                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Site Map</b>                                   | <p>The site map shall identify where any of the following may be exposed to precipitation/surface runoff:</p> <ul style="list-style-type: none"> <li>• Active and closed landfill cells or trenches</li> <li>• Active and closed land application areas</li> <li>• Locations where open dumping is occurring or has occurred</li> <li>• Locations of any known leachate breakouts or other areas where uncontrolled leachate may commingle with runoff</li> <li>• Leachate collection and handling systems</li> </ul> |

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| <p><b>Summary of Potential Pollutant Sources</b></p> | <p>The SWPPP shall also include a description of potential <i>pollutant</i> sources associated with any of the following:</p> <ul style="list-style-type: none"> <li>• Fertilizer, herbicide and pesticide application</li> <li>• Earth/soil moving</li> <li>• Waste hauling and loading/unloading</li> <li>• Outdoor storage of <i>significant materials</i> including daily, interim and final cover material stockpiles, as well as, temporary waste storage areas</li> <li>• Exposure of active and inactive landfill and land application areas</li> <li>• Uncontrolled leachate flows</li> <li>• Failure or leaks from leachate collection and treatment systems</li> </ul> |
| <p><b>Additional Non-Numeric Effluent Limits</b></p> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

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| <p style="text-align: center;"><b>Good Housekeeping</b></p>                 | <p>The SWPPP shall describe and provide for implementation of <i>BMPs</i> that prevent or <i>minimize</i> the potential of any residual fluids from coming in contact with precipitation/runoff. The SWPPP shall document considerations of the following <i>BMPs</i> (or their equivalents):</p> <ul style="list-style-type: none"> <li>• Protected storage areas for pesticides, herbicides, fertilizer and other significant materials.</li> <li>• A schedule of regular inspections of equipment for leaks, spills, malfunctioning, worn or corroded parts or equipment;</li> <li>• Frequent sweeping of haul and access roads and the use of dry absorbent or wet vacuum cleanup methods, to contain or dispose/recycle residual liquids originating from recyclable containers;</li> <li>• Prohibit the practice of allowing wash water from tipping floors or other processing areas from discharging to the storm sewer system;</li> <li>• A preventive maintenance program for processing equipment;</li> <li>• The plan shall address measures and controls to <i>minimize</i> contact of residual liquids and particulate matter from materials stored indoors or under cover from coming in contact with surface runoff.</li> <li>• Disconnect or seal off all floor drains connected to the storm sewer system</li> <li>• Drums containing liquids, especially oil and lubricants, should be stored: indoors; in a bermed area; in overpack containers or spill pallets; or in similar containment devices; and</li> <li>• Drip pans or equivalent measures shall be placed under any leaking piece of stationary equipment until the leak is repaired. The drip pans shall be inspected for leaks and potential overflow and all liquids properly disposed of in accordance with RCRA requirements.</li> </ul> |
| <p style="text-align: center;"><b>Good Housekeeping<br/>(Continued)</b></p> | <p>The SWPPP shall document considerations of the following <i>BMPs</i> (or their equivalents):</p> <ul style="list-style-type: none"> <li>• Containment or diversion structures such as dikes, berms, culverts, trenches, elevated concrete pads, and grading installed where appropriate to <i>minimize</i> contact of <i>stormwater</i> runoff with outdoor processing equipment or stored materials;</li> <li>• Diversion of runoff away from storage areas via dikes, berms, containment trenches, culverts and surface grading;</li> <li>• Covers over containment bins, dumpsters, roll-off boxes</li> <li>• Permanent or semi-permanent covers over areas where materials are transferred, stored or stockpiled;</li> <li>• Sediment traps, vegetated swales and strips, catch basin filters and sand filters to facilitate settling or filtering of sediments</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

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| <p style="text-align: center;"><b>Spill Prevention &amp; Response</b></p>  | <p>The SWPPP shall include <i>BMPs</i> to <i>minimize stormwater</i> contamination at loading/unloading areas, and from equipment or container failures. The plan may refer to applicable portions of other existing plans such as SPCC plans required under 40 CFR Part 112. The SWPPP must:</p> <ul style="list-style-type: none"> <li>• Describe spill prevention and response measures to address areas that are potential sources of fluid leaks or spills;</li> <li>• Provide for immediate containment and clean up of spills/leaks. If malfunctioning equipment is responsible for the spill/leak, repairs shall also be conducted as soon as possible;</li> <li>• Specify cleanup procedures including the use of dry absorbents. Where dry absorbent cleanup methods are used, an adequate supply of dry absorbent material shall be maintained on-site. Used absorbent material shall be disposed of properly;</li> <li>• Drip pans or equivalent measures shall be placed under any leaking piece of stationary equipment until the leak is repaired. The drip pans shall be inspected for leaks and potential overflow and all liquids properly disposed of in accordance with RCRA requirements</li> </ul> <p>The SWPPP shall document considerations of the following <i>BMPs</i> (or their equivalents):</p> <ul style="list-style-type: none"> <li>• Store drums containing liquids, especially oil and lubricants indoors; in a bermed area; in overpack containers or spill pallets; or in similar containment devices;</li> <li>• Install overfill prevention devices on all fuel pumps or tanks;</li> <li>• Install an alarm and/or pump shut off system should be installed on outdoor equipment with hydraulic reservoirs exceeding 150 gallons in order to prevent draining the tank contents in the event of a line break. Alternatively, the equipment may have a secondary containment system capable of containing the contents of the hydraulic reservoir plus adequate freeboard for precipitation</li> </ul> |
| <p style="text-align: center;"><b>Preventative Maintenance Program</b></p> | <p>The <i>owner or operator</i> shall maintain:</p> <ul style="list-style-type: none"> <li>• All containers used for outdoor chemical/<i>significant materials</i> storage to prevent leaking</li> <li>• All elements of leachate collection and treatment systems to prevent commingling of leachate with <i>stormwater</i></li> <li>• The integrity and effectiveness of any intermediate or final cover (including making repairs to the cover as necessary to <i>minimize</i> the effects of settlement, sinking, and erosion).</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

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| Erosion and Sediment Control Plan | <p>An erosion and sediment control (ESC) plan must be developed and implemented for all activities associated with the landfill construction, operation or closure that result in a soil disturbance with the potential for <i>stormwater discharge</i> to <i>surface waters of the State</i>. <u>Stormwater runoff that is handled as leachate and from areas that have achieved <i>final stabilization</i> are not subject to these requirements.</u> This plan shall include details of temporary and permanent structural and vegetative measures that will be used to control erosion and sedimentation for all areas that result in a soil disturbance. The design, installation, inspection, maintenance and repair of erosion and sediment controls shall conform to the New York Standards and Specifications for Erosion and Sediment Control, 2016, or equivalent.</p> <p>If any phase of the landfill construction or closure will result in the disturbance of five (5) or more acres of land at any one time, the <i>owner or operator</i> must obtain approval from the Regional Office <i>stormwater</i> contact person prior to disturbing more than five acres.</p> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                                   | ESC Inspections                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <p>The <i>owner or operator</i> shall have a <i>qualified person</i> conduct site inspections of erosion and sediment controls in areas with <u>potential to <i>discharge</i> to surface water</u> as follows:</p> <ul style="list-style-type: none"> <li>• All erosion and sediment control practices and all post-construction <i>stormwater</i> management practices in areas <u>with potential for <i>stormwater discharge</i> to surface water</u>, to ensure integrity and effectiveness to ensure that practices are constructed as indicated in the SWPPP addressing the operation phase;</li> <li>• All areas of disturbance in areas with potential for <i>stormwater discharge</i> to surface water that have not achieved <i>final stabilization</i>;</li> <li>• All points of <i>discharge</i> to natural surface waterbodies located within, or immediately adjacent to, the property boundaries of the <i>construction activity</i>; and,</li> <li>• All points of <i>discharge</i>.</li> </ul> |
|                                   | ESC Inspection Frequency                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <p>For sites where soil disturbance activities are on-going, the <i>qualified person</i> shall conduct a site inspection at least once every seven (7) calendar days.</p> <p>Where soil disturbance activities are on-going and the <i>owner or operator</i> has received authorization to disturb greater than five (5) acres of soil at any one time, the <i>qualified person</i> shall conduct at least two (2) site inspections every seven (7) calendar days. The two (2) inspections shall be separated by a minimum of two (2) full calendar days.</p> <p>Where soil disturbance activities have been temporarily suspended (e.g. winter shutdown) and <i>temporary stabilization</i> measures have been applied to all disturbed areas, the <i>qualified person</i> shall conduct a site inspection at least once every thirty (30) calendar days.</p>                                                                                                                                                 |

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| Erosion and Sediment Control Plan | ESC Inspection Reports   | <p>At a minimum, the inspection report shall include and/or address the following:</p> <ul style="list-style-type: none"> <li>• Date and time of inspection;</li> <li>• Name and title of person(s) performing inspection;</li> <li>• A description of the weather and soil conditions (e.g. dry, wet, saturated) at the time of the inspection;</li> <li>• A description of the condition of the runoff at all points of <i>discharge</i> from the site.</li> <li>• Identify any <i>discharges</i> of sediment or other <i>pollutants</i> from the site, including <i>discharges</i> from conveyance systems (i.e. pipes, culverts, ditches, etc.) and overland flow;</li> <li>• A description of the condition of all natural surface water bodies located within, or immediately adjacent to, the property boundaries of the site which receive runoff from disturbed areas. This shall include identification of any <i>discharges</i> of sediment to the surface water body;</li> <li>• Identification of all <i>BMPs</i> and erosion and sediment control practices that need repair or maintenance</li> <li>• Identification of all <i>BMPs</i> and erosion and sediment control practices that were not installed properly or are not functioning as designed and need to be reinstalled or replaced;</li> <li>• Description and sketch of areas that are disturbed at the time of the inspection and areas that have been stabilized (temporary and/or final) since the last inspection;</li> <li>• Corrective action(s) that must be taken to install, repair, replace or maintain erosion and sediment control practices; and to correct deficiencies identified with the construction of the post-construction <i>stormwater</i> management practice(s)</li> <li>• Digital photographs, with date stamp, that clearly show the condition of all practices that have been identified as needing corrective actions. The <i>qualified person</i> shall attach paper color copies of the digital photographs to the inspection report being maintained onsite within seven (7) calendar days of the date of the inspection. The <i>qualified person</i> shall also take digital photographs, with date stamp, that clearly show the condition of the practice(s) after the corrective action has been completed. The <i>qualified person</i> shall attach paper color copies of the digital photographs to the inspection report that documents the completion of the corrective action work within seven (7) calendar days of that inspection</li> <li>• An inspection report shall be completed and signed by the <i>qualified person</i> for each inspection. All inspection reports shall be maintained on site with the SWPPP.</li> </ul> |
|                                   | ESC Inspection Follow-Up | <p>Within one (1) business day of the completion of an inspection, the <i>qualified person</i> shall notify the <i>owner or operator</i> and appropriate contractor of any corrective actions that need to be</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

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|                                                  |  | taken. The <i>owner or operator</i> shall begin implementing the corrective actions within one (1) business day of this notification and shall complete the corrective actions within seven (7) calendar days unless otherwise notified by the <i>Department</i> .                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Post Construction Stormwater Management Controls |  | <p><i>Stormwater</i> runoff from all <i>impervious areas</i> that is not handled as leachate shall be captured and treated by post-construction <i>stormwater</i> management controls. The design, construction and maintenance of all post-construction <i>stormwater</i> management controls shall conform to the New York State <i>Stormwater</i> Management Design Manual, 2015. If alternative post construction controls are proposed, the <i>owner or operator</i> must demonstrate equivalence to this technical standard.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|                                                  |  | <p>At a minimum, the post-construction <i>stormwater</i> management practice component of the SWPPP shall include the following:</p> <ol style="list-style-type: none"> <li>Identification, dimensions, material specifications and installation details of all post-construction <i>stormwater</i> management practices to be constructed;</li> <li>A site map/construction drawing(s) at a scale of 1" = 50' or less, showing the specific location and size of each post-construction <i>stormwater</i> management practice;</li> <li>A <i>Stormwater</i> Modeling and Analysis Report that includes: <ol style="list-style-type: none"> <li>Map(s) showing pre-development conditions, including watershed/subcatchment boundaries, flow paths/routing, and design points;</li> <li>Map(s) showing post-development conditions, including watershed/subcatchments boundaries, flow paths/routing, design points and post-construction <i>stormwater</i> management practices;</li> <li>Results of <i>stormwater</i> modeling (i.e. hydrology and hydraulic analysis) for the required storm events. Include supporting calculations (model runs), methodology, and a summary table that compares pre and post-development runoff rates and volumes for the different storm events;</li> <li>Summary table, with supporting calculations, which demonstrate that each post-construction <i>stormwater</i> management practice has been designed in conformance with the sizing criteria included in the 2015 New York State <i>Stormwater</i> Management Design Manual;</li> <li>Identification of any sizing criteria that is not required based on the waiver criteria included in the 2015 New York State <i>Stormwater</i> Management Design Manual; and</li> <li>Identification of any elements of the design that are not in conformance with the 2015 New York State <i>Stormwater</i> Management Design Manual. Include the identification of and justification for any deviations from the 2015 New York State <i>Stormwater</i> Management Design Manual;</li> </ol> </li> <li>Soil test results (test pit, borings);</li> <li>Infiltration test results, when required; and</li> <li>An operations and maintenance plan that includes inspection and maintenance schedules and actions to ensure continuous and effective operation of each post-construction <i>stormwater</i> management practice. The plan shall identify the entity that will be responsible for the long term operation and maintenance of each practice and a description of applicable easements, vegetative requirements, access and safety issues, and testing and disposal of sediments as they are removed.</li> </ol> |

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| <b>Post Construction<br/>Stormwater<br/>Management Controls<br/>(Continued)</b> | <p>Enhanced Phosphorus Removal Standards – Landfills that are located in the following watersheds shall prepare a SWPPP that includes post-construction <i>stormwater</i> management practices designed in conformance with the Enhanced Phosphorus Removal Standards included in the applicable version of the New York State <i>Stormwater</i> Management Design Manual.</p> <ul style="list-style-type: none"> <li>• New York City East of Hudson Drinking Water Supply Watershed</li> <li>• Onondaga Lake Watershed</li> <li>• Greenwood Lake Watershed</li> <li>• Oscawana Lake Watershed</li> </ul>                                                                                                                                                                                                                                    |
| <b>Routine<br/>Inspections</b>                                                  | <p>All <i>BMPs</i> (other than Erosion &amp; Sediment Controls) at facilities shall be inspected by a <i>qualified person</i> for evidence of actual or potential <i>discharges</i> of contaminated <i>stormwater</i> and shall include the following areas:</p> <ul style="list-style-type: none"> <li>• Chemical handling and storage areas</li> <li>• Vehicle &amp; Equipment Maintenance Areas</li> <li>• Fueling Areas</li> <li>• Active land application areas</li> <li>• Areas used for storage of materials/wastes that are exposed to precipitation</li> <li>• Leachate collection and treatment systems</li> <li>• Locations where equipment and waste trucks enter and exit the site</li> <li>• Other potential sources of pollution</li> </ul> <p>Temporarily or permanently inactive facilities shall be inspected annually</p> |
| <b>Routine<br/>Inspection<br/>Frequencies</b>                                   | <p><u>Operating landfills</u>, non-compliant landfills, and land application sites shall be inspected at least once every seven days.</p> <p><u>Inspections of inactive sites</u> - Inactive landfills, non-compliant landfills, and land application sites shall be inspected at least quarterly. A <i>qualified person</i> shall inspect landfill stabilization and structural erosion <i>control measures</i> and leachate collection and treatment systems, and all closed land application areas</p>                                                                                                                                                                                                                                                                                                                                    |
| <b>Employee Training</b>                                                        | <p>Training and Education – Staff must be trained in prevention of contamination to <i>stormwater</i>. In addition to the requirements in Part III, training topics must include</p> <ul style="list-style-type: none"> <li>• Identification of material that is not accepted at the facility</li> <li>• How to identify and remedy leaky containers</li> <li>• Dry clean up methods.</li> </ul> <p>The <i>owner or operator</i> must educate incoming drivers on:</p> <ul style="list-style-type: none"> <li>• Materials not accepted by the facility</li> <li>• Preventing contamination to <i>stormwater</i> from leaky vehicles</li> <li>• Prohibition of non-<i>stormwater discharges</i>, including but not limited to waste water from truck washout.</li> </ul>                                                                      |

Numeric Effluent Limitations

As set forth at 40 CFR Part 445 Subpart B, the numeric *effluent limitations* in Table VII-L-1 apply to:

1. contaminated *stormwater discharges* from municipal solid waste landfills (MSWLFs) that have not been closed in accordance with 40 CFR 258.60; and,
2. contaminated *stormwater discharges* from those landfills that are subject to the provisions of 40 CFR Part 257 except for *discharges* from any of the facilities described in subdivisions "a" through "d" of this subsection:
  - a. Landfills operated in conjunction with other industrial or commercial operations when the landfill receives only wastes generated by the industrial or commercial operation directly associated with the landfill;
  - b. Landfills operated in conjunction with other industrial or commercial operations when the landfill receives wastes generated by the industrial or commercial operation directly associated with the landfill and also receives other wastes provided the other wastes received for disposal are generated by a facility that is subject to the same provisions in 40 CFR Subchapter N as the industrial or commercial operation or the other wastes received are of a nature similar to the wastes generated by the industrial or commercial operation;
  - c. Landfills operated in conjunction with centralized waste treatment (CWT) facilities subject to 40 CFR Part 437 so long as the CWT facility commingles the landfill wastewater with other non-landfill wastewater for *discharge*. A landfill directly associated with a CWT facility is subject to this part if the CWT facility *discharges* landfill wastewater separately from other CWT wastewater or commingles the wastewater from its landfill only with wastewater from other landfills; or
  - d. Landfills operated in conjunction with other industrial or commercial operations when the landfill receives wastes from public service activities so long as the company owning the landfill does not receive a fee or other remuneration for the disposal service

**Table VII-L-1.  
Sector L - Numeric Effluent Limitations**

| Parameter                                                                                                                                      | Effluent Limitations |                |
|------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|----------------|
|                                                                                                                                                | Daily Maximum        | 30-day Average |
| <b>Landfills (Industrial Activity Code "LF") That Are Subject to the <i>Point Source</i> Category Provisions of 40 CFR Part 445 Subpart B.</b> |                      |                |
| Biochemical Oxygen Demand (BOD <sub>5</sub> )                                                                                                  | 140 mg/L             | 37 mg/L        |
| Total Suspended Solids (TSS)                                                                                                                   | 88 mg/L              | 27 mg/L        |
| Ammonia                                                                                                                                        | 10 mg/L              | 4.9 mg/L       |
| Alpha Terpineol                                                                                                                                | 0.033 mg/L           | 0.016 mg/L     |
| Benzoic Acid                                                                                                                                   | 0.12 mg/L            | 0.071 mg/L     |
| p-Cresol                                                                                                                                       | 0.025 mg/L           | 0.014 mg/L     |

|            |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                   |            |
|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|------------|
|            | Phenol                                                                                                                                                                                                                                                                                                                                                                                                                                             | 0.026 mg/L                                        | 0.015 mg/L |
|            | Zinc (Total)                                                                                                                                                                                                                                                                                                                                                                                                                                       | 0.20 mg/L                                         | 0.11 mg/L  |
|            | pH                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 6.0 to 9.0 SU                                     |            |
| Benchmarks | Landfill and land application sites are required to monitor their <i>stormwater discharges</i> for the <i>pollutants</i> of concern listed in Table VII-L-2. These <i>benchmark monitoring cut-off concentrations</i> apply to <i>stormwater discharges associated with industrial activity</i> other than contaminated <i>stormwater discharges</i> from landfills subject to the numeric <i>effluent limitations</i> set forth in Table VII-L-1. |                                                   |            |
|            | Table VII-L-2<br>Sector L - <i>Benchmark Monitoring Requirements</i>                                                                                                                                                                                                                                                                                                                                                                               |                                                   |            |
|            | <i>Pollutants of Concern</i>                                                                                                                                                                                                                                                                                                                                                                                                                       | <i>Benchmark Monitoring Cut-off Concentration</i> |            |
|            | Landfills, Land Application Sites and Non-Compliant Landfills (Industrial Activity Code "LF").                                                                                                                                                                                                                                                                                                                                                     |                                                   |            |
|            | Total Suspended Solids (TSS)                                                                                                                                                                                                                                                                                                                                                                                                                       | 100 mg/L                                          |            |
|            | Total Nitrogen (TN)*                                                                                                                                                                                                                                                                                                                                                                                                                               | 6 mg/L                                            |            |
|            | Total Phosphorus (TP)                                                                                                                                                                                                                                                                                                                                                                                                                              | 2 mg/L                                            |            |
|            | Total Recoverable Iron                                                                                                                                                                                                                                                                                                                                                                                                                             | 1 mg/L                                            |            |
|            | Landfills, Land Application Sites and Non-Compliant Landfills, Except Municipal Solid Waste Landfill Areas Closed in Accordance With 40 CFR 258.60 (Industrial Activity Code "LF")                                                                                                                                                                                                                                                                 |                                                   |            |
|            | Total Suspended Solids (TSS)                                                                                                                                                                                                                                                                                                                                                                                                                       | 100 mg/L                                          |            |
|            | Total Recoverable Iron                                                                                                                                                                                                                                                                                                                                                                                                                             | 1 mg/L                                            |            |
|            | * Total Nitrogen is calculated as the sum of ammonia, nitrate-nitrite and organic nitrogen                                                                                                                                                                                                                                                                                                                                                         |                                                   |            |

## Sector M - Automobile Salvage Yards

|                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|---------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Applicability                                     | The requirements listed under this section apply to <i>stormwater discharges associated with industrial activity</i> from facilities engaged in dismantling or wrecking used motor vehicles for parts recycling/resale and for scrap (SIC Code 5015).                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Prohibitions<br>Non -Stormwater<br>discharges     | <p>In addition to the general prohibition of non-<i>stormwater discharges</i> in Part I.C.1, the following <i>discharges</i> not covered by this permit include, but are not limited to:</p> <ul style="list-style-type: none"> <li>• <i>Discharges</i> of vehicle, equipment, and floor wash water</li> </ul> <p><b>All wash water <i>discharges</i> must be authorized under a separate <i>SPDES</i> permit or <i>discharged</i> to a sanitary sewer in accordance with applicable industrial pretreatment requirements.</b></p>                                                                                                                                                                                      |
| <b>SWPPP Requirements in addition to Part III</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Site Map                                          | <p>The site map must identify where any of the following may be exposed to precipitation/surface runoff:</p> <ul style="list-style-type: none"> <li>• Vehicle storage areas;</li> <li>• Dismantling areas</li> <li>• Parts storage areas (e.g., engine blocks, tires, hub caps, batteries, hoods, mufflers )</li> <li>• Liquid storage tanks and drums for fuel and other fluids</li> <li>• Location of each <i>discharge</i> and monitoring poin</li> </ul> <p>An estimation (in acres) of the total area used for <i>industrial activity</i> including, but not limited to:</p> <ul style="list-style-type: none"> <li>• Dismantling</li> <li>• Storage</li> <li>• Maintenance of used motor vehicle parts</li> </ul> |
| Summary of Potential<br>Pollutant Sources         | <p>The <i>owner or operator</i> must assess the potential for the following activities to contribute <i>pollutants</i> to <i>stormwater discharges</i>:</p> <ul style="list-style-type: none"> <li>• Vehicle storage areas</li> <li>• Dismantling areas</li> <li>• Parts storage areas (e.g., engine blocks, tires, hub caps, batteries, and hoods )</li> <li>• Fueling stations</li> </ul>                                                                                                                                                                                                                                                                                                                             |

| Additional Non-Numeric Effluent Limits  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
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| Good Housekeeping Measures              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Vehicle Dismantling & Maintenance Areas | <p>The SWPPP must describe <i>BMPs</i> that prevent or <i>minimize</i> contamination of <i>stormwater</i> runoff from all areas used for vehicle dismantling and maintenance. The SWPPP shall document considerations of the following <i>BMPs</i> (or their equivalents):</p> <ul style="list-style-type: none"> <li>• Inspect all incoming vehicles for leaks and take appropriate actions to prevent the release of automobile fluids to the ground;</li> <li>• Remove fuel, refrigerants and the battery as soon as possible;</li> <li>• Vehicle draining and dismantling activities must be conducted in a bermed area, constructed of concrete or other surfaces that allows equivalent protection to <i>groundwater</i>;</li> <li>• The dismantling area should also be covered;</li> <li>• Promptly transfer any drained fluids to segregated storage containers that are properly labeled and in good condition (e.g, anti-freeze, gasoline, used oil, transmission fluid, brake fluids, window washer fluid) for reuse or recycling;</li> <li>• Drain and collect all fluids to the maximum extent practicable in accordance with best available industry standards from engines, radiators, transmissions, heater core, brake fluid reservoirs, differentials, hoses, fuel tanks, air conditioning units and window washing fluids before crushing or storage over bare ground;</li> <li>• When pulling parts from vehicles in the yard, employ a catch sled or tray to recover the majority of fluids which will be released.</li> <li>• Place drip pans, large plastic sheets, or canvas under vehicles or equipment during maintenance and dismantling activities.</li> <li>• Where drip pans are used, care should be taken to prevent accidental spills.</li> <li>• Properly store batteries for recycling or resale;</li> <li>• Store cracked batteries in a non-leaking covered container;</li> <li>• Do not pour liquid waste down floor drains, sinks, or outdoor storm drain inlets;</li> <li>• Plug floor drains that are connected to the storm or sanitary sewers;</li> <li>• Vehicle dismantling activities shall include removal of lead acid batteries, other lead parts such as tire weights and battery cable ends, mercury switches, other mercury containing parts for recycling;</li> <li>• Recover air conditioner refrigerants using EPA certified recycling equipment;</li> <li>• Maintain an organized inventory of materials used in the maintenance shop;</li> <li>• Nonhazardous substances that are contaminated with a hazardous substance are considered to be a hazardous substance;</li> <li>• Dispose of greasy rags, air filters, and degreasers properly;</li> <li>• Label and track the recycling of waste material (e.g., used oil, spent solvents, batteries);</li> <li>• Drain oil and transmission filters before disposal or recycling;</li> <li>• Inspect the maintenance area regularly for proper implementation of <i>control measures</i>;</li> <li>• Use dry cleanup methods and prohibit the practice of hosing down the shop floor;</li> <li>• Recycle mineral spirits and solvents;</li> <li>• Provide treatment of <i>stormwater discharges</i> with devices such as oil-water separators;</li> <li>• Train employees on proper waste control and disposal procedures</li> </ul> |

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| <p style="text-align: center;"><b>Vehicle Parts and Equipment Storage Areas</b></p>    | <p>The SWPPP must describe <i>BMPs</i> that prevent or <i>minimize</i> contamination of the <i>stormwater</i> runoff from vehicle, parts and equipment storage areas. The SWPPP shall document considerations of the following <i>BMPs</i> (or their equivalents):</p> <ul style="list-style-type: none"> <li>• Use drip pans under all vehicles and equipment waiting for maintenance and during maintenance;</li> <li>• using dry-absorbents or other cleanup practices to collect and dispose of or recycle spilled or leaking fluids or use mercury spill kits for spills from storage of mercury switches</li> <li>• Use large plastic or metal bins with secure lids to store oily parts (e.g., small engine parts);</li> <li>• Install curbing, berms or dikes around storage areas;</li> <li>• Confine storage of parts, equipment and vehicles to designated areas;</li> <li>• Cover all parts storage areas with a permanent cover (e.g., roofs) or temporary cover (e.g., canvas tarps);</li> <li>• Store used batteries within non-leaking secondary containment or by other equivalent means to prevent leaks of acid into <i>stormwater discharges</i>;</li> <li>• Inspect the storage yard for filling drip pans and other problems regularly; and</li> <li>• Train employees on procedures for storage and inspection items.</li> </ul> |
| <p style="text-align: center;"><b>Vehicle, Equipment, and Parts Cleaning Areas</b></p> | <p>The SWPPP must describe <i>BMPs</i> that prevent or <i>minimize</i> contamination of <i>stormwater</i> from all areas used for vehicle, equipment, and parts cleaning. The SWPPP shall document considerations of the following <i>BMPs</i> (or their equivalents):</p> <ul style="list-style-type: none"> <li>• Avoid washing parts or equipment outside;</li> <li>• Designate an area for cleaning activities;</li> <li>• Install curbing, berms or dikes around cleaning areas;</li> <li>• Consider using detergent-based or water-based cleaning systems in place of organic solvent degreasers;</li> <li>• Use phosphate-free biodegradable detergents;</li> <li>• Contain steam cleaning wash waters* or <i>discharge</i> under an applicable <i>SPDES</i> permit;</li> <li>• Inspect cleaning area regularly;</li> <li>• Train employees on proper washing procedures</li> </ul> <p>*Wash waters from vehicle, equipment, and parts cleaning areas are process wastewaters that are not authorized <i>discharges</i> under this section.</p>                                                                                                                                                                                                                                                                                                  |

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| Liquid Storage Areas | <p>The SWPPP must describe <i>BMPs</i> that prevent or <i>minimize</i> contamination of the <i>stormwater</i> runoff from all areas used for liquid storage. The SWPPP shall document considerations of the following <i>BMPs</i> (or their equivalents):</p> <ul style="list-style-type: none"> <li>• Maintain good integrity of all storage containers;</li> <li>• Provide containment and a roof over liquid storage areas;</li> <li>• Inspect storage tanks to detect potential leaks and perform preventive maintenance;</li> <li>• Inspect piping systems (pipes, pumps, flanges, couplings, hoses, and valves) for failures or leaks;</li> <li>• Train employees on proper filling and transfer procedures</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Inspections          | <p>Routine facility inspections conducted by qualified facility personnel identified in Part IV.B shall include, but is not limited to the following:</p> <ul style="list-style-type: none"> <li>• All incoming vehicles upon arrival at the site for leakage;</li> <li>• Outdoor storage of vehicles, parts or equipment for leakage at least quarterly;</li> <li>• Outdoor storage of fluids in tanks or containers for leakage at least quarterly;</li> <li>• Prior to crushing, spot check vehicles for removal of fluids, battery, mercury switches, lead battery connectors, lead tire balance weights, PCB capacitors, etc.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Employee Training    | <p>The SWPPP must include details about an employee training program. Training must be conducted annually at a minimum; however, more frequent training may be necessary at facilities with high employee turnover. Employee training must, at a minimum, address the following areas when applicable to a facility:</p> <ul style="list-style-type: none"> <li>• Used oil management</li> <li>• Spill prevention and response</li> <li>• Purpose, function and maintenance of erosion and sediment control practices;</li> <li>• Good housekeeping practices;</li> <li>• Used battery management;</li> <li>• Removal of parts containing mercury,</li> <li>• Lead and PCBs,</li> <li>• Proper handling (i.e., collection, storage, and disposal) of all fluids</li> <li>• Identification of unpermitted <i>discharges</i> from floor drains, sinks, or outdoor storm drain inlets.</li> <li>• Condition and maintenance needs of <i>stormwater</i> controls</li> <li>• Sump maintenance (regular pumping, use of pads around perimeter to prevent unwanted hazardous materials from entering, etc..)</li> <li>• Condition and maintenance needs for oil water separators, filters and screens used to remove sludges and solids before they reach waste sumps.</li> <li>• Prohibition of the practice of hosing down the shop floor</li> </ul> |

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|                                 | <ul style="list-style-type: none"> <li>Use of dry cleanup methods, and/or collecting the <i>stormwater</i> runoff from the maintenance area</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Management of runoff            | <p>The SWPPP must consider management practices, such as berms or drainage ditches on the property line that may be used to prevent run-on from neighboring properties. Berms must be considered for uncovered outdoor storage of oily parts, engine blocks, and aboveground liquid storage. The <i>owner or operator</i> shall consider the installation of detention ponds, filtering devices, and oil/water separators.</p> <p>Consider using green infrastructure practices such as vegetated swales and constructed wetlands to reduce export of metals in <i>stormwater</i>.</p>                                                                                                                                                                                       |
| Minimize Exposure               | <p>Minimizing exposure prevents <i>pollutants</i>, including waste metal, spare parts, engine blocks and other debris, from coming into contact with precipitation and can reduce the need for <i>BMPs</i> to treat contaminated <i>stormwater</i> runoff. Examples of <i>BMPs</i> for exposure minimization include:</p> <ul style="list-style-type: none"> <li>Covering materials or activities with temporary structures (e.g., tarps) when wet weather is expected</li> <li>Moving materials or activities to existing or new permanent structures (e.g., buildings, silos, sheds).</li> <li>Consolidating processing activities to an area that is covered and bermed with impermeable concrete surface equipped with a drain, where all fluids are drained.</li> </ul> |
| Erosion & Sediment Control Plan | <p>The SWPPP must include an Erosion and Sediment Control plan (ESC plan) addressing the storm water run-on and run-off control systems in all areas of the facility. The ESC plan must be developed by a <i>qualified person</i> and implemented by the <i>owner or operator</i>. The plan must be prepared in accordance the New York Standards and Specifications for Erosion and Sediment control, 2016, or equivalent. Consider using sediment traps, vegetated swales and strips, catch basin filters and sand filters to facilitate settling or filtering of sediments.</p>                                                                                                                                                                                           |
| Spill & Leak Prevention         | <ul style="list-style-type: none"> <li>As indicated in Part II.A.4, the <i>discharge</i> of hazardous substances or petroleum in the <i>stormwater discharge(s)</i> from the facility shall be prevented or <i>minimized</i> in accordance with the <i>stormwater</i> pollution prevention plan for the facility.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

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|                                                                                                        | <ul style="list-style-type: none"> <li>Any spill of petroleum must be reported in accordance with 6 NYCRR Part 613.8. Any spill of a hazardous substance must be reported in accordance with 6 NYCRR Part 595.3.</li> <li>Notification must be reported to the DEC Spill hotline (1-800- 457-7362) within two hours of identifying a release. Spills or leaks outside of containment areas shall be cleaned up immediately and spills or leaks within containment shall be controlled immediately and cleaned up as stated in Part II.A.4.</li> <li>After clean up from a spill, absorbents must be promptly placed in containers for proper disposal.</li> <li>All vehicles that are intended to be dismantled must be properly drained of all fluids prior to being dismantled or crushed, or other equivalent means must be taken to prevent leaks or spills of fluids including motor oil, transmission fluid, fuel and antifreeze.</li> <li>Use mercury spill kits for spills from storage of mercury switches</li> </ul>                                                                                                                                                                                         |
| <p style="writing-mode: vertical-rl; transform: rotate(180deg);">Guidance in Development of SWPPPs</p> | <p><i>Owner or operators</i> operating facilities engaged in dismantling or wrecking used motor vehicles for parts recycling/resale and for scrap (SIC Code 5015) must review the following guidance documents to ensure that operating practices meet regulatory requirements and follow pollution prevention measures which will <i>minimize</i> waste and promote environmental compliance.</p> <p>a. NYSDEC's <u>Environmental Compliance and Pollution Prevention Guide for Automobile Recyclers</u> , January 2003</p> <p>b. <u>Auto Recyclers Guide to a Cleaner Environment - Best Management Practices</u>, April 2001, prepared by the Monroe County Small Business Pollution Prevention Task Force and NYSDEC</p> <p>c. Industrial Fact Sheet Series for Activities Covered by EPA's MSGP <u>Sector M: Automobile Salvage Yards (PDF)</u> (EPA 833-F-06-028) <a href="http://cfpub.epa.gov/npdes/stormwater/swsectors.cfm">http://cfpub.epa.gov/npdes/stormwater/swsectors.cfm</a></p> <p>d. Other helpful information for Vehicle Dismantlers is also available on the <i>Department's</i> web site at <a href="http://www.dec.ny.gov/chemical/8505.html">http://www.dec.ny.gov/chemical/8505.html</a></p> |
| <p>N u m e r .</p>                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

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|                   | No Numeric Effluent Limits specified for this sector.                                                                                             |                                                          |
| <b>Benchmarks</b> | Automobile salvage yards are required to monitor their <i>stormwater discharges</i> for the <i>pollutants</i> of concern listed in Table VII-M-1. |                                                          |
|                   | <b>Table VII-M-1</b><br><b>Sector M - Benchmark Monitoring Requirement</b>                                                                        |                                                          |
|                   | <b><i>Pollutants of Concern</i></b>                                                                                                               | <b><i>Benchmark Monitoring Cut-off Concentration</i></b> |
|                   | <b>Automobile Salvage Yards (SIC 5015)</b>                                                                                                        |                                                          |
|                   | Total Suspended Solids (TSS)                                                                                                                      | 100 mg/L                                                 |
|                   | Oil & Grease                                                                                                                                      | 15 mg/L                                                  |
|                   | Benzene                                                                                                                                           | 50 ug/L                                                  |
|                   | Ethylbenzene                                                                                                                                      | 50 ug/L                                                  |
|                   | Toluene                                                                                                                                           | 50 ug/L                                                  |
|                   | Xylene                                                                                                                                            | 50 ug/L                                                  |
|                   | Total Recoverable Aluminum                                                                                                                        | 750 ug/L                                                 |
|                   | Total Recoverable Iron                                                                                                                            | 1 mg/L                                                   |
|                   | Total Recoverable Lead                                                                                                                            | 69 ug/L                                                  |

## Sector N – Scrap Recycling & Waste Recycling Facilities

|                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
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| <p style="text-align: center;"><b>Applicability</b></p>                                      | <p>The requirements listed under this section apply to <i>stormwater discharges associated with industrial activity</i> from facilities engaged in:</p> <ul style="list-style-type: none"> <li>• Processing, reclaiming and wholesale distribution of scrap (including, but not limited to facilities with activities described by SIC code 5093)</li> <li>• Waste recycling facilities, including recycling facilities commonly referred to as material recovery facilities (MRFs).</li> <li>• Transfer stations with recycling activities, including the collection of source-separated recyclables</li> <li>• Ship dismantling, marine salvaging, and marine wrecking of ships for scrap (SIC 4499). Other activities listed under SIC 4499 are covered in Sector Q.</li> </ul> <p>Vehicle salvage yards engaged in reclaiming and wholesale distribution of used motor vehicle parts (SIC code 5015) are included in Sector M.</p> |
| <p style="text-align: center;"><b>Prohibitions</b><br/><b>Non -Stormwater discharges</b></p> | <p>In addition to the general non-<i>stormwater</i> prohibition in Part I.C.1, non-<i>stormwater discharges</i> from turnings containment areas are not covered by this permit. <i>Discharges</i> from containment areas in the absence of a storm event are prohibited unless covered by a separate <i>SPDES</i> permit</p> <p>Battery re-claimers engaged in breaking up of used lead-acid batteries are not eligible for coverage under this permit.</p> <p>All wash water <i>discharges</i> must be authorized under a separate <i>SPDES</i> permit or <i>discharged</i> to a sanitary sewer in accordance with applicable industrial pretreatment requirements.</p>                                                                                                                                                                                                                                                               |
| <p style="text-align: center;"><b>Special Conditions</b></p>                                 | <p>If any vehicle dismantling activities occur at this facility, the <i>owner or operator</i> must also comply with applicable industry specific requirements outlined in Sector M - Automobile Salvage Yards</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |

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| <b>Subsector Definitions</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <b>N-1</b> | Recycling activities at transfer stations, landfills and other facilities engaged in the collection of source-separated recyclables such as aluminum and tin cans; plastic and glass containers; newspapers and cardboard from institutional, commercial/non-industrial and residential sources.                                                                                                                                                                                                |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <b>N-2</b> | Recycling activities at transfer stations, landfills and other facilities that receive a mixed wastestream of non-recyclable and recyclable wastes.                                                                                                                                                                                                                                                                                                                                             |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <b>N-3</b> | Scrap and waste recycling (non-liquid wastes). Individual scrap and waste recycling facilities may process one or more types of recyclable materials, including but not limited to ferrous and nonferrous metals, paper, plastic, cardboard, glass, animal hides. Activities at facilities included in this subsector typically include scrap waste stockpiling; material processing; segregating processed materials into uniform grades; and collecting non-recyclable materials for disposal |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <b>N-4</b> | Facilities included in other Sector N subsectors that operate a shredder                                                                                                                                                                                                                                                                                                                                                                                                                        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <b>N-5</b> | Facilities engaged in the reclaiming and recycling of liquid wastes such as used oil, antifreeze, mineral spirits, industrial solvents and liquid wastes.                                                                                                                                                                                                                                                                                                                                       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <b>N-6</b> | Facilities engaged in dismantling ships, marine salvaging, and marine wrecking of ships for scrap                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>SWPPP Requirements in Addition to Part III</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <p>In addition to the requirements of Part III, all facilities covered under Sector N are required to comply with following general requirements as well as the requirements applicable to each applicable subsector. Included in each section below, are lists of <i>BMP</i> options that, along with any functional equivalents, shall be considered for implementation. <i>Discharges</i> of precipitation from containment areas containing used oil shall also be in accordance with applicable sections of 40 CFR Part 112.</p> <p>At a minimum the <i>owner or operator</i> must evaluate the applicability of the <i>BMPs</i> in this section. Per Part III.E, if the <i>owner or operator</i> concludes that any of the following <i>BMPs</i> are not appropriate for the facility, a written explanation of why any of these <i>BMPs</i> are not appropriate shall be included in the SWPPP.</p> |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

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| Site Map                               | The site map shall identify the locations where the following activities or sources may be exposed to precipitation/surface runoff: <ul style="list-style-type: none"><li>• Locations of haul and access roads</li><li>• Scrap and waste material storage areas</li><li>• Outdoor scrap and waste processing equipment</li><li>• Areas where materials are sorted, transferred, stockpiled</li><li>• Containment areas.</li></ul> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Additional Non-Numeric Effluent Limits |                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Discharges to Copper Impaired Waters   | If the facility discharges to a Copper Impaired waterbody, the owner or operator shall prevent the exposure of copper sources and copper containing materials or processes to <i>stormwater</i> . These materials shall be protected by a storm-resistant shelter to prevent exposure to rain, snow, snowmelt, and/or runoff.                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Best Management Practices              |                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| BMPs – All Facilities                  | Inbound Waste Control Program                                                                                                                                                                                                                                                                                                                                                                                                     | <p>The SWPPP shall include a program to control materials received for processing:</p> <ul style="list-style-type: none"><li>• Notify suppliers/public which scrap materials will not be accepted at the facility or are only accepted under certain conditions</li><li>• Develop and implement procedures to inspect inbound shipments of recyclable materials</li><li>• Develop and distribute educational material targeting the public and/or commercial drivers of inbound vehicles;</li><li>• Training targeted for personnel engaged in the inspection and acceptance of inbound recyclable materials.</li></ul> |
|                                        | Particulates                                                                                                                                                                                                                                                                                                                                                                                                                      | <p>The plan shall address <i>BMPs</i> to <i>minimize</i> contact of particulate matter from materials stored indoors or under cover from coming in contact with surface runoff. The SWPPP shall document considerations of the following <i>BMPs</i> (or their equivalents):</p> <ul style="list-style-type: none"><li>• Good housekeeping measures, including frequent sweeping of haul and access roads and the use of dry absorbent or wet vacuum clean up methods, to contain or dispose/recycle residual liquids originating from recyclable containers</li></ul>                                                  |

|                                          |                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
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|                                          |                                                                            | <ul style="list-style-type: none"> <li>• Good housekeeping measures to prevent the accumulation of particulate matter and fluids, particularly in high traffic areas.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>BMPs – All Facilities (Continued)</b> | <b>Stockpiled materials, processed materials and Non Recyclable Wastes</b> | <p>The SWPPP must describe <i>BMPs</i> to <i>minimize</i> contact of <i>stormwater</i> runoff with stockpiled materials, processed materials and non-recyclable wastes. The SWPPP shall document considerations of the following <i>BMPs</i> (or their equivalents):</p> <ul style="list-style-type: none"> <li>• Store the equivalent one day's volume of recyclable materials indoors;</li> <li>• Containment or diversion structures such as dikes, berms, culverts, trenches, elevated concrete pads, and grading installed where appropriate to <i>minimize</i> contact of <i>stormwater</i> runoff with outdoor processing equipment or stored materials;</li> <li>• Diversion of runoff away from storage areas via dikes, berms, containment trenches, culverts and surface grading;</li> <li>• Cover containment bins, dumpsters, roll off boxes;</li> <li>• Permanent or semi permanent covers over areas where materials are transferred, stored or stockpiled;</li> <li>• Install a sump/pump with each containment pit, and <i>discharge</i> collected fluids to a sanitary sewer system;</li> <li>• Sediment traps, vegetated swales and strips, catch basin filters and sand filters to facilitate settling or filtering of sediments;</li> </ul> |
|                                          | <b>Residual Liquids &amp; Fluids</b>                                       | <p>The plan shall address <i>BMPs</i> to <i>minimize</i> contact of residual liquids and particulate matter from materials stored indoors or under cover from coming in contact with surface runoff. The SWPPP shall document considerations of the following <i>BMPs</i> (or their equivalents):</p> <ul style="list-style-type: none"> <li>• Prohibit the practice of allowing washwater from tipping floors or other processing areas from discharging to the storm sewer system</li> <li>• Disconnect or seal off all floor drains connected to the storm sewer system;</li> <li>• Drums containing liquids, especially oil and lubricants, should be stored: indoors; in a bermed area; in overpack containers or spill pallets; or in similar containment devices;</li> <li>• Drip pans or equivalent measures shall be placed under any leaking piece of stationary equipment until the leak is repaired. The drip pans shall be inspected for leaks and potential overflow and all liquids properly disposed of in accordance with RCRA requirements</li> </ul>                                                                                                                                                                                          |

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|                                                                                                                                                                                                                        |                                             | <ul style="list-style-type: none"> <li>Liquid wastes, including used oil, shall be stored in materially compatible and non leaking containers, and be disposed or recycled in accordance with all requirements under the Resource Recovery and Conservation Act (RCRA), and <i>State</i> or local requirements</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Facilities with activities described by subsector definitions must comply with the applicable requirements in this section in addition to the general Sector N requirements (above), and the requirements of Part III. |                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| N-1 & N-2                                                                                                                                                                                                              | Inbound Waste Control Program               | Provide totally enclosed drop off containers for the public whenever possible. When determined to be impractical, the SWPPP must describe the measures implemented to either prevent the <i>discharge</i> of contaminated <i>stormwater</i> from containers, or the containers should be subject to screening and monitoring required in Part IV.F.1.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| N-3 & N-4                                                                                                                                                                                                              | Inbound Recycleable & Waste Control Program | <p>Facilities must develop and implement a program to control what is received at the facility. Such plan shall include:</p> <ul style="list-style-type: none"> <li>Provisions for information/education flyers, brochures and pamphlets to suppliers of scrap and recyclable waste materials on: <ul style="list-style-type: none"> <li>Draining and proper recycling/disposal of residual fluids prior to delivery to the facility when applicable (e.g., from vehicles and equipment engines, radiators, and transmissions, oil filled transformers, and individual containers or drums);</li> <li>Removal and proper collection, recycling and/or disposal of mercury switches, mercury containing parts, lead tire weights, lead battery cable ends air conditioning refrigerants, and small PCB capacitors from vehicles; and</li> <li>Removal and proper collection/disposal of PCB capacitors, ballasts, CFCs/HCFCs, mercury switches, mercury containing components and other sources of potential contaminants from appliances</li> </ul> </li> <li>Procedures to require certification by suppliers of inbound shipments of recyclable materials that the items identified above were completed</li> <li>Procedures to inspect inbound shipments of recyclable materials to ensure that the items identified above were completed</li> </ul> |
|                                                                                                                                                                                                                        | Lead Battery Program                        | Facilities accepting lead acid batteries must develop and implement a scrap lead acid battery program The plan shall address measures and controls for the proper handling, storage and disposal of scrap lead acid batteries. The SWPPP shall document decisions relating to the following <i>BMP</i> options:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

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|                       |                                           | <ul style="list-style-type: none"> <li>• Segregate scrap lead acid batteries from other scrap materials;</li> <li>• A description of procedures and/or measures for the proper handling, storage and disposal of cracked or broken batteries;</li> <li>• A description of measures to collect and dispose of leaking lead acid battery fluid;</li> <li>• A description of measures to <i>minimize</i> and, whenever possible, eliminate exposure of scrap lead acid batteries to precipitation or runoff; and,</li> <li>• A description of employee training for the management of scrap batteries</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| N-3 & N-4 (Continued) | Residual Fluids                           | <p>Install oil/water separators, sumps and dry adsorbents for areas where potential sources of residual fluids are stockpiled (e.g., automotive engine storage areas)</p> <p>The plan shall implement measures necessary to <i>minimize</i> contact of surface runoff with residual cutting fluids. The SWPPP shall document considerations of the following <i>BMPs</i> (or their equivalents):</p> <ul style="list-style-type: none"> <li>• Store all turnings exposed to cutting fluids under some form of permanent or semi-permanent cover. <i>Stormwater discharges</i> from these areas are permitted provided the runoff is first treated by an oil/water separator or its equivalent. Procedures to collect, handle, and dispose or recycle residual fluids that may be present shall be identified in the plan</li> <li>• Establish dedicated containment areas for all turnings that have been exposed to cutting fluids. <i>Stormwater</i> runoff from these areas can be <i>discharged</i> provided: <ul style="list-style-type: none"> <li>o The containment areas are constructed of either concrete, asphalt or other equivalent type of impermeable material;</li> <li>o There is a drainage collection system for runoff generated from containment areas;</li> <li>o There is a schedule to maintain the oil/water separator (or its equivalent); and</li> <li>o Procedures are identified and implemented for the proper disposal or recycling of collected residual fluids.</li> </ul> </li> </ul> |
|                       | Scrap & Recyclable Waste Processing Areas | <p>The SWPPP shall include <i>BMPs</i> to <i>minimize</i> surface runoff from coming in contact with scrap processing equipment. In the case of processing equipment that generate visible amounts of particulate residue (e.g., shredding facilities), the plan shall describe measures to <i>minimize</i> the contact of residual fluids and accumulated particulate matter with runoff (i.e., through good housekeeping, preventive maintenance,</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

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|     |                      | <p>etc.). The SWPPP shall document considerations of the following <i>BMPs</i> (or their equivalents):</p> <ul style="list-style-type: none"> <li>• Provide <i>stormwater</i> containment within a 30 foot perimeter of the following fixed equipment: shears, balers, shredders, grinders, screeners and conveyors;</li> <li>• Oil/water separators or sumps;</li> <li>• Catch basin filters or sand filters;</li> <li>• Use and maintenance of silt and/or other fencing around light material processing to prevent migration lightweight materials such as foam by wind and <i>stormwater</i> runoff.</li> <li>• using dry-absorbents or other cleanup practices to collect and dispose of or recycle spilled or leaking fluids or use mercury spill kits for spills from storage of mercury switches</li> </ul> |
| N-4 | Auto Shredders       | <p>At minimum, the SWPPP shall document considerations of the following <i>BMPs</i> (or their equivalents):</p> <ul style="list-style-type: none"> <li>• Use and maintenance of silt and/or other fencing around shredder fluff or other light material processing to prevent migration lightweight materials such as foam by wind and <i>stormwater</i> runoff.</li> <li>• The ground in the entire shredder and downstream area shall be covered by asphalt or concrete, and drainage shall be controlled</li> <li>• Ground surface must be cleaned/swept at the end of each shift to prevent dirt and debris from being tracked to other areas</li> </ul>                                                                                                                                                         |
| N-5 | Indoor Storage Areas | <p>The plan shall include <i>BMPs</i> to <i>minimize/eliminate</i> contact between residual liquids from waste materials stored indoors and surface runoff. The following Non-Structural <i>BMPs</i> must be implemented:</p> <ul style="list-style-type: none"> <li>(i) Development and implementation of procedures for material handling (including labeling and marking); and</li> <li>(ii) Keep a sufficient supply of dry absorbent materials or a wet vacuum system to collect spilled or leaked materials.</li> <li>(iii) The use of mercury spill kits for spills from storage of mercury switches</li> </ul>                                                                                                                                                                                               |

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|  |                                                                                           | <p>The SWPPP must document decisions relating to consideration of the following Structural <i>BMPs</i>:</p> <ul style="list-style-type: none"> <li>(i) An appropriate containment structure, such as trenches, curbing, gutters or other equivalent measures; and</li> <li>(ii) A drainage system, including appurtenances (e.g., pumps or ejectors, or manually operated valves), to handle <i>discharges</i> from diked or bermed areas. Drainage shall be <i>discharged</i> to an appropriate treatment facility, sanitary sewer system, or otherwise disposed of properly. <i>Discharges</i> from these areas may require coverage under a separate <i>SPDES</i> permit or industrial user permit under the pretreatment program</li> </ul> |
|  | <p><b>Truck &amp; Rail Car Transfer Areas, Outdoor Stockpiles &amp; Storage Areas</b></p> | <p>Required: Maintain sufficient supply of absorbent materials or a wet vacuum system to collect spills.</p> <p>The SWPPP must document decisions relating to consideration of the following Structural <i>BMPs</i>:</p> <ul style="list-style-type: none"> <li>(i) Appropriate containment structures (e.g., dikes, berms, curbing, pits ) to store the volume of the largest single tank, with sufficient extra capacity for precipitation;</li> <li>(ii) Drainage control and other diversionary structures; and</li> <li>(iii) For storage tanks, provide corrosion protection and/or leak detection systems</li> </ul>                                                                                                                     |

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| N-6 | Vessel<br>Breaking/Scrapping<br>Activities | <p>The following SWPPP special conditions have been established for facilities that are engaged in dismantling ships, marine salvaging, and marine wrecking ships for scrap.</p> <p>Scrapping of vessels shall be accomplished ashore beyond the range of mean high tide, whenever practicable. If this activity must be conducted while a vessel is afloat or grounded in <i>State</i> waters, then the <i>owner or operator</i> must employ <i>BMPs</i> to <i>minimize</i> the amount of <i>pollutants</i> released</p> <p>The following <i>BMPs</i> shall be implemented during those periods when vessels (ships, barges, yachts, etc.) are brought to the facility's site for recycling, scrapping and storage prior to scrapping:</p> <ol style="list-style-type: none"> <li>1. Fixed or floating platforms sufficiently sized and constructed to catch and prevent scrap materials and <i>pollutants</i> from entering <i>waters of the State</i> (or equivalent measures approved by the <i>Department</i>) shall be used as work surfaces when working on or near the water surface. These platforms shall be cleaned as required to prevent <i>pollutants</i> from entering <i>State</i> waters and at the end of each work shift. All scrap metals and <i>pollutants</i> shall be collected in a manner to prevent releases(containerization is recommended).</li> <li>2. There shall be no <i>discharge</i> of oil or oily wastewater at the facility. Drip pans and other protective devices shall be required for all oil and oily waste transfer operations to catch incidental spillage and drips from hose nozzles, hose racks, drums or barrels. Drip pans and other protective devices shall be inspected and maintained to prevent releases. Oil and oily waste must be disposed at a permitted facility and adequate documentation of off site disposition shall be retained for review by the board upon request.</li> <li>3. During the storage/breaking/scrapping period, oil containment boom(s) shall be deployed either around the vessel being scrapped, or across the mouth of the facility's wet slip, to contain <i>pollutants</i> in the event of a spill. Booms must be inspected, maintained, and repaired as needed. Oil, grease and fuel spills shall be prevented from reaching <i>State</i> waters. Cleanup shall be carried out promptly after an oil, grease, and/or fuel spill is detected.</li> <li>4. Paint and solvent spills shall be immediately cleaned up to prevent <i>pollutants</i> from reaching storm drains, deck drains, and <i>State</i> waters</li> <li>5. Contaminated bilge and ballast water shall not be <i>discharged</i> to waters of the <i>State</i>. If it becomes necessary to dispose of contaminated bilge and ballast waters during a vessel breaking activity, the wastewater must be disposed at a permitted facility and adequate</li> </ol> |
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| Spill & Leak Prevention                                                                                                                                                                                                                            | <p>The SWPPP shall include measures to <i>minimize stormwater</i> contamination at loading/unloading areas, and from equipment or container failures. The plan may refer to applicable portions of other existing plans such as SPCC plans required under 40 CFR Part 112</p> <ul style="list-style-type: none"><li>Describe spill prevention and response measures to address areas that are potential sources of fluid leaks or spills. Include measures used for any release of mercury from switches, anti-lock brake systems, and switch storage areas</li><li>Provide for immediate containment and clean up of spills/leaks. If malfunctioning equipment is responsible for the spill/leak, repairs shall also be conducted as soon as possible</li><li>Specify cleanup procedures, including the use of dry absorbents. Where dry absorbent cleanup methods are used, an adequate supply of dry absorbent material shall be maintained on site. Used absorbent material shall be disposed of properly.</li><li>Place drip pans or equivalent measures under any leaking piece of stationary equipment until the leak is repaired. The drip pans shall be inspected for leaks and potential overflow and all liquids properly disposed of in accordance with RCRA requirements</li></ul> <p>The SWPPP shall document considerations of the following <i>BMPs</i> (or their equivalents):</p> <ul style="list-style-type: none"><li>Store drums containing liquids, especially oil and lubricants, indoors; in a bermed area; in overpack containers or spill pallets; or in similar containment devices</li><li>Install overfill prevention devices on all fuel pumps or tanks</li><li>Install an alarm and/or pump shut off system on outdoor equipment with hydraulic reservoirs exceeding 150 gallons in order to prevent draining the tank contents in the event of a line break. Alternatively, the equipment may have a secondary containment system capable of containing the contents of the hydraulic reservoir plus adequate freeboard for precipitation.</li></ul> |                                                                                               |                         |
| Numeric Effluent Limitations                                                                                                                                                                                                                       | <b>Table VII N-1</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                               |                         |
|                                                                                                                                                                                                                                                    | <b>Sector N – Numeric Effluent Limitations (Subsector N4 Only)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                               |                         |
|                                                                                                                                                                                                                                                    | <b>Parameter</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <b>Effluent Limitations</b>                                                                   |                         |
|                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <b>Daily Maximum</b>                                                                          | <b>30 Day - Average</b> |
|                                                                                                                                                                                                                                                    | Total Mercury*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 50 ng/L                                                                                       |                         |
|                                                                                                                                                                                                                                                    | PCBs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 200 ng/L per Aroclor**                                                                        |                         |
| <p>*Mercury Analysis shall be by EPA Method 1631</p> <p>** Required for Aroclors 1016, 1221, 1232, 1242, 1248, 1254 and 1260. If 65 ng/L per Aroclor or more is detected, <i>owner or operator</i> shall make adjustments to their <i>BMPs</i></p> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                               |                         |

|            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                   |
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| Benchmarks | <p>Scrap recycling and waste recycling facilities; and facilities engaged in dismantling ships, marine salvaging, and marine wrecking ships for scrap are required to monitor their <i>stormwater discharges</i> for the <i>pollutants</i> of concern as follows:</p> <p><u>Subsector N-1</u>: Facilities engaged <u>only</u> in activities limited to the description of Sector N-1 are not required to complete <i>benchmark monitoring</i> and analysis</p> <p><u>Subsectors N-2, N-3, N-4, N-5 and N-6</u>: Facilities in these subsectors must complete the benchmark analysis in Table VII-N-2 below,</p> <p><u>Subsector N-4</u>: In addition to the parameters in Table-N-2, Subsector N-4 facilities must also complete benchmark analysis for the parameters in Table VII-N-3 for <i>outfalls</i> discharging <i>stormwater</i> from drainage areas where shredder operations and storage areas.</p> |                                                   |
|            | <p align="center"><b>Table VII N-2</b><br/><b>Sector N - Benchmark Monitoring Requirement</b></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                   |
|            | <b>Pollutants of Concern</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <b>Benchmark Monitoring Cut-off Concentration</b> |
|            | <b>Scrap Recycling and Waste Recycling Facilities (nonsource-separated facilities only) (SIC 5093) and Facilities Engaged in Dismantling Ships, Marine Salvaging, and Marine Wrecking - Ships For Scrap (SIC 4499, limited to list)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                   |
|            | Total Suspended Solids (TSS)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 100 mg/L                                          |
|            | Chemical Oxygen Demand (COD)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 120 mg/L                                          |
|            | Oil and Grease                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 15 mg/L                                           |
|            | Total Recoverable Aluminum                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 750 ug/L                                          |
|            | Total Recoverable Cadmium                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 1.8 ug/L                                          |
|            | Total Chromium                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 1.8 mg/L                                          |
|            | Total Recoverable Copper                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 12 ug/L                                           |
|            | Total Recoverable Iron                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 1 mg/L                                            |
|            | Total Recoverable Lead                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 69 ug/L                                           |
|            | Total Recoverable Zinc                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 110 ug/L                                          |
|            | <p align="center"><b>Table VII N-3</b><br/><b>Additional Subsector N4 – Benchmark Monitoring Requirements</b></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                   |
|            | <b>Pollutant of Concern</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <b>Benchmark Monitoring Cut-off Concentration</b> |
|            | Benzene                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 50 ug/L                                           |
|            | Ethylbenzene                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 50 ug/L                                           |
|            | Toluene                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 50 ug/L                                           |
|            | Xylene                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 50 ug/L                                           |

## Sector O – Steam Electric Generating Stations

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| Applicability                                     | The requirements listed under this section apply to <i>stormwater discharges associated with industrial activity</i> from steam electric power generating facilities using coal, natural gas, oil, nuclear energy, or other sources of energy to produce a steam source, including coal handling areas; <i>stormwater discharges</i> from coal pile runoff subject to numeric <i>effluent limitations</i> are eligible for coverage under this permit, but are subject to <i>effluent limitations</i> established by 40 CFR 423; and dual fuel co-generation facilities.                                                                                   |
| Prohibitions<br>Non -Stormwater<br>discharges     | <p><i>Stormwater discharges</i> not covered by this permit include: ancillary facilities (e.g., fleet centers, gas turbine stations, and substations ) that are not contiguous to a steam electric power generating facility; and heat capture co-generation facilities.</p> <p>In addition to the general non-<i>stormwater</i> prohibition in Part I.C.1, non-<i>stormwater discharges</i> subject to <i>effluent limitation guidelines</i> are also not covered by this permit.</p>                                                                                                                                                                     |
| <b>SWPPP Requirements in addition to Part III</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Site Map                                          | <p>The site map shall identify the locations of any of the following activities or sources that may be exposed to precipitation/surface runoff:</p> <ul style="list-style-type: none"> <li>• Storage tanks, scrap yards, general refuse areas;</li> <li>• Short and long term storage of general materials (including, but not limited to: supplies, construction materials, plant equipment, oils, fuels, used and unused solvents, cleaning materials, paint, water treatment chemicals, fertilizer, and pesticides);</li> <li>• Landfills;</li> <li>• Construction sites; and</li> <li>• Stock pile areas (such as coal or limestone piles).</li> </ul> |
| <b>Additional Non-Numeric Effluent Limits</b>     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Inspections                                       | <p><u>Comprehensive site compliance evaluation</u> - As part of the evaluation, qualified facility personnel shall inspect the following areas on a monthly basis:</p> <ul style="list-style-type: none"> <li>• Coal handling areas</li> <li>• Loading/unloading areas</li> <li>• Switchyards</li> <li>• Fueling areas</li> <li>• Bulk storage areas</li> <li>• Ash handling areas</li> <li>• Areas adjacent to disposal ponds and landfills</li> <li>• Maintenance areas</li> <li>• Liquid storage tanks; and,</li> <li>• Long term and short term material storage areas</li> </ul>                                                                      |

| Good Housekeeping Measures         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
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| Fugitive Dust Emissions            | The SWPPP shall describe and provide for implementation of measures that prevent or <i>minimize</i> fugitive dust emissions from coal handling areas. The SWPPP shall document procedures to <i>minimize</i> off-site tracking of coal dust such as installing specially designed tires, or washing vehicles in a designated area before they leave the site, and controlling the wash water.                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Delivery Vehicles                  | The SWPPP must describe and provide for implementation of measures that prevent or <i>minimize</i> contamination of <i>stormwater</i> runoff from delivery vehicles arriving on the plant site. At a minimum the SWPPP shall include: <ul style="list-style-type: none"> <li>• Procedures for the inspection of delivery vehicles arriving on the plant site, and ensure overall integrity of the body or container; and</li> <li>• Procedures to deal with leakage/spillage from vehicles or containers</li> </ul>                                                                                                                                                                                                                                                                                                |
| Fuel Oil Unloading Areas           | The SWPPP must describe and provide for implementation of measures that prevent or <i>minimize</i> contamination of precipitation/surface runoff from fuel oil unloading areas. At a minimum, the SWPPP must document consideration of the following measures (or their equivalents): <ul style="list-style-type: none"> <li>• Use containment curbs in unloading areas;</li> <li>• Station personnel familiar with spill prevention and response procedures present during deliveries to ensure that any leaks/spills are immediately contained and cleaned up; and</li> <li>• Use spill and overflow protection (e.g., drip pans, drip diapers, and/or other containment devices placed beneath fuel oil connectors) to contain potential spillage during deliveries or from leaks at the connectors.</li> </ul> |
| Chemical Loading & Unloading Areas | The SWPPP must describe and provide for implementation of measures that prevent or <i>minimize</i> contamination of precipitation/surface runoff from Chemical loading and unloading areas. At a minimum, the SWPPP must document consideration of the following measures (or their equivalents): <ul style="list-style-type: none"> <li>• Use containment curbs in unloading areas;</li> <li>• Station personnel familiar with spill prevention and response procedures to ensure that any leaks/spills are immediately contained and cleaned up; and</li> <li>• Where practicable, load and unload in covered areas and store chemicals indoors.</li> </ul>                                                                                                                                                      |

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| Miscellaneous loading/unloading areas | <p>The SWPPP shall describe and provide for implementation of measures that prevent or <i>minimize</i> the contamination of <i>stormwater</i> runoff from loading and unloading areas.</p> <p>The SWPPP shall document considerations of the following <i>BMPs</i> (or their equivalents):</p> <ul style="list-style-type: none"> <li>• Covering the loading area;</li> <li>• Grading, berming, or curbing around the loading area to divert run-on;</li> <li>• Locating the loading/unloading equipment and vehicles so that leaks are contained in existing containment and flow diversion systems</li> </ul> |
| Liquid Storage                        | <p>The SWPPP shall describe and provide for implementation of measures that prevent or <i>minimize</i> contamination of <i>stormwater</i> runoff from aboveground liquid storage tanks. At a minimum the SWPPP must document consideration of the following measures (or their equivalents):</p> <ul style="list-style-type: none"> <li>• Use of protective guards around tanks;</li> <li>• Use of containment curbs;</li> <li>• Use of spill and overflow protection; and</li> <li>• Use of dry cleanup methods.</li> </ul>                                                                                    |
| Large Bulk Storage Fuel Tanks         | <p>The SWPPP shall describe and provide for implementation of measures that prevent or <i>minimize</i> contamination of <i>stormwater</i> runoff from large bulk fuel storage tanks. At a minimum, the SWPPP must document consideration of containment berms (or their equivalent). The <i>owner or operator</i> shall also comply with applicable <i>State</i> and federal laws, including Spill Prevention Control and Countermeasures (SPCC).</p>                                                                                                                                                           |
| Spill Reduction Measure               | <p>The SWPPP shall describe and provide for implementation of measures to reduce the potential for an oil/chemical spill, or reference the appropriate section of their SPCC plan. At a minimum, the structural integrity of all aboveground tanks, pipelines, pumps and other related equipment shall be visually inspected on a weekly basis. All repairs deemed necessary based on the findings of the inspections shall be completed immediately to reduce the incidence of spills and leaks occurring from such faulty equipment.</p>                                                                      |
| Oil bearing equipment in switchyards  | <p>The SWPPP shall describe and provide for implementation of measures to prevent or <i>minimize</i> contamination of surface runoff from oil bearing equipment in switchyard areas. The SWPPP shall document consideration of the use of level grades and gravel surfaces to retard flows and limit the spread of spills, and the collection of <i>stormwater</i> runoff in perimeter ditches.</p>                                                                                                                                                                                                             |

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| Residue Hauling Vehicles                                          | All residue hauling vehicles shall be inspected for proper covering over the load, adequate gate sealing and overall integrity of the container body. Vehicles without load coverings or adequate gate sealing, or with leaking containers or beds must be repaired as soon as practicable.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Ash Loading Areas                                                 | The SWPPP shall describe and provide for implementation of procedures to reduce or control the tracking of ash/residue from ash loading areas. Where practicable, clear the ash building floor and immediately adjacent roadways of spillage, debris and excess water before departure of each loaded vehicle.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Landfills, Scrapyards, Surface Impoundments, General Refuse Sites | The plan must address and include appropriate <i>BMPs</i> for landfills, scrapyards, surface impoundments, non-compliant landfills and general refuse sites.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Vehicle Maintenance Areas                                         | For vehicle maintenance activities performed on the plant site, the SWPPP shall specify the applicable <i>BMPs</i> outlined in Sector P.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Material Storage Areas                                            | <p>The SWPPP shall describe and provide for implementation of measures that prevent or <i>minimize</i> contamination of <i>stormwater</i> runoff from material storage areas (including areas used for temporary storage of miscellaneous products, and construction materials stored in lay down areas). The SWPPP shall document considerations of the following <i>BMPs</i> (or their equivalents):</p> <ul style="list-style-type: none"> <li>• Flat yard grades;</li> <li>• Runoff collection in graded swales or ditches; erosion protection measures at steep <i>outfall</i> sites (e.g., concrete chutes, riprap, stilling basins);</li> <li>• Covering lay down areas storing materials indoors; and</li> <li>• Covering materials temporarily with polyethylene, polyurethane, polypropylene, or hypalon.</li> <li>• <i>Minimize stormwater</i> run-on by constructing an enclosure or berming around the area.</li> </ul> |
| Numeric Effluent Limitations                                      | <i>Owner or operators</i> with <i>point sources</i> of coal pile runoff associated with steam electric power generation must monitor these <i>stormwater discharges</i> for the presence of TSS and for pH at least annually in accordance with Part IV.F.3.f (Table IV.3).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

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|            | Table VII-O-1<br>Sector O – Numeric Effluent Limitations                                                                                                                              |                                            |                |
|            | Parameter                                                                                                                                                                             | Effluent Limitation                        |                |
|            |                                                                                                                                                                                       | Daily Maximum                              | 30-Day Average |
|            | PCBs                                                                                                                                                                                  | 200 ng/L per Aroclor*                      |                |
|            | * Required for Aroclors 1016, 1221, 1232, 1242, 1248, 1254 and 1260. If 65 ng/L per Aroclor or more is detected, <i>owner or operator</i> shall make adjustments to their <i>BMPs</i> |                                            |                |
| Benchmarks | Steam electric power generating facilities are required to monitor their <i>stormwater discharges</i> for the <i>pollutant</i> of concern listed in Table VII-O-2.                    |                                            |                |
|            | Table VII-O-2<br>Sector O - <i>Benchmark Monitoring Requirement</i>                                                                                                                   |                                            |                |
|            | Pollutants of Concern                                                                                                                                                                 | Benchmark Monitoring Cut-off Concentration |                |
|            | Steam Electric Generating Facilities (Industrial Activity Code "SE")                                                                                                                  |                                            |                |
|            | Oil & Grease                                                                                                                                                                          | 15 mg/L                                    |                |
|            | Total Recoverable Iron                                                                                                                                                                | 1 mg/L                                     |                |

## Sector P – Land Transportation and/or Warehousing

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| <b>Applicability</b>                                        | The requirements listed under this section apply to <i>stormwater discharges associated with industrial activity</i> from land transportation and/or warehousing facilities (generally identified by SIC Codes 4011, 4013, 4111-4173, 4212-4231, 4311 and 5171), that have vehicle and equipment maintenance shops (vehicle and equipment rehabilitation, mechanical repairs, painting, fueling and lubrication) and/or equipment cleaning operations. Transfer stations that have vehicle and equipment maintenance shops are covered under this sector in addition to the applicable Sector N subsector requirements. |
| <b>Prohibitions<br/>Non -<br/>Stormwater<br/>discharges</b> | The <i>discharge</i> of vehicle/equipment wash waters, including tank cleaning operations, are not authorized by this permit and must be covered under a separate <i>SPDES</i> permit or <i>discharged</i> to a sanitary sewer in accordance with applicable industrial pretreatment requirements.                                                                                                                                                                                                                                                                                                                      |
| <b>SWPPP Requirements in addition to Part III</b>           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Site Map</b>                                             | <p>The site map shall identify the locations of any of the following activities or sources:</p> <ul style="list-style-type: none"> <li>• Fueling stations;</li> <li>• Vehicle/equipment maintenance or cleaning areas;</li> <li>• Storage areas for vehicle/equipment with actual or potential fluid leaks;</li> <li>• Loading/unloading areas;</li> <li>• Areas where treatment, storage or disposal of wastes occur; liquid storage tanks;</li> <li>• Processing areas;</li> <li>• Storage areas; and</li> <li>• All monitoring areas</li> </ul>                                                                      |
| <b>Summary of Potential Pollutant<br/>Sources</b>           | <p>The plan shall describe and assess the potential for the following to contribute <i>pollutants</i> to <i>stormwater discharges</i>:</p> <ul style="list-style-type: none"> <li>• On-site waste storage or disposal;</li> <li>• Dirt/gravel parking areas for vehicles awaiting maintenance; and,</li> <li>• Fueling areas</li> </ul>                                                                                                                                                                                                                                                                                 |

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| <b>Additional Non-Numeric Effluent Limits</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Inspections</b>                            | <p>The following areas /activities shall be included in all inspections:</p> <ul style="list-style-type: none"> <li>• Storage area for vehicles /equipment awaiting maintenance;</li> <li>• Fueling areas;</li> <li>• Indoor and outdoor vehicle/equipment maintenance areas;</li> <li>• Material storage areas;</li> <li>• Vehicle/equipment cleaning areas; and</li> <li>• Loading/unloading areas</li> </ul>                                                                                                                                                                                                              |
| <b>Employee Training</b>                      | <p>Employee training shall take place, at a minimum, annually (once per calendar year) and must address the following, as applicable:</p> <ul style="list-style-type: none"> <li>• Used oil and spent solvent management;</li> <li>• Fueling procedures;</li> <li>• General good housekeeping practices;</li> <li>• Proper painting procedures; and</li> <li>• Used battery management</li> </ul>                                                                                                                                                                                                                            |
| <b>Good Housekeeping Measures</b>             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Vehicle &amp; Equipment Storage Areas</b>  | <p>The storage of vehicles and equipment awaiting maintenance with actual or potential fluid leaks must be confined to designated areas (delineated on the site map). The SWPPP shall document considerations of the following <i>BMPs</i> (or their equivalents):</p> <ul style="list-style-type: none"> <li>• The use of drip pans under vehicles and equipment;</li> <li>• Indoor storage of vehicles and equipment;</li> <li>• Installation of berms or dikes;</li> <li>• Use of absorbents;</li> <li>• Roofing or covering storage areas; and</li> <li>• Cleaning pavement surface to remove oil and grease.</li> </ul> |
| <b>Fueling Areas</b>                          | <p>The SWPPP shall describe and provide for implementation of measures that prevent or <i>minimize</i> contamination of the <i>stormwater</i> runoff from fueling areas. The SWPPP shall document consideration of the following measures (or their equivalents):</p> <ul style="list-style-type: none"> <li>• Covering the fueling area;</li> <li>• Using spill/overflow protection and cleanup equipment;</li> <li>• Minimizing <i>stormwater</i> run-on/runoff to the fueling area;</li> <li>• Using dry cleanup methods; and</li> <li>• Treating and/or recycling collected <i>stormwater</i> runoff</li> </ul>          |

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| <b>Material Storage Areas</b>                               | <p>Storage vessels of all materials (e.g., for used oil/oil filters, spent solvents, paint wastes, hydraulic fluids) must be maintained in good condition, so as to prevent contamination of <i>stormwater</i>, and plainly labeled (e.g., "used oil," "spent solvents," etc.). The SWPPP shall document considerations of the following <i>BMPs</i> (or their equivalents):</p> <ul style="list-style-type: none"> <li>• Indoor storage of the materials;</li> <li>• Installation of berms/dikes around the areas, minimizing runoff of <i>stormwater</i> to the areas;</li> <li>• Using dry cleanup methods; and</li> <li>• Treating and/or recycling the collected <i>stormwater</i> runoff</li> </ul>                                                                                                                                                                                                                      |
| <b>Vehicle &amp; Equipment Cleaning Areas</b>               | <p>The SWPPP shall describe and provide for implementation of measures that prevent or <i>minimize</i> contamination of <i>stormwater</i> runoff from all areas used for vehicle/equipment cleaning. The SWPPP shall document considerations of the following <i>BMPs</i> (or their equivalents):</p> <ul style="list-style-type: none"> <li>• Performing all cleaning operations indoors;</li> <li>• Covering the cleaning operation;</li> <li>• Ensuring that all wash waters drain to a proper collection system (i.e., not the <i>stormwater</i> drainage system unless <i>SPDES</i> permitted); and,</li> <li>• Treating and/or recycling the collected <i>stormwater</i> runoff</li> </ul>                                                                                                                                                                                                                               |
| <b>Vehicle &amp; Equipment Maintenance Areas</b>            | <p>The SWPPP shall describe and provide for implementation of measures that prevent or <i>minimize</i> contamination of the <i>stormwater</i> runoff from all areas used for vehicle/equipment maintenance. The SWPPP shall document considerations of the following <i>BMPs</i> (or their equivalents):</p> <ul style="list-style-type: none"> <li>• Performing maintenance activities indoors; using drip pans;</li> <li>• Keeping an organized inventory of materials used in the shop;</li> <li>• Draining all parts of fluids prior to disposal;</li> <li>• Prohibiting wet clean up practices where the practices would result in the <i>discharge of pollutants</i> to <i>stormwater</i> drainage systems;</li> <li>• Using dry cleanup methods;</li> <li>• Treating and/or recycling collected <i>stormwater</i> runoff; and,</li> <li>• Minimizing runoff/runoff of <i>stormwater</i> to maintenance areas</li> </ul> |
| <b>Locomotive Sanding (loading sand for traction) Areas</b> | <p>The SWPPP must describe measures that prevent or <i>minimize</i> contamination of the <i>stormwater</i> runoff from areas used for locomotive sanding. The SWPPP shall document considerations of the following <i>BMPs</i> (or their equivalents):</p> <ul style="list-style-type: none"> <li>• Covering sanding areas;</li> <li>• Minimizing <i>stormwater</i> runoff/runoff; or</li> <li>• Appropriate sediment removal practices to <i>minimize</i> the off-site transport of sanding material by <i>stormwater</i>.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                         |

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| <b>Numeric Effluent Limitations</b> | No Numeric Effluent Limits specified for this sector.                                                                                                                     |
| <b>Benchmarks</b>                   | Land transportation and/or warehousing facilities are required to monitor their <i>stormwater discharges</i> for the <i>pollutant</i> of concern listed in Table VII-P-1. |
|                                     | <b>Table VII-P-1</b><br><b>Sector P - Benchmark Monitoring Requirement</b>                                                                                                |
|                                     | <b><i>Pollutants of Concern</i></b> <b><i>Benchmark Monitoring Cut-off Concentration</i></b>                                                                              |
|                                     | <b>Land Transportation and /or Warehousing Facilities (SIC Codes 4011, 4013, 4111-4173, 4212-4231, 4311 and 5171)</b>                                                     |
|                                     | Oil & Grease      15 mg/L                                                                                                                                                 |
|                                     | Chemical Oxygen Demand (COD)      120 mg/L                                                                                                                                |
|                                     | Benzene      50 ug/L                                                                                                                                                      |
|                                     | Ethylbenzene      50 ug/L                                                                                                                                                 |
|                                     | Toluene      50 ug/L                                                                                                                                                      |
|                                     | Xylene      50 ug/L                                                                                                                                                       |

## Sector Q – Water Transportation

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| <b>Applicability</b>                                   | <p>The requirements listed under this section apply to <i>stormwater discharges</i> associated with <i>industrial activity</i> from water transportation facilities (generally identified by SIC Major Group 44), that have vehicle (vessel) maintenance shops and/or equipment cleaning operations. The water transportation industry includes facilities engaged in foreign or domestic transport of freight or passengers in deep sea or inland waters; marine cargo handling operations; ferry operations; towing and tugboat services; and marinas, including: boat yards, storage and incidental repair; and yacht basins. The retail sale of fuel alone at marinas, without any other vessel maintenance or equipment cleaning operations, is not considered to be grounds for coverage under the storm water regulations.</p> |
| <b>Prohibitions<br/>Non -Stormwater<br/>discharges</b> | <p>In addition to the general non-<i>stormwater</i> prohibition in Part I.C.1, the following <i>discharges</i> not covered by this permit include, but are not limited to:</p> <ul style="list-style-type: none"> <li>• Bilge and ballast water</li> <li>• Sanitary wastes</li> <li>• Pressure wash water</li> <li>• Cooling water originating from vessels.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>SWPPP Requirements in addition to Part III</b>      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Site Map</b>                                        | <p>The site map shall identify the locations where any of the following activities may be exposed to precipitation/surface runoff:</p> <ul style="list-style-type: none"> <li>• Fueling;</li> <li>• Engine maintenance/repair;</li> <li>• Vessel maintenance/repair, pressure washing;</li> <li>• Painting;</li> <li>• Sanding;</li> <li>• Blasting;</li> <li>• Welding;</li> <li>• Metal fabrication;</li> <li>• Loading/unloading areas;</li> <li>• Locations used for the treatment, storage or disposal of wastes;</li> <li>• Liquid storage tanks;</li> <li>• Liquid storage areas (e.g., paint, solvents, resins); and,</li> <li>• Material storage areas (e.g., blasting media, aluminum, steel, scrap iron).</li> </ul>                                                                                                       |
| <b>Summary of<br/>Potential<br/>Pollutant Sources</b>  | <p>The SWPPP shall describe the following additional sources and activities that have potential <i>pollutants</i> associated with them:</p> <ul style="list-style-type: none"> <li>• Outdoor manufacturing or processing activities (i.e., welding, metal fabricating);</li> <li>• Significant dust or particulate generating processes (e.g., abrasive blasting, sanding, painting).</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                      |

| Additional Non-Numeric Effluent Limits |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
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| Good Housekeeping Measures             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Pressures Washing Areas                | <p><i>Discharge</i> of waste water from pressuring washing to remove marine growth from vessels must be permitted by a separate <i>SPDES</i> permit. Facilities that pressure wash vessels must include the following information in the SWPPP:</p> <ul style="list-style-type: none"> <li>• Measures to collect or contain the <i>discharge</i> from the pressure washing area;</li> <li>• Method for the removal of the visible solids;</li> <li>• Methods of disposal of the collected solids; and,</li> <li>• Location where the <i>discharge</i> will be released</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Blasting & Painting Areas              | <p>The SWPPP shall describe and provide for implementation of standard operating practices for blasting and painting activities. The SWPPP shall document consideration of the prohibition of uncontained blasting/painting over open water, or the prohibition of blasting/painting during windy conditions which can render containment ineffective</p> <p>The SWPPP must describe and provide for implementation of measures to prevent spent abrasives, paint chips, and overspray from discharging into the receiving water or the storm sewer system. <i>Stormwater</i> conveyances shall be regularly cleaned to remove deposits of abrasive blasting debris and paint chips.</p> <p>The SWPPP shall document considerations of the following <i>BMPs</i> (or their equivalents):</p> <ul style="list-style-type: none"> <li>• Containment of all blasting/painting activities</li> <li>• Use of hanging plastic barriers or tarpaulins during blasting or painting operations to contain debris</li> <li>• Other measures to prevent or <i>minimize</i> the <i>discharge</i> of contaminants</li> </ul> |
| Material Storage Areas                 | <p>All containerized materials (fuels, paints, solvents, waste oil, antifreeze, batteries) must be plainly labeled and stored in a protected, secure location away from drains.</p> <p>The SWPPP must:</p> <ul style="list-style-type: none"> <li>• Describe and provide for implementation of measures to prevent or <i>minimize</i> the contamination of precipitation/surface runoff from the storage areas.</li> <li>• Specify which materials are stored indoors and consider containment or enclosure for materials that are stored outdoors.</li> <li>• Document considerations regarding implementing an inventory control plan to limit the presence of potentially hazardous materials on-site.</li> <li>• Evaluate the storage and disposal of spent abrasive materials generated at the facility where abrasive blasting is performed.</li> </ul>                                                                                                                                                                                                                                                   |

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| Engine Maintenance & Repair Areas | <p>The SWPPP must describe and provide for implementation of measures to prevent or <i>minimize</i> contamination of precipitation/surface runoff from all areas used for engine maintenance and repair.</p> <p>The SWPPP shall document consideration of the following measures (or their equivalent):</p> <ul style="list-style-type: none"> <li>• Performing all maintenance activities indoors;</li> <li>• Maintaining an organized inventory of materials used in the shop;</li> <li>• Draining all parts of fluids prior to disposal;</li> <li>• Prohibiting the practice of hosing down the shop floor;</li> <li>• Specify use of dry cleanup methods; and</li> <li>• Treating and/or recycling <i>stormwater</i> runoff collected from the maintenance area.</li> </ul> |
| Material Handling Areas           | <p>The SWPPP must describe and provide for implementation of measures to prevent or <i>minimize</i> contamination of precipitation/surface runoff from material handling operations and areas (e.g., fueling, paint and solvent mixing, disposal of process wastewater streams from vessels).</p> <p>The SWPPP shall document consideration of the following measures (or their equivalent):</p> <ul style="list-style-type: none"> <li>• Covering fueling areas;</li> <li>• Using spill/overflow protection;</li> <li>• Mixing paints and solvents in a designated area (preferably indoors or under a shed); and</li> <li>• Minimizing run-on of <i>stormwater</i> to material handling areas</li> </ul>                                                                      |
| Dry Dock Areas                    | <p>The SWPPP must include the following:</p> <ul style="list-style-type: none"> <li>• Routine maintenance and cleaning of the dry dock to <i>minimize</i> the potential for <i>pollutants</i> in the <i>stormwater</i> runoff.</li> <li>• Procedures for cleaning the accessible areas of the dry dock prior to flooding</li> <li>• Final cleanup after the vessel is removed and the dock is raised</li> <li>• Cleanup procedures for oil, grease, or fuel spills occurring on the dry dock</li> <li>• Sweep rather than hose off debris /spent blasting material from the accessible areas of the dry dock prior to flooding;</li> <li>• Keep absorbent materials and oil containment booms readily available to contain/cleanup any spills</li> </ul>                        |
| General Yard Area                 | <p>The plan must include a schedule for routine yard maintenance and cleanup. Scrap metal, wood, plastic, miscellaneous trash, paper, glass, industrial scrap, insulation, welding rods, packaging, etc., must be routinely removed from the general yard area.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Inspections                       | <p>The following areas shall be included in all monthly inspections:</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

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|                              | <ul style="list-style-type: none"> <li>• Pressure washing area;</li> <li>• Blasting, sanding, and painting areas;</li> <li>• Material storage areas;</li> <li>• Engine maintenance and repair areas;</li> <li>• Material handling areas;</li> <li>• Drydock area; and</li> <li>• General yard area</li> </ul> <p><b>Comprehensive Site Inspection:</b> The <i>owner or operator</i> shall conduct regularly scheduled evaluations at least once a year and address those areas contributing to a <i>stormwater discharge</i> associated with <i>industrial activity</i> (e.g., pressure washing area, blasting/sanding areas, painting areas, material storage areas, engine maintenance/repair areas, material handling areas, and drydock area). These sources shall be inspected for evidence of, or the potential for, <i>pollutants</i> entering the drainage system</p> |
| Employee Training            | <p>Training shall address, at a minimum, the following activities (as applicable):</p> <ul style="list-style-type: none"> <li>• Used oil management</li> <li>• Spent solvent management</li> <li>• Disposal of spent abrasives</li> <li>• Disposal of vessel wastewaters</li> <li>• Spill prevention and control</li> <li>• Fueling procedures</li> <li>• General good housekeeping practices</li> <li>• Painting and blasting procedures</li> <li>• Used battery management</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                       |
| Preventive Maintenance       | <p>As part of the facility's preventive maintenance program, <i>stormwater</i> management devices shall be inspected and maintained in a timely manner (e.g., oil/water separators and sediment traps cleaned to ensure that spent abrasives, paint chips and solids are intercepted and retained prior to entering the storm drainage system). Facility equipment and systems shall also be inspected and tested to uncover conditions that could cause breakdowns or failures resulting in <i>discharges</i> of <i>pollutants</i> to surface waters</p>                                                                                                                                                                                                                                                                                                                     |
| Numeric Effluent Limitations | <p>No Numeric Effluent Limits specified for this sector.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Benchmarks                   | <p>Water transportation facilities are required to monitor their <i>stormwater discharges</i> for the <i>pollutants</i> of concern listed in Table VII-Q-1.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

|  | <b>Table VII-Q-1</b><br><b>Sector Q - Benchmark Monitoring Requirement</b> |                                                          |
|--|----------------------------------------------------------------------------|----------------------------------------------------------|
|  | <b><i>Pollutants of Concern</i></b>                                        | <b><i>Benchmark Monitoring Cut-off Concentration</i></b> |
|  | <b>Water Transportation Facilities (SIC 4412-4499)</b>                     |                                                          |
|  | Total Recoverable Aluminum                                                 | 750 ug/L                                                 |
|  | Total Recoverable Iron                                                     | 1 mg/L                                                   |
|  | Total Recoverable Lead                                                     | 69 ug/L                                                  |
|  | Total Recoverable Zinc                                                     | 110 ug/L                                                 |

## Sector R – Ship & Boat Building or Repair Yards

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| <b>Applicability</b>                                   | The requirements listed under this section apply to <i>stormwater discharges associated with industrial activity</i> from facilities engaged in ship and boat building and repairing (SIC Code 373). (According to the U.S. Coast Guard, a vessel 65 feet or greater in length is referred to as a ship and a vessel smaller than 65 feet is a boat.)                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Prohibitions<br/>Non -Stormwater<br/>discharges</b> | <p>In addition to the general non-<i>stormwater</i> prohibition in Part I.C.1, the following <i>discharges</i> not covered by this permit include, but are not limited to:</p> <ul style="list-style-type: none"> <li>• Bilge and ballast water</li> <li>• Pressure wash water</li> <li>• Sanitary wastes</li> <li>• Cooling water originating from vessels</li> </ul>                                                                                                                                                                                                                                                                                                                                                                     |
| <b>SWPPP Requirements in addition to Part III</b>      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Site Map</b>                                        | <p>The site map shall identify the locations where any of the following activities may be exposed to precipitation/surface runoff:</p> <ul style="list-style-type: none"> <li>• Fueling;</li> <li>• Engine maintenance/repair;</li> <li>• Vessel maintenance/repair;</li> <li>• Pressure washing;</li> <li>• Painting;</li> <li>• Sanding;</li> <li>• Blasting;</li> <li>• Welding;</li> <li>• Metal fabrication;</li> <li>• Loading/unloading areas;</li> <li>• Locations used for the treatment, storage or disposal of wastes;</li> <li>• Liquid storage tanks;</li> <li>• Liquid storage areas (e.g., paint, solvents, resins); and,</li> <li>• Material storage areas (e.g., blasting media, aluminum, steel, scrap iron).</li> </ul> |
| <b>Summary of Potential<br/>Pollutant Sources</b>      | <p>The SWPPP shall include a description of the following additional sources and activities that have potential <i>pollutants</i> associated with them (if applicable):</p> <ul style="list-style-type: none"> <li>• Outdoor manufacturing/processing activities (e.g., welding, metal fabricating);</li> <li>• Significant dust/particulate generating processes (e.g., abrasive blasting, sanding, painting).</li> </ul>                                                                                                                                                                                                                                                                                                                 |

| Additional Non-Numeric Effluent Limits |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
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| Good Housekeeping Measures             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Pressure Washing                       | <p><i>Discharge</i> of waste water from pressuring washing to remove marine growth from vessels must be permitted by a separate <i>SPDES</i> permit. Facilities that pressure wash vessels must include the following information in the SWPPP:</p> <ul style="list-style-type: none"> <li>• Measures to collect or contain the <i>discharge</i> from the pressure washing area;</li> <li>• Method for the removal of the visible solids;</li> <li>• Methods of disposal of the collected solids; and,</li> <li>• Location where the <i>discharge</i> will be released</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                    |
| Blasting & Painting Areas              | <p>The SWPPP must:</p> <ul style="list-style-type: none"> <li>• Describe and provide for the implementation of measures to prevent spent abrasives, paint chips and overspray from discharging into the receiving water body or the storm sewer system.</li> <li>• Include provisions to contain all blasting/painting activities to prevent the <i>discharge</i> of contaminants. Consider hanging plastic barriers or tarpaulins during blasting or painting operations to contain debris.</li> <li>• Include a schedule for regularly cleaning storm systems to remove deposits of abrasive blasting debris and paint chips, if applicable.</li> <li>• Describe and provide for implementation of standard operating practices for blasting and painting activities, such as the prohibition of uncontained blasting/painting over open water or the prohibition of blasting/painting during windy conditions that can render containment ineffective.</li> </ul> |
| Material Storage Areas                 | <p>All containerized materials (fuels, paints, solvents, waste oil, antifreeze, batteries) must be plainly labeled and stored in a protected, secure location away from drains.</p> <p>The SWPPP must:</p> <ul style="list-style-type: none"> <li>• Describe and provide for the implementation of measures to prevent or <i>minimize</i> contamination of precipitation/surface runoff from the storage areas.</li> <li>• Specify which materials are stored indoors and consider containment or enclosure for materials that are stored outdoors.</li> <li>• Document considerations regarding implementing an inventory control plan to limit the presence of potentially hazardous materials on-site.</li> <li>• Evaluate the storage and disposal of spent abrasive materials generated at the facility where abrasive blasting is performed</li> </ul>                                                                                                         |

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| General Yard Area                 | <p>The plan must include a schedule for routine yard maintenance and cleanup. Scrap metal, wood, plastic, miscellaneous trash, paper, glass, industrial scrap, insulation, welding rods, packaging, etc., must be routinely removed from the general yard area.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Engine Maintenance & Repair Areas | <p>The SWPPP must describe and provide for implementation of measures to prevent or <i>minimize</i> contamination of precipitation/surface runoff from all areas used for engine maintenance and repair.</p> <p>The SWPPP shall document considerations of the following <i>BMPs</i> (or their equivalence):</p> <ul style="list-style-type: none"> <li>• Performing all maintenance activities indoors;</li> <li>• Maintaining an organized inventory of materials used in the shop;</li> <li>• Draining all parts of fluids prior to disposal;</li> <li>• Prohibiting the practice of hosing down the shop floor;</li> <li>• Specify use of dry cleanup methods</li> <li>• Treating and/or recycling <i>stormwater</i> runoff collected from the maintenance area.</li> </ul>             |
| Material Handling Areas           | <p>The SWPPP must describe and provide for implementation of measures to prevent or <i>minimize</i> contamination of precipitation/surface runoff from material handling operations and areas (e.g., fueling, paint and solvent mixing, disposal of process wastewater streams from vessels).</p> <p>The SWPPP shall document considerations of the following <i>BMPs</i> (or their equivalents):</p> <ul style="list-style-type: none"> <li>• Covering fueling areas;</li> <li>• Using spill/overflow protection;</li> <li>• Mixing paints and solvents in a designated area (preferably indoors or under a shed);</li> <li>• Minimizing run-on of <i>stormwater</i> to material handling areas</li> </ul>                                                                                 |
| Dry dock Areas                    | <p>The SWPPP must describe procedures for the following:</p> <ul style="list-style-type: none"> <li>• Routine maintenance and cleaning of the dry dock to <i>minimize</i> the potential for <i>pollutants</i> in the <i>stormwater</i> runoff.</li> <li>• Cleaning the accessible areas of the dry dock prior to flooding</li> <li>• Final cleanup after the vessels are removed and the dock is raised.</li> <li>• Cleanup of oil, grease, or fuel spills occurring on the dry dock. <ul style="list-style-type: none"> <li>o Sweep rather than hose off debris /spent blasting material from the accessible areas of the dry dock prior to flooding</li> <li>o Keep absorbent materials and oil containment booms readily available to contain/cleanup any spills.</li> </ul> </li> </ul> |
| Inspections                       | <p>The following areas shall be included in all monthly inspections:</p> <ul style="list-style-type: none"> <li>• Pressure washing areas;</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

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|                              | <ul style="list-style-type: none"> <li>• Blasting, sanding, and painting areas</li> <li>• Material storage areas</li> <li>• Engine maintenance/repair areas</li> <li>• Material handling areas</li> <li>• Drydock area</li> <li>• General yard area.</li> </ul> <p><u>Comprehensive site compliance evaluation</u> - The <i>permittee</i> shall conduct regularly scheduled evaluations at least once a year and address those areas contributing to a <i>stormwater discharge</i> associated with <i>industrial activity</i> (e.g., pressure washing area, blasting/sanding areas, painting areas, material storage areas, engine maintenance/repair areas, material handling areas, and drydock area). These sources shall be inspected for evidence of, or the potential for, <i>pollutants</i> entering the drainage system</p> |
| Employee Training            | <p>Training shall address, at a minimum, the following activities (as applicable):</p> <ul style="list-style-type: none"> <li>• Used oil management</li> <li>• Spent solvent management</li> <li>• Proper disposal of spent abrasives</li> <li>• Proper disposal of vessel wastewaters, spill prevention and control</li> <li>• Fueling procedures</li> <li>• General good housekeeping practices</li> <li>• Painting and blasting procedures</li> <li>• Used battery management.</li> </ul>                                                                                                                                                                                                                                                                                                                                        |
| Preventative Maintenance     | <p>As part of the facility's preventative maintenance program, <i>stormwater</i> management devices shall be inspected and maintained in a timely manner (e.g., oil/water separators and sediment traps cleaned to ensure that spent abrasives, paint chips and solids are intercepted and retained prior to entering the storm drainage system). Facility equipment and systems shall also be inspected and tested to uncover conditions that could cause breakdowns or failures resulting in <i>discharges</i> of <i>pollutants</i> to surface waters.</p>                                                                                                                                                                                                                                                                        |
| Numeric Effluent Limitations | <p>No Numeric Effluent Limits specified for this sector.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Benchmarks                   | <p>No <i>Benchmark Monitoring</i> or reporting is required for this sector.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

## Sector S – Air Transportation

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| <p style="text-align: center;"><b>Applicability</b></p>                               | <p>The requirements listed under this section apply to <i>stormwater discharges associated with industrial activity</i> from air transportation facilities including</p> <ul style="list-style-type: none"> <li>• air transportation (scheduled and non-scheduled);</li> <li>• air courier services;</li> <li>• airports;</li> <li>• flying fields (except those maintained by aviation clubs);</li> <li>• air terminal services including air traffic control (except government);</li> <li>• aircraft storage at airports;</li> <li>• aircraft upholstery repair;</li> <li>• airfreight handling at airports;</li> <li>• airport hangar rental;</li> <li>• airport leasing, if operating airport;</li> <li>• airport terminal services;</li> <li>• hangar operation;</li> <li>• airport, aircraft service and maintenance including aircraft cleaning and janitorial service;</li> <li>• aircraft servicing /repairing (except on a factory basis);</li> <li>• vehicle maintenance shops;</li> <li>• material handling facilities;</li> <li>• equipment cleaning operations; and</li> <li>• airport/aircraft deicing and anti-icing. [Note: For the purpose of this section, the term "deicing" is defined as the process to remove frost, snow, or ice and "anti-icing" is the process which prevents the accumulation of frost, snow, or ice.]</li> </ul> <p>Only those portions of the facility that are either involved in vehicle maintenance (including vehicle rehabilitation, mechanical repairs, painting, fueling, and lubrication), equipment cleaning operations, or deicing/anti-icing operations are addressed under this section.</p> |
| <p style="text-align: center;"><b>Prohibitions<br/>Non -Stormwater discharges</b></p> | <p>In addition to the general non-<i>stormwater</i> prohibition in Paragraph I.D.1, the following <i>discharges</i> not covered by this permit include, but are not limited to:</p> <ul style="list-style-type: none"> <li>• aircraft, ground vehicle, runway and equipment washwaters, and</li> <li>• dry weather <i>discharges</i> of deicing/anti-icing chemicals.</li> </ul> <p>These <i>discharges</i> must be covered by a separate <i>SPDES</i> permit.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

| SWPPP Requirements in addition to Part III |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|--------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| General                                    | <p>Air transportation facilities often have more than one operator who could <i>discharge stormwater</i> associated with <i>industrial activity</i>. For the purposes of this permit Owners or Operators include the airport authority and airport tenants., tenants Tenants of the airport facility include airline passenger or cargo companies, fixed based <i>owners or operators</i> and other parties who have contracts with the airport authority to conduct business operations on airport property and whose operations result in <i>stormwater discharges</i> associated with <i>industrial activity</i>.</p> <p>SWPPPs developed for areas of the facility occupied by tenants of the airport shall be integrated with the comprehensive SWPPP for the entire airport. As applicable, the comprehensive SWPPP must clearly specify the MSGP requirements to be complied with by the:</p> <ul style="list-style-type: none"> <li>• Airport authority for itself;</li> <li>• Airport authority on behalf of its tenants;</li> <li>• Tenants for themselves</li> </ul> <p>For each activity that an <i>owner or operator</i> conducts on behalf of another <i>owner or operator</i>, the SWPPP must describe a process for reporting results to the latter operator and for ensuring appropriate follow-up by all affected operators.</p> |
| Site Map                                   | <p>The site map shall identify where any of the following activities may be exposed to precipitation/surface runoff:</p> <ul style="list-style-type: none"> <li>• Aircraft and runway deicing/anti-icing operations;</li> <li>• Fueling stations;</li> <li>• Aircraft, ground vehicle and equipment maintenance/cleaning areas;</li> <li>• Storage areas for aircraft, ground vehicles and equipment awaiting maintenance.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Summary of Potential Pollutant Sources     | <p>A narrative description of the potential <i>pollutant</i> sources from the following activities:</p> <ul style="list-style-type: none"> <li>• aircraft, runway, ground vehicle and equipment maintenance and cleaning;</li> <li>• aircraft and runway deicing/anti-icing operations (including apron and centralized aircraft deicing/anti-icing stations, runways, taxiways and ramps).</li> </ul> <p>Facilities that conduct deicing/anti-icing operations shall maintain a record of the types (including the Material Safety Data Sheets (MSDS)) and monthly quantities of deicing/anti-icing chemicals used, either as measured amounts, or in the absence of metering, as estimated amounts. This includes all deicing/anti-icing chemicals, not just glycols and urea (e.g., potassium acetate). Tenants and fixed-base operators who conduct deicing/anti-icing operations shall provide the above information to the airport authority for inclusion in the <i>stormwater</i> pollution prevention plan for the entire facility.</p>                                                                                                                                                                                                                                                                                                   |

| Additional Non-Numeric Effluent Limits                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
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| Good Housekeeping Measures                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Aircraft, ground vehicle and equipment maintenance areas | <p>The SWPPP must describe and provide for implementation of measures that prevent or <i>minimize</i> the contamination of <i>stormwater</i> runoff from all areas used for aircraft, ground vehicle and equipment maintenance (including the maintenance conducted on the terminal apron and in dedicated hangars).</p> <p>The SWPPP must document consideration of the following measures (or their equivalents)::</p> <ul style="list-style-type: none"> <li>• Performing maintenance activities indoors;</li> <li>• Maintaining an organized inventory of materials used in the maintenance areas</li> <li>• Draining all parts of fluids prior to disposal</li> <li>• Preventing the practice of hosing down the apron or hangar floor</li> <li>• Using dry cleanup methods</li> <li>• Collecting the <i>stormwater</i> runoff from the maintenance area</li> <li>• Providing treatment or recycling</li> </ul> |
| Aircraft, ground vehicle and equipment cleaning areas    | <p>The SWPPP shall include provisions that ensure that cleaning of equipment is conducted in designated areas only and clearly identify these areas on the ground and delineate them on the site map.</p> <p>The plan must describe measures that will be implemented to prevent or <i>minimize</i> the contamination of the <i>stormwater</i> runoff from cleaning areas.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Aircraft, ground vehicle and equipment storage areas     | <p>The storage of aircraft, ground vehicles and equipment awaiting maintenance must be confined to designated areas (delineated on the site map).</p> <p>The SWPPP shall document consideration of the following <i>BMPs</i> (or their equivalents):</p> <ul style="list-style-type: none"> <li>• Indoor storage of aircraft and ground vehicles</li> <li>• Use of drip pans for the collection of fluid leaks</li> <li>• Perimeter drains, dikes or berms surrounding storage areas.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Material storage areas                                   | <p>The SWPPP must describe and provide for implementation of measures that prevent or <i>minimize</i> contamination of precipitation/runoff from storage areas. Storage vessels of all materials (e.g., used oils, hydraulic fluids, spent solvents, and waste aircraft fuel) must be maintained in good condition, so as to prevent or <i>minimize</i> contamination of <i>stormwater</i>, and plainly labeled (e.g., "used oil," "Contaminated Jet A," etc.).</p> <p>The SWPPP shall document consideration of the following <i>BMPs</i> (or their equivalents):</p> <ul style="list-style-type: none"> <li>• Indoor storage of materials</li> <li>• Centralized storage areas for waste materials</li> <li>• Installation of berms/dikes around storage areas.</li> </ul>                                                                                                                                         |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
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| <b>Airport Fuel System and<br/>Fueling Areas</b>                                                                                                                                                                                                                                                                                                                                                                                                          | <p>The SWPPP must describe and provide for implementation of measures that prevent or <i>minimize</i> the <i>discharge</i> of fuels to the storm sewer/surface waters resulting from fuel servicing activities or other operations conducted in support of the airport fuel system.</p> <p>The SWPPP shall document considerations of the following <i>BMPs</i> (or their equivalents):</p> <ul style="list-style-type: none"> <li>• Implementing spill and overflow practices (e.g., placing absorptive materials beneath aircraft during fueling operations)</li> <li>• Using dry cleanup methods</li> <li>• Collecting the <i>stormwater</i> runoff</li> </ul>                                                                                                                                                                                                                                                                                      |
| <b>Source Reductions</b>                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <p><i>Owners or operators</i> who conduct deicing/anti-icing operations shall consider alternatives to the use of urea and glycol-based deicing/anti-icing chemicals to reduce the aggregate amount of deicing/anti-icing chemicals used and/or lessen the environmental impact. Chemical options to replace ethylene glycol, propylene glycol and urea include: potassium acetate; magnesium acetate; calcium acetate; and anhydrous sodium acetate.</p> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Runway Deicing Operations</b>                                                                                                                                                                                                                                                                                                                                                                                                                          | <p><i>Owners or operators</i> shall evaluate present application rates to ensure against excessive over application by analyzing application rates and adjusting as necessary, consistent with considerations of flight safety.</p> <p>The SWPPP shall document considerations of the following <i>BMPs</i> (or their equivalents):</p> <ul style="list-style-type: none"> <li>• Metered application of chemicals;</li> <li>• Prewetting dry chemical constituents prior to application;</li> <li>• Installation of runway ice detection systems;</li> <li>• Implementing anti-icing operations as a preventive measure against ice buildup;</li> <li>• Product substitution;</li> <li>• Heating sand</li> </ul>                                                                                                                                                                                                                                       |
| <b>Aircraft deicing/anti icing<br/>operations</b>                                                                                                                                                                                                                                                                                                                                                                                                         | <p><i>Owners or operators</i> shall determine whether excessive application of deicing/anti-icing chemicals occurs, and adjust as necessary, consistent with considerations of flight safety. This evaluation should be carried out by the personnel most familiar with the particular aircraft and flight operations in question (versus an outside entity such as the airport authority). The use of alternative deicing/anti-icing agents, as well as containment measures for all applied chemicals, shall be considered.</p> <p>The SWPPP shall document considerations of the following <i>BMPs</i> (or their equivalents) for reducing deicing fluid:</p> <ul style="list-style-type: none"> <li>• Forced-air deicing systems</li> <li>• Computer-controlled fixed-gantry systems</li> <li>• Infrared technology</li> <li>• Hot water</li> <li>• Varying glycol content to air temperature</li> <li>• Enclosed-basket deicing trucks</li> </ul> |

|                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
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|                      | <ul style="list-style-type: none"> <li>• Mechanical methods</li> <li>• Solar radiation</li> <li>• Hangar storage</li> <li>• Aircraft covers</li> <li>• Thermal blankets for MD-80s and DC-9s</li> <li>• Ice-detection systems</li> <li>• Airport traffic flow strategies</li> <li>• Departure slot allocation systems</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Management of runoff | <p>Where deicing/anti-icing operations occur, <i>owners or operators</i> shall describe and implement a program to control or manage contaminated runoff to <i>minimize</i> the amount of <i>pollutants</i> being <i>discharged</i> from the site.</p> <p>The SWPPP shall document consideration of the following <i>BMPs</i> (or their equivalents):</p> <ul style="list-style-type: none"> <li>• Establish a dedicated deicing facility with a runoff collection/recovery system;</li> <li>• Use vacuum/collection trucks;</li> <li>• Store contaminated <i>stormwater</i>/deicing fluids in tanks and releaseing controlled amounts to a publicly owned treatment works in accordance with pretreatment program requirements</li> <li>• Collect contaminated runoff in a wet pond for biochemical decomposition (be aware of attracting wildlife that may prove hazardous to flight operations)</li> <li>• Direct runoff into vegetative swales or other infiltration measures.</li> <li>• Recover deicing/anti-icing materials when these materials are applied during nonprecipitation events (e.g., covering storm sewer inlets, using booms, installing absorptive interceptors in the drains, etc.) to prevent these materials from later becoming a source of <i>stormwater</i> contamination.</li> <li>• Recycle used deicing fluid whenever possible</li> </ul> |
| Inspections          | <p>The inspection frequency shall be specified in the SWPPP. At a minimum, inspections shall be conducted once per month during deicing/anti-icing season (e.g., October through April for most airports). If deicing occurs before or after this period, the inspections shall be expanded to include all months during which deicing chemicals may be used.</p> <p>If significantly or deleteriously large quantities of deicing chemicals are being spilled or <i>discharged</i>, or if water quality impacts have been reported, the inspection frequency shall be increased to weekly until such time as the chemical spills/<i>discharges</i> or impacts are reduced to acceptable levels.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

| Comprehensive site compliance inspection                                                                                                                | The annual site compliance evaluations shall be conducted by qualified facility personnel during periods of actual deicing operations, if possible. If not practicable during active deicing or if the weather is too inclement, the evaluations shall be conducted when deicing operations are likely to occur and the materials and equipment for deicing are in place.                                                                                                                                                                                                |                                                   |           |                |                                                                                                                                                         |                     |                         |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|-----------|----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|-------------------------|--|
| Numeric Effluent Limitations                                                                                                                            | <u>Airfield Pavement Deicing</u><br>For both existing and new “primary airports” (as defined at 40 CFR 449.2) with 1,000 or more annual non-propeller aircraft departures that <i>discharge stormwater</i> from airfield pavement deicing activities, there shall be no <i>discharge</i> of airfield pavement deicers containing urea. To comply with this limitation, such airports must do one of the following: (1) certify annually on the annual report that you do not use pavement deicers containing urea, or (2) meet the effluent limitation in Table VII.S-1. |                                                   |           |                |                                                                                                                                                         |                     |                         |  |
|                                                                                                                                                         | <u>Aircraft Deicing</u><br>Airports that are both “primary airports” (as defined at 40 CFR 449.2) and new sources (“new airports”) with 1,000 or more annual non-propeller aircraft departures must meet the applicable requirements for aircraft deicing at 40 CFR 449.11(a). <i>Discharges</i> of the collected aircraft deicing fluid directly to waters of the U.S. are not eligible for coverage under this permit.                                                                                                                                                 |                                                   |           |                |                                                                                                                                                         |                     |                         |  |
|                                                                                                                                                         | <u>Monitoring, Reporting and Recordkeeping.</u> For new and existing airports subject to the effluent limitations above, you must comply with the applicable monitoring, reporting and recordkeeping requirements outlined in 40 CFR 449.20.                                                                                                                                                                                                                                                                                                                             |                                                   |           |                |                                                                                                                                                         |                     |                         |  |
|                                                                                                                                                         | <b>Table VII-S-1.</b><br><b>Sector S - Numeric Effluent Limitations</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                   |           |                |                                                                                                                                                         |                     |                         |  |
|                                                                                                                                                         | <table><tr><th>Industrial Activity</th><th>Parameter</th><th>Effluent Limit</th></tr><tr><td>Runoff containing urea from airfield pavement deicing at existing and new primary airports with 1,000 or more annual non-propeller aircraft departures.</td><td>Ammonia as Nitrogen</td><td>14.7 mg/L daily maximum</td></tr></table>                                                                                                                                                                                                                                       | Industrial Activity                               | Parameter | Effluent Limit | Runoff containing urea from airfield pavement deicing at existing and new primary airports with 1,000 or more annual non-propeller aircraft departures. | Ammonia as Nitrogen | 14.7 mg/L daily maximum |  |
| Industrial Activity                                                                                                                                     | Parameter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Effluent Limit                                    |           |                |                                                                                                                                                         |                     |                         |  |
| Runoff containing urea from airfield pavement deicing at existing and new primary airports with 1,000 or more annual non-propeller aircraft departures. | Ammonia as Nitrogen                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 14.7 mg/L daily maximum                           |           |                |                                                                                                                                                         |                     |                         |  |
| Benchmarks                                                                                                                                              | Airports that use more than 100,000 gallons of glycol-based deicing/anti-icing chemicals and/or 100 tons or more of urea on an average annual basis shall sample their <i>stormwater discharges</i> for the parameters listed in Table VII-S-12. <u>Only those outfalls from the airport facility that collect runoff from areas where deicing/anti-icing activities occur must be monitored (SIC 4512-4581).</u>                                                                                                                                                        |                                                   |           |                |                                                                                                                                                         |                     |                         |  |
|                                                                                                                                                         | <b>Table VII-S-2</b><br><b>Sector S - Benchmark Monitoring Requirement</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                   |           |                |                                                                                                                                                         |                     |                         |  |
|                                                                                                                                                         | <b>Pollutants of Concern</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <b>Benchmark Monitoring Cut-off Concentration</b> |           |                |                                                                                                                                                         |                     |                         |  |
|                                                                                                                                                         | Biochemical Oxygen Demand (BOD5)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 30 mg/L                                           |           |                |                                                                                                                                                         |                     |                         |  |
|                                                                                                                                                         | Chemical Oxygen Demand (COD)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 120 mg/L                                          |           |                |                                                                                                                                                         |                     |                         |  |
|                                                                                                                                                         | Total Nitrogen (TN)*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 6 mg/L                                            |           |                |                                                                                                                                                         |                     |                         |  |
|                                                                                                                                                         | pH                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | within the range 6.0 to 9.0 s.u.                  |           |                |                                                                                                                                                         |                     |                         |  |
| * Total Nitrogen is calculated as the sum of ammonia, nitrate-nitrite and organic nitrogen                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                   |           |                |                                                                                                                                                         |                     |                         |  |

## Sector T – Treatment Works

|                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
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| <b>Applicability</b>                                        | <p>The requirements listed under this section apply to <i>stormwater discharges associated with industrial activity</i> from treatment works treating domestic sewage or any other sewage sludge or wastewater treatment device or system, used in the storage, treatment, recycling, and reclamation of municipal or domestic sewage, including lands dedicated to the disposal of sewage sludge that are located within the confines of the facility with a design flow of 1.0 MGD or more, or required to have an approved pretreatment program under 40 CFR 403 (Industrial Activity Code "TW"). Farm lands, domestic gardens or lands used for sludge management where sludge is beneficially reused and that are not physically located within the facility, or areas that are in compliance with Section 405 of the CWA are not required to have permit coverage.</p> |
| <b>Prohibitions<br/>Non -<br/>Stormwater<br/>discharges</b> | <p>In addition to the general non-<i>stormwater</i> prohibition in Part I.C.1, the following <i>discharges</i> not covered by this permit include, but are not limited to: sanitary and industrial wastewater; and equipment/vehicle wash waters</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>SWPPP Requirements in addition to Part III</b>           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Site Map</b>                                             | <p>The site map shall identify where any of the following may be exposed to precipitation/surface runoff:</p> <ul style="list-style-type: none"> <li>• Grit, screenings and other solids handling, storage or disposal areas</li> <li>• Sludge drying beds</li> <li>• Dried sludge piles</li> <li>• Compost piles</li> <li>• Septage or hauled waste receiving station</li> <li>• Storage areas for process chemicals, petroleum products, solvents, fertilizers, herbicides and pesticides</li> </ul>                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Summary of Potential Pollutant Sources</b>               | <p>A description of the potential <i>pollutant</i> sources from the following activities, as applicable:</p> <ul style="list-style-type: none"> <li>• Grit, screenings and other solids handling, storage or disposal areas</li> <li>• Sludge drying beds; dried sludge piles</li> <li>• Compost piles</li> <li>• Septage or hauled waste receiving station</li> <li>• Access roads/rail lines.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

| Additional Non-Numeric Effluent Limits |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                   |
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| BMPs                                   | <p>The SWPPP shall document considerations of the following <i>BMPs</i> (or their equivalents):</p> <ul style="list-style-type: none"><li>• Routing <i>stormwater</i> to the treatment works</li><li>• Covering exposed materials, including but not limited to the following:<ul style="list-style-type: none"><li>o Grit, screenings and other solids handling, storage or disposal areas</li><li>o Sludge drying beds</li><li>o Dried sludge piles</li><li>o Compost piles</li><li>o Septage or hauled waste receiving station.</li></ul></li></ul> |                                                   |
| Inspections                            | <p>The following areas shall be included in all inspections:</p> <ul style="list-style-type: none"><li>• Access roads/rail lines, grit, screenings and other solids handling, storage or disposal areas;</li><li>• Sludge drying beds</li><li>• Dried sludge piles</li><li>• Compost piles</li><li>• Septage or hauled waste receiving station areas</li></ul>                                                                                                                                                                                         |                                                   |
| Employee Training                      | <p>Employee training must, at a minimum, address the following areas when applicable to a facility:</p> <ul style="list-style-type: none"><li>• Petroleum product management</li><li>• Process chemical management</li><li>• Spill prevention and control</li><li>• Fueling procedures</li><li>• General good housekeeping practices</li><li>• Proper procedures for using fertilizers, herbicides and pesticides</li></ul>                                                                                                                            |                                                   |
| Numeric Effluent Limitations           | No Numeric Effluent Limits specified for this sector.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                   |
| Benchmarks                             | Treatment works are required to monitor their <i>stormwater discharges</i> for the <i>pollutants</i> of concern listed in Table VII-T-1                                                                                                                                                                                                                                                                                                                                                                                                                |                                                   |
|                                        | Table VII-T-1<br>Sector T - <i>Benchmark Monitoring Requirement</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                   |
|                                        | <i>Pollutants of Concern</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <i>Benchmark Monitoring Cut-off Concentration</i> |
|                                        | Treatment Works (Industrial Activity Code "TW")                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                   |
|                                        | Chemical Oxygen Demand (COD)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 120 mg/L                                          |

## Sector U – Food & Kindred Products

|                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
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| <p><b>Applicability</b></p>                                   | <p>The requirements listed under this section apply to <i>stormwater discharges associated with industrial activity</i> from food and kindred products processing facilities (commonly identified by SIC Code 20), including:</p> <ul style="list-style-type: none"> <li>• Meat products</li> <li>• Dairy products</li> <li>• Canned, frozen and preserved fruits, vegetables, and food specialties</li> <li>• Grain mill products</li> <li>• Bakery products;</li> <li>• Sugar and confectionery products;</li> <li>• Fats and oils</li> <li>• Beverages</li> <li>• Miscellaneous food preparations and kindred products and tobacco products manufacturing (SIC Code 21).</li> </ul> |
| <p><b>Prohibitions<br/>Non -Stormwater<br/>discharges</b></p> | <p>In addition to the general non-<i>stormwater</i> prohibition in Paragraph I.D.1, the following <i>discharges</i> not covered by this permit include, but are not limited to:</p> <ul style="list-style-type: none"> <li>• Boiler blow down</li> <li>• Cooling tower overflow and blow down</li> <li>• Ammonia refrigeration purging</li> <li>• Vehicle washing/clean-out operations</li> </ul>                                                                                                                                                                                                                                                                                      |
| <p><b>SWPPP Requirements in addition to Part III</b></p>      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <p><b>Site Map</b></p>                                        | <p>The site map shall identify the locations of the following activities if they are exposed to precipitation/surface runoff:</p> <ul style="list-style-type: none"> <li>• Vents/stacks from cooking, drying, and similar operations</li> <li>• Dry product vacuum transfer lines</li> <li>• Animal holding pens</li> <li>• Spoiled product</li> <li>• Broken product container storage areas</li> </ul>                                                                                                                                                                                                                                                                               |
| <p><b>Summary of Potential<br/>Pollutant Sources</b></p>      | <p>In addition to food and kindred products processing-related industrial activities, the plan must also describe application and storage of pest control chemicals (e.g., rodenticides, insecticides, fungicides, etc.) used on plant grounds.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                    |

| Additional Non-Numeric Effluent Limits |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                   |
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| Inspections                            | <p>At a minimum, the following areas, where the potential for exposure to <i>stormwater</i> exists, must be inspected:</p> <ul style="list-style-type: none"><li>• Loading and unloading areas for all significant materials</li><li>• Storage areas, including associated containment areas</li><li>• Waste management units</li><li>• Vents and stacks emanating from industrial activities</li><li>• Spoiled product and broken product container holding areas</li><li>• Animal holding pens</li><li>• Staging areas</li><li>• Air pollution control equipment</li></ul> |                                                   |
| Employee Training                      | The employee training program must also address pest control.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                   |
| Numeric Effluent Limitations           | No Numeric Effluent Limits specified for this sector.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                   |
| Benchmarks                             | Grain mills and fats and oils products facilities are required to monitor their <i>stormwater discharges</i> for the <i>pollutants</i> of concern listed in Table VII-U-1.                                                                                                                                                                                                                                                                                                                                                                                                   |                                                   |
|                                        | Table VII-U-1<br>Sector U - <i>Benchmark Monitoring Requirement</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                   |
|                                        | <i>Pollutants of Concern</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <i>Benchmark Monitoring Cut-off Concentration</i> |
|                                        | Grain Mill Products (SIC 2041-2048)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                   |
|                                        | Total Suspended Solids (TSS)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 100 mg/L                                          |
|                                        | Total Nitrogen (TN)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 6 mg/L                                            |
|                                        | Total Phosphorus (TP)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 2 mg/L                                            |
|                                        | Fats and Oils Products (SIC 2074-2079)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                   |
|                                        | Total Suspended Solids (TSS)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 100 mg/L                                          |
|                                        | Biochemical Oxygen Demand (BOD5)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 30 mg/L                                           |
|                                        | Chemical Oxygen Demand (COD)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 120 mg/L                                          |
|                                        | Total Nitrogen (TN)*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 6 mg/L                                            |
|                                        | Total Phosphorus (TP)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 2 mg/L                                            |
|                                        | * Total Nitrogen is calculated as the sum of ammonia, nitrate-nitrite and organic nitrogen.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                   |

## Sector V – Textile Mills, Apparel & Other Fabric Products

|                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|--------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Applicability</b>                                   | <p>The requirements listed under this section apply to <i>stormwater discharges associated with industrial activity</i> from textile mills, apparel and other fabric product manufacturing, generally described by SIC 22 and 23. Facilities in this sector are primarily engaged in the following activities:</p> <ul style="list-style-type: none"> <li>• Textile mill products, of and regarding facilities and establishments engaged in the preparation of fiber and subsequent manufacturing of yarn, thread, braids, twine, and cordage,</li> <li>• Manufacturing of broad woven fabrics, narrow woven fabrics, knit fabrics, and carpets and rugs from yarn</li> <li>• Processes involved in the dyeing and finishing of fibers, yarn fabrics, and knit apparel</li> <li>• Integrated manufacturing of knit apparel and other finished articles of yarn</li> <li>• Manufacturing of felt goods (wool), lace goods, nonwoven fabrics , miscellaneous textiles, and other apparel products.</li> </ul> <p>This section also covers facilities engaged in manufacturing finished leather and artificial leather products (SIC 31, except 3111).</p> |
| <b>Prohibitions<br/>Non -Stormwater<br/>discharges</b> | <p>In addition to the general non-<i>stormwater</i> prohibition in Paragraph I.D.1, the following <i>discharges</i> not covered by this permit and must be covered by a separate <i>SPDES</i> Permit include, but are not limited to:</p> <ul style="list-style-type: none"> <li>• <i>Discharges</i> of wastewater (e.g., wastewater as a result of wet processing or from any processes relating to the production process)</li> <li>• Reused/recycled water</li> <li>• Waters used in cooling towers</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>SWPPP Requirements in addition to Part III</b>      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Summary of Potential Pollutant Sources</b>          | <p>A description of the potential <i>pollutant</i> sources from industry-specific <i>significant materials</i> and industrial activities (e.g., backwinding, beaming, bleaching, backing, bonding carbonizing, carding, cut and sew operations, desizing, drawing, dyeing, flocking, fulling, knitting, mercerizing, opening, packing, plying, scouring, slashing, spinning, synthetic-felt processing, textile waste processing, tufting, turning, weaving, web forming, winging, yarn spinning, and yarn texturing.)</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

| Additional Non-Numeric Effluent Limits |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Material storage areas                 | <p>All containerized materials (fuels, petroleum products, solvents, dyes, etc.) must be clearly labeled and stored in a protected area, away from drains.</p> <p>The SWPPP must document considerations of the following <i>BMPs</i> (or their equivalents):</p> <ul style="list-style-type: none"> <li>• Describe and provide for implementation of measures that prevent or <i>minimize</i> contamination of <i>stormwater</i> runoff from such storage areas.</li> <li>• Provide for containment or enclosure of materials that are stored outdoors.</li> <li>• Develop an inventory control plan to prevent excessive purchasing of potentially hazardous substances.</li> <li>• Ensure that empty chemical drums/containers are clean <ul style="list-style-type: none"> <li>o Triple-rinsing shall be considered</li> <li>o Residuals are not subject to contact with precipitation/runoff.</li> <li>o Proper collection and storage of washwater from drum cleanings</li> </ul> </li> </ul> |
| Material handling areas                | <p>The SWPPP must describe and provide for implementation of measures that prevent or <i>minimize</i> contamination of the <i>stormwater</i> runoff from materials handling operations and areas.</p> <p>The SWPPP must document considerations of the following <i>BMPs</i> (or their equivalence):</p> <ul style="list-style-type: none"> <li>• Use of spill/overflow protection</li> <li>• Covering fueling areas</li> <li>• Covering and enclosing areas where the transfer of materials may occur.</li> <li>• Replacement or repair of leaking connections, valves, transfer lines and pipes that may carry chemicals, dyes, or wastewater, where applicable.</li> </ul>                                                                                                                                                                                                                                                                                                                       |
| Fueling areas                          | <p>The SWPPP must describe and include provisions to implement measures that prevent or <i>minimize</i> contamination of the <i>stormwater</i> runoff from fueling areas.</p> <p>The SWPPP shall document considerations of the following <i>BMPs</i> (or their equivalents):</p> <ul style="list-style-type: none"> <li>• Covering the fueling area</li> <li>• Using spill and overflow protection</li> <li>• Minimizing runoff of <i>stormwater</i> to the fueling areas</li> <li>• Using dry cleanup methods</li> <li>• Treating and/or recycling <i>stormwater</i> runoff collected from the fueling area</li> </ul>                                                                                                                                                                                                                                                                                                                                                                            |
| Inspections                            | <p>Inspections shall be conducted at least monthly, and shall include the following activities and areas (at a minimum):</p> <ul style="list-style-type: none"> <li>• Transfer and transmission lines;</li> <li>• Spill prevention;</li> <li>• Good housekeeping practices;</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

|                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
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|                                | <ul style="list-style-type: none"> <li>• Management of process waste products; and</li> <li>• All structural and nonstructural management practices.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Aboveground storage tank areas | <p>The SWPPP must describe and provide for implementation of measures that prevent or <i>minimize</i> contamination of the <i>stormwater</i> runoff from aboveground storage tank areas, including the associated piping and valves.</p> <p>The SWPPP shall document considerations of the following <i>BMPs</i> (or their equivalents):</p> <ul style="list-style-type: none"> <li>• Regular cleanup of these areas</li> <li>• Preparation of a spill prevention control and countermeasure program</li> <li>• Spill and overflow protection</li> <li>• Minimizing run-on of <i>stormwater</i> from adjacent areas</li> <li>• Restricting access to the area</li> <li>• Insertion of filters in adjacent catch basins</li> <li>• Absorbent booms in unbermed fueling areas</li> <li>• Use of dry cleanup methods</li> <li>• Permanently sealing drains within critical areas that may <i>discharge</i> to a storm drain.</li> </ul> |
| Employee Training              | <p>Employee training must, at a minimum address, the following areas when applicable to a facility:</p> <ul style="list-style-type: none"> <li>• Use of reused/recycled waters;</li> <li>• Solvents management;</li> <li>• Proper disposal of dyes;</li> <li>• Proper disposal of petroleum products and spent lubricants;</li> <li>• Spill prevention and control;</li> <li>• Fueling procedures; and</li> <li>• General good housekeeping practices.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Comprehensive Site Inspection  | <p>Regularly scheduled evaluations shall be conducted at least once a year and address those areas contributing to a <i>stormwater discharge</i> associated with <i>industrial activity</i>. Inspections shall look for evidence of, or the potential for, <i>pollutants</i> entering the drainage system from the following areas, as appropriate: storage tank areas; waste disposal and storage areas; dumpsters and open containers stored outside; materials storage areas; engine maintenance and repair areas; material handling areas and loading dock areas.</p>                                                                                                                                                                                                                                                                                                                                                            |
| Numeric Effluent Limitations   | <p>No Numeric Effluent Limits specified for this sector.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Benchmark                      | <p>No <i>Benchmark Monitoring</i> or reporting is required for this sector.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |

## Sector W – Furniture & Fixtures

|                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|---------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Applicability                                     | <p>The requirements listed under this section apply to <i>stormwater discharges associated with industrial activity</i> from facilities involved in the manufacturing of:</p> <ul style="list-style-type: none"> <li>• Wood kitchen cabinets (generally described by SIC Code 2434)</li> <li>• Household furniture (SIC 251)</li> <li>• Office furniture (SIC 252)</li> <li>• Public buildings and related furniture (SIC 253)</li> <li>• Partitions, shelving, lockers, and office and store fixtures (SIC 254)</li> <li>• Miscellaneous furniture and fixtures (SIC 259).</li> </ul> |
| <b>SWPPP Requirements in addition to Part III</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Site Map                                          | <p>The site map shall identify where any of the following may be exposed to precipitation/surface runoff:</p> <ul style="list-style-type: none"> <li>• Material storage areas (including tanks or other vessels used for liquid or waste storage)</li> <li>• Outdoor material processing areas</li> <li>• Areas where wastes are treated, stored or disposed</li> <li>• Access roads</li> <li>• Rail spurs.</li> </ul>                                                                                                                                                                 |
| <b>Additional Non-Numeric Effluent Limits</b>     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Numeric Effluent Limitations                      | No Numeric Effluent Limits specified for this sector.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Benchmarks                                        | No <i>Benchmark Monitoring</i> or reporting is required for this sector.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

## Sector X – Printing & Publishing

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|---------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Applicability</b>                              | <p>The requirements listed under this section apply to <i>stormwater discharges associated with industrial activity</i> from printing and publishing facilities (generally classified under SIC Major Group 27) including the following:</p> <ul style="list-style-type: none"> <li>• Book printing</li> <li>• Commercial printing and lithographics</li> <li>• Plate making and related services</li> <li>• Commercial printing</li> <li>• Commercial printing not elsewhere classified.</li> </ul>                                                                                                         |
| <b>SWPPP Requirements in addition to Part III</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Site Map</b>                                   | <p>The site map shall identify where any of the following may be exposed to precipitation/surface runoff:</p> <ul style="list-style-type: none"> <li>• Aboveground storage tanks</li> <li>• Drums and barrels permanently stored outside.</li> </ul>                                                                                                                                                                                                                                                                                                                                                         |
| <b>Summary of Potential Pollutant Sources</b>     | <p>The plan shall include a description of the following additional sources and activities that have potential <i>pollutants</i> associated with them, as applicable:</p> <ul style="list-style-type: none"> <li>• Loading and unloading operations</li> <li>• Outdoor storage activities</li> <li>• Significant dust or particulate generating processes</li> <li>• On-site waste disposal practices (e.g., blanket wash).</li> </ul> <p>The <i>pollutant</i> or <i>pollutant</i> parameter associated with each <i>pollutant</i> source shall be identified (e.g., oil and grease, scrap metal, etc.).</p> |
| <b>Employee Training</b>                          | <p>Employee training must, at a minimum, address the following areas when applicable to a facility:</p> <ul style="list-style-type: none"> <li>• Spent solvent management</li> <li>• Spill prevention and control</li> <li>• Used oil management</li> <li>• Fueling procedures</li> <li>• General good housekeeping practices</li> </ul>                                                                                                                                                                                                                                                                     |

| Additional Non-Numeric Effluent Limits |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
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| Good Housekeeping Measures             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Material storage areas                 | <p>All containerized materials (skids, pallets, solvents, bulk inks, and hazardous waste, empty drums, portable/mobile containers of plant debris, wood crates, steel racks, fuel oil, etc) must be clearly labeled and stored in a protected area, away from drains.</p> <p>The SWPPP shall document considerations of the following <i>BMPs</i> (or their equivalents):</p> <ul style="list-style-type: none"> <li>• Describe and provide for implementation of measures that prevent or <i>minimize</i> contamination of <i>stormwater</i> runoff from such storage areas</li> <li>• Provide for containment or enclosure for those materials that are stored outdoors.</li> <li>• Develop an inventory control plan to prevent excessive purchasing of potentially hazardous substances.</li> </ul> |
| Material handling areas                | <p>The SWPPP must describe and include provisions to implement measures that prevent or <i>minimize</i> contamination of the <i>stormwater</i> runoff from materials handling operations and areas (e.g. blanket wash, mixing solvents, loading &amp; unloading materials).</p> <p>The SWPPP shall document considerations of the following <i>BMPs</i> (or their equivalents):</p> <ul style="list-style-type: none"> <li>• Use of spill/overflow protection</li> <li>• Covering fueling areas</li> <li>• Covering and enclosing areas where the transfer of materials may occur.</li> <li>• Replacement or repair of leaking connections, valves, transfer lines and pipes that may carry chemicals, dyes, or wastewater, where applicable.</li> </ul>                                                |
| Fueling areas                          | <p>The SWPPP must describe and include provisions to implement measures that prevent or <i>minimize</i> contamination of the <i>stormwater</i> runoff from fueling areas.</p> <p>The SWPPP shall document considerations of the following <i>BMPs</i> (or their equivalents):</p> <ul style="list-style-type: none"> <li>• Covering the fueling area</li> <li>• Using spill and overflow protection</li> <li>• Minimizing runoff of <i>stormwater</i> to the fueling areas</li> <li>• Using dry cleanup methods</li> <li>• Treating and/or recycling <i>stormwater</i> runoff collected from the fueling area.</li> </ul>                                                                                                                                                                               |

|                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
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| Aboveground storage tank areas | <p>The SWPPP must describe and include provisions to implement measures that prevent or <i>minimize</i> contamination of the <i>stormwater</i> runoff from aboveground storage tank areas, including the associated piping and valves.</p> <p>The SWPPP shall document considerations of the following <i>BMPs</i> (or their equivalents):</p> <ul style="list-style-type: none"> <li>• Regular cleanup of these areas</li> <li>• Preparation of a spill prevention control and countermeasure program</li> <li>• Spill and overflow protection</li> <li>• Minimizing run-on of <i>stormwater</i> from adjacent areas</li> <li>• Restricting access to the area</li> <li>• Insertion of filters in adjacent catch basins</li> <li>• Absorbent booms in unbermed fueling areas</li> <li>• Use of dry cleanup methods</li> <li>• Permanently sealing drains within critical areas that may <i>discharge</i> to a storm drain.</li> </ul> |
| Numeric Effluent Limitations   | No <i>Numeric Effluent Limits</i> specified for this sector.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Benchmarks                     | No <i>Benchmark Monitoring</i> or reporting is required for this sector.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

## Sector Y – Rubber, Plastics & Miscellaneous Manufacturing Industries

|                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|---------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Applicability                                     | The requirements listed under this section apply to <i>stormwater discharges associated with industrial activity</i> from rubber and miscellaneous plastic products manufacturing facilities (SIC Major Group 30) and miscellaneous manufacturing industries, except jewelry, silverware, and plated ware (SIC Major Group 39, except 391).                                                                                                                                                                                                                                                              |
| <b>SWPPP Requirements in addition to Part III</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Site Map                                          | <p>The site map shall identify where any of the following may be exposed to precipitation/surface runoff:</p> <ul style="list-style-type: none"> <li>• Aboveground storage tanks</li> <li>• Drums and barrels permanently stored outside.</li> </ul>                                                                                                                                                                                                                                                                                                                                                     |
| Summary of Potential Pollutant Sources            | The <i>owner or operator</i> shall review the use of zinc at the facility and the possible pathways through which zinc may be <i>discharged</i> in <i>stormwater</i> runoff.                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Plastic Products Manufacturers                    | <p>The SWPPP shall describe and provide for implementation of specific controls to <i>minimize</i> the <i>discharge</i> of plastic resin pellets, powders, flakes, additives, regrind, scrap, waste and recycling in <i>stormwater discharges</i>. The SWPPP shall document considerations of the following <i>BMPs</i> (or their equivalents):</p> <ul style="list-style-type: none"> <li>• Minimizing spills</li> <li>• Cleaning up spills promptly and thoroughly</li> <li>• Sweeping thoroughly</li> <li>• Pellet capturing</li> <li>• Employee education</li> <li>• Disposal precautions</li> </ul> |
| <b>Additional Non-Numeric Effluent Limits</b>     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Rubber Manufacturers                              | <p>The SWPPP shall describe and provide for implementation of specific controls to <i>minimize</i> the <i>discharge</i> of zinc in <i>stormwater discharges</i> from the facility. Some general <i>BMP</i> options to consider include:</p> <ul style="list-style-type: none"> <li>• Using chemicals that are purchased in pre-weighed, sealed polyethylene bags;</li> <li>• Storing materials that are in use in sealable containers</li> </ul>                                                                                                                                                         |

|  |                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <ul style="list-style-type: none"> <li>Ensuring an airspace between the container and the cover to <i>minimize</i> "puffing" losses when the container is opened</li> <li>Using automatic dispensing and weighing equipment.</li> </ul> <p>The SWPPP shall document considerations of the following <i>BMPs</i> (or their equivalents):<br/>for the following possible sources of zinc:</p> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|  | <b>Inadequate housekeeping -</b>                                                                                                                                                                                                                                                                                                                                                            | <p>Evaluate the handling and storage of zinc bags at their facilities and document the consideration for the following <i>BMP</i> options:</p> <ul style="list-style-type: none"> <li>Employee training regarding the handling/storage of zinc bags</li> <li>Indoor storage of zinc bags</li> <li>Cleanup of zinc spills without washing the zinc into the storm drain</li> <li>Use of 2,500-pound sacks of zinc rather than 50- to 100-pound sacks.</li> </ul>                                                                                                                                                           |
|  | <b>Dumpsters</b>                                                                                                                                                                                                                                                                                                                                                                            | <p>The SWPPP shall document considerations relating to the following <i>BMPs</i> to <i>minimize discharges</i> of zinc from dumpsters:</p> <ul style="list-style-type: none"> <li>Provide a cover for the dumpster</li> <li>Move the dumpster to an indoor location</li> <li>Provide a lining for the dumpster*.</li> </ul> <p>* If a liner is used in an uncovered dumpster, the SWPPP must describe the measures implemented to either prevent the <i>discharge</i> of contaminated <i>stormwater</i> from the containers, or the containers should be subject to screening and monitoring required in Part IV.F.1.</p> |
|  | <b>Malfunctioning dust collectors or baghouses</b>                                                                                                                                                                                                                                                                                                                                          | Evaluate dust collectors/baghouses as possible sources in zinc in <i>stormwater</i> runoff. Improperly operating dust collectors/baghouses shall be replaced or repaired as appropriate.                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|  | <b>Grinding operations</b>                                                                                                                                                                                                                                                                                                                                                                  | Evaluate dust generation from rubber grinding operations at their facility and, as appropriate, install a dust collection system.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|  | <b>Zinc stearate coating operations</b>                                                                                                                                                                                                                                                                                                                                                     | Appropriate measures to prevent or clean up drips /spills of zinc stearate slurry that may be released to the storm drain. Alternate compounds to zinc stearate shall also be considered.                                                                                                                                                                                                                                                                                                                                                                                                                                 |

|                                    |                                                                                                                                                                                        |                                                          |
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| <b>Numeric<br/>Effluent Limits</b> | No Numeric Effluent Limits specified for this sector.                                                                                                                                  |                                                          |
| <b>Benchmarks</b>                  | Rubber product manufacturing facilities are required to monitor their <i>stormwater discharges</i> for the <i>pollutants</i> of concern listed in Table VII-Y-1.                       |                                                          |
|                                    | <b>Sector VII-Y-1<br/>Benchmark Monitoring Requirement</b>                                                                                                                             |                                                          |
|                                    | <b><i>Pollutants of Concern</i></b>                                                                                                                                                    | <b><i>Benchmark Monitoring Cut-off Concentration</i></b> |
|                                    | <b>Tires and Inner Tubes; Rubber Footwear; Gaskets, Packing and Sealing Devices; Rubber Hose and Belting; and Fabricated Rubber Products Not Elsewhere Classified (SIC 3011-3069).</b> |                                                          |
|                                    | Total Recoverable Zinc                                                                                                                                                                 | 110 ug/L                                                 |

## Sector Z – Leather Tanning and Finishing

|                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|---------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Applicability</b>                              | <p>The requirements listed under this section apply to <i>stormwater discharges associated with industrial activity</i> from leather tanning, currying and finishing (commonly identified by SIC Code 3111).</p>                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>SWPPP Requirements in addition to Part III</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Site Map</b>                                   | <p>The site map shall identify where any of the following may be exposed to precipitation/surface runoff:</p> <ul style="list-style-type: none"> <li>• Processing and storage areas of the beamhouse, tanyard, retan-wet finishing and dry finishing operation</li> <li>• Haul roads</li> <li>• Access roads</li> <li>• Rail spurs.</li> </ul>                                                                                                                                                                                                                                                                           |
| <b>Summary of Potential Pollutant Sources</b>     | <p>A description of potential <i>pollutant</i> sources including (as appropriate):</p> <ul style="list-style-type: none"> <li>• Temporary or permanent storage of fresh and brine cured hides</li> <li>• Chemical drums, bags, containers and aboveground tanks</li> <li>• Leather dust, scraps, trimmings and shavings</li> <li>• Spent solvents</li> <li>• Extraneous hide substances and hair</li> <li>• Empty chemical containers and bags</li> <li>• Floor sweepings/washings</li> <li>• Refuse and waste piles and sludge</li> <li>• Significant dust/particulate generating processes (e.g., buffing).</li> </ul> |

| Additional Non-Numeric Effluent Limits |                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|----------------------------------------|------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Good Housekeeping Measures             | <b>Storage for Raw, Semi-Processed or Finished Tannery By-Products</b> | <p>Pallets/bales of raw, semi processed or finished tannery by-products (e.g., splits, trimmings, shavings, etc.) shall be stored indoors or protected by polyethylene wrapping, tarpaulins, roofed storage area or other suitable means.</p> <p>Materials shall be placed on an impermeable surface, the area should be enclosed or bermed or other equivalent measures should be employed to prevent runoff of <i>stormwater</i></p>                                                                                                                                                                   |
|                                        | <b>Material Storage Areas</b>                                          | <p>Label storage units of all materials (e.g., specific chemicals, hazardous materials, spent solvents, waste materials).</p> <p>Describe and implement measures that prevent or <i>minimize</i> contact with <i>stormwater</i>.</p>                                                                                                                                                                                                                                                                                                                                                                     |
|                                        | <b>Buffing &amp; Shaving Areas</b>                                     | <p>The SWPPP shall describe and provide for implementation of measures that prevent or <i>minimize</i> contamination of the <i>stormwater</i> runoff with leather dust from buffing/shaving areas. The SWPPP shall document considerations for dust collection enclosures, preventive inspection/maintenance programs or other appropriate preventive measures.</p>                                                                                                                                                                                                                                      |
|                                        | <b>Receiving, Unloading &amp; Storage Areas</b>                        | <p>The SWPPP shall describe and provide for implementation of measures that prevent or <i>minimize</i> contamination of the <i>stormwater</i> runoff from receiving, unloading, and storage areas. The SWPPP shall document considerations of the following <i>BMPs</i> (or their equivalents) for exposed receiving, unloading and storage areas:</p> <ul style="list-style-type: none"> <li>• Hides and chemical supplies protected by a suitable cover</li> <li>• Diversion of drainage to the process sewer</li> <li>• Grade berming/curbing area to prevent runoff of <i>stormwater</i>.</li> </ul> |
|                                        | <b>Outdoor Storage of Contaminated Equipment</b>                       | <p>The SWPPP shall describe and provide for implementation of measures that prevent or <i>minimize</i> contact of <i>stormwater</i> with contaminated equipment. The SWPPP shall document considerations of the following <i>BMPs</i> (or their equivalents) :</p> <ul style="list-style-type: none"> <li>• Equipment protected by suitable cover</li> <li>• Diversion of drainage to the process sewer</li> <li>• Thorough cleaning prior to storage.</li> </ul>                                                                                                                                        |

|                                        |                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                        |                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Good Housekeeping Measures (Continued) | Waste Management                                                                                                                                                  | <p>Describe and implement measures that prevent or <i>minimize</i> contamination of the <i>stormwater</i> runoff from waste storage areas. The SWPPP shall document considerations of the following <i>BMPs</i> (or their equivalents) :</p> <ul style="list-style-type: none"> <li>• Inspection/maintenance programs for leaking containers or spills</li> <li>• Cover dumpsters</li> <li>• Move waste management activities indoors</li> <li>• Cover waste piles with temporary covering material such as tarpaulins or polyethylene</li> <li>• <i>Minimize stormwater</i> runoff by enclosing the area or building berms around the area.</li> </ul> |
| Numeric Effluent Limits                | No Numeric Effluent Limits specified for this sector.                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Benchmarks                             | Leather tanning and finishing facilities are required to monitor their <i>stormwater discharges</i> for the <i>pollutants</i> of concern listed in Table VII-Z-1. |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|                                        | <b>Sector VII-Z-1</b><br><b>Benchmark Monitoring Requirement</b>                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|                                        | <b>Pollutants of Concern</b>                                                                                                                                      | <b>Benchmark Monitoring Cut-off Concentration</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|                                        | <b>Leather Tanning and Finishing (SIC 3111)</b>                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|                                        | Total Nitrogen (TN)*                                                                                                                                              | 6 mg/L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|                                        | Total Recoverable Chromium                                                                                                                                        | 1.8 mg/L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                                        | * Total Nitrogen is calculated as the sum of ammonia, nitrate-nitrite and organic nitrogen                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

## Sector AA - Fabricated Metal Products

|                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|---------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Applicability                                     | The requirements listed under this section apply to <i>stormwater discharges associated with industrial activity</i> from the fabricated metals industry (except for electrical related industries); fabricated metal products (except machinery and transportation equipment); and jewelry, silverware, and plated ware                                                                                                                                                                                                                                                                                                                                   |
| <b>SWPPP Requirements in addition to Part III</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Site Map                                          | <p>The site map shall identify where any of the following may be exposed to precipitation/surface runoff:</p> <ul style="list-style-type: none"> <li>• Raw metal storage areas</li> <li>• Finished metal storage areas</li> <li>• Scrap disposal collection sites</li> <li>• Equipment storage areas</li> <li>• Retention and detention basins</li> <li>• Temporary/permanent diversion dikes or berms</li> <li>• Right of way or perimeter diversion devices</li> <li>• Sediment traps/barriers</li> <li>• Processing areas including outside painting areas</li> <li>• Wood preparation</li> <li>• Recycling</li> <li>• Raw material storage.</li> </ul> |
| Summary of Potential Pollutant Sources            | <p>A description of the potential <i>pollutant</i> sources from the following activities:</p> <ul style="list-style-type: none"> <li>• Loading and unloading operations for paints, chemicals and raw materials</li> <li>• Outdoor storage activities for raw materials, paints, empty containers, corn cob, chemicals, scrap metals</li> <li>• Outdoor manufacturing or processing activities such as grinding, cutting, degreasing, buffing, brazing, etc.</li> <li>• On site waste disposal practices for spent solvents, sludge, pickling baths, shavings, ingots pieces, refuse and waste piles.</li> </ul>                                           |
| <b>Additional Non-Numeric Effluent Limits</b>     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| General                                           | All fabricated metal products facilities should implement <i>BMPs</i> in the following areas of the site:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |

|                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|-----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                             | <ul style="list-style-type: none"> <li>• Metal fabricating areas <ul style="list-style-type: none"> <li>• Storage areas for raw metal</li> <li>• Receiving, unloading, and loading areas</li> <li>• Heavy equipment storage</li> <li>• Metal working fluid areas</li> <li>• Unprotected liquid storage tanks</li> <li>• Chemical cleaners and rinse water</li> <li>• Raw steel collection areas</li> <li>• Paints and painting equipment</li> <li>• Vehicle and equipment maintenance areas</li> <li>• Hazardous waste storage areas</li> <li>• Transporting chemicals to storage areas</li> <li>• Finished products (galvanized)</li> <li>• Wooden pallets and empty drums</li> </ul> </li> </ul> |
| Good Housekeeping Measures  | <p><i>Minimize</i> exposure of potential <i>pollutant</i> sources to precipitation. Prevent <i>pollutants</i>, including debris, from coming into contact with precipitation.</p> <p>Examples of <i>BMPs</i> for exposure minimization include, but are not limited to:</p> <ul style="list-style-type: none"> <li>• Covering materials or activities with temporary structures (e.g., tarps) when wet weather is expected</li> <li>• Moving materials or activities to existing or new permanent structures (e.g., buildings, silos, sheds).</li> <li>• Keeping a dumpster lid closed</li> </ul>                                                                                                  |
| Erosion & Sediment Controls | <p>An Erosion and Sediment Control plan addressing the storm water run-on and run-off control systems in all areas of the facility must be developed by a qualified person and implemented by the <i>owner or operator</i>.</p> <p>The plan must be prepared in accordance with the most current version of the New York Standards and Specifications for Erosion and Sediment.. Consider using sediment traps, vegetated swales and strips, catch basin filters and sand filters to facilitate settling or filtering of sediments. Consider using green infrastructure practices such as vegetated swales and constructed wetlands to reduce export of metals in <i>stormwater</i>.</p>           |
| <b>Area Specific BMPs</b>   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Metal Fabricating Areas     | <p>The SWPPP shall describe and provide for implementation of measures for maintaining clean, dry, orderly conditions. The SWPPP shall document considerations of the following <i>BMPs</i> (or their equivalent):</p> <ul style="list-style-type: none"> <li>• Use of dry clean up techniques shall be considered in the plan</li> <li>• Sweep fabrication areas frequently to avoid heavy accumulation of steel ingots, fines, and scrap.</li> </ul>                                                                                                                                                                                                                                             |

|                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|-----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                     | <ul style="list-style-type: none"> <li>• Absorb dust through a vacuum system to avoid accumulation on roof tops and onto the ground.</li> <li>• Sweep all accessible paved areas on a regular basis.</li> <li>• Maintain floors in a clean and dry condition using dry cleanup techniques.</li> <li>• Remove waste and dispose of regularly</li> <li>• Train employees on good housekeeping measures</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Storage Areas for Raw Materials</b>              | <p>The SWPPP shall describe and provide for implementation of measures to keep these areas free of conditions that could cause spills or leakage of materials. The SWPPP shall document considerations of the following <i>BMPs</i> (or their equivalents) :</p> <ul style="list-style-type: none"> <li>• Store materials in a covered area whenever possible</li> <li>• Organize storage areas so there is easy access in case of a spill.</li> <li>• Label stored materials to aid in identifying spill contents</li> <li>• <i>Minimize</i> the amount of material stored to avoid corrosive activity from long-term exposed materials</li> <li>• Dike or berm the area to prevent or <i>minimize</i> run-on.</li> <li>• Keep area neat and orderly; stack neatly on pallets or off the ground.</li> <li>• Cover exposed materials.</li> <li>• Describe &amp; implement measures controlling or recovering scrap metals, fines, and iron dust including measures for containing materials within storage handling areas</li> </ul> |
| <b>Lubricating &amp; Hydraulic Fluid Operations</b> | <p>The SWPPP shall document consideration of using devices or monitoring equipment or other devices to detect and control leaks /overflows. Consider the installation of perimeter controls such as dikes, curbs, grass filter strips, or other equivalent measures.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Chemical Storage Areas</b>                       | <p>The SWPPP shall describe and provide for implementation of proper storage methods that prevent <i>stormwater</i> contamination and accidental spillage. The SWPPP shall document considerations of the following <i>BMPs</i> (or their equivalents):</p> <ul style="list-style-type: none"> <li>• The plan should include a program to inspect containers, and identify proper disposal methods.</li> <li>• Store drums as close to operational building as possible.</li> <li>• Label all drums with proper warning and handling instructions.</li> <li>• Train forklift operators to avoid puncturing drums.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                         |

|                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|-----------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p style="text-align: center;"><b>Receiving Unloading &amp; Storage Areas</b></p> | <p>The SWPPP shall describe and provide for implementation of measures to prevent spills and leaks; plan for quick remedial clean up and instruct employees on clean up techniques and procedures. The SWPPP shall document considerations of the following <i>BMPs</i> (or their equivalents):</p> <ul style="list-style-type: none"> <li>• Confine loading/unloading activities to designated areas outside drainage pathways and away from surface waters.</li> <li>• Close storm drains during loading/unloading activities in surrounding areas.</li> <li>• Use a dead-end sump where materials could be directed.</li> <li>• Inspect containers for leaks or damage prior to loading/unloading.</li> <li>• Avoid loading/unloading materials in the rain or provide cover or other protection for loading docks.</li> <li>• Provide diversion berms, dikes or grassed swales around the perimeter of the area to limit run-on.</li> <li>• Cover loading and unloading areas and perform these activities on an impervious pad to enable easy collection of spilled materials.</li> <li>• Slope the impervious concrete floor or pad to collect spills and leaks and convey them to proper containment and treatment.</li> <li>• Provide overhangs or door skirts to enclose trailer ends at truck loading/unloading docks For rail transfer, a drip pan shall be installed within the rails to collect spillage from the tank.</li> <li>• For rail transfer, a drip pan shall be installed within the rails to collect spillage from the tank</li> <li>• Where liquid or powdered materials are transferred in bulk to/from truck or rail cars, ensure hose connection points at storage containers are inside containment areas, or drip pans are used in areas where spillage may occur which are not in a containment area.</li> <li>• Enclose material handling systems.</li> <li>• Cover materials entering and leaving areas.</li> <li>• Use dry cleanup methods instead of washing the areas down.</li> <li>• Regularly sweep area to <i>minimize</i> debris on the ground.</li> <li>• Provide dust control if necessary. When controlling dust, sweep and/or apply water or materials that will not impact surface or ground water.</li> <li>• Develop and implement spill prevention, containment, and countermeasure (SPCC) plans.</li> <li>• Train employees in spill prevention, control, cleanup, and proper materials management techniques</li> </ul> |
| <p style="text-align: center;"><b>Storage of Equipment</b></p>                    | <p>The SWPPP shall describe and provide for implementation of measures for preparing equipment for storage and the proper method to store equipment. The SWPPP shall document considerations of the following <i>BMPs</i> (or their equivalents):</p> <ul style="list-style-type: none"> <li>• Store Paint and painting equipment to <i>minimize</i> exposure to <i>stormwater</i>.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

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|-----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                   | <ul style="list-style-type: none"> <li>• Vehicles should be stored indoors when possible.</li> <li>• If stored outdoors, use gravel, concrete, or other stabilized surfaces to <i>minimize</i> or prevent heavy equipment from creating ditches or other conveyances that would cause sedimentation runoff and increase TSS loadings.</li> <li>• Provide covering for outdoor storage areas.</li> <li>• Divert drainage to the grass swales, filter strips, retention ponds, or holding tanks.</li> <li>• Direct drainage systems away from high traffic areas into collection systems.</li> <li>• Clean equipment prior to storage</li> </ul>                                                                                                                                                                                                                                                        |
| Metal Working Fluid Storage Areas | <p>The SWPPP shall describe and provide for implementation of measures for storage of metal working fluids. The SWPPP shall document considerations of the following <i>BMPs</i> (or their equivalents):</p> <ul style="list-style-type: none"> <li>• Use pumps, spigots, and funnels when transferring metal working fluid to reduce the amount of lost fluid and the risk of spilling fluids.</li> <li>• Fix leaking seals and gaskets to prevent leaks.</li> <li>• Store used metal working fluid with fine metal dust indoors.</li> <li>• Use tight sealing lids on all fluid containers.</li> <li>• Use straw, clay absorbents, sawdust, or synthetic absorbents to confine or contain any spills.</li> <li>• Establish recycling programs for used fluids when possible.</li> <li>• Conduct daily inspections of each machine to identify problems and trends and reduce fluid waste</li> </ul> |
| Cleaners & rinse Water            | <p>The SWPPP shall describe and provide for implementation of measures to control/cleanup spills of solvents and other liquid cleaners. The SWPPP shall document considerations of the following <i>BMPs</i> (or their equivalents):</p> <ul style="list-style-type: none"> <li>• Control sand buildup and disbursement from sand-blasting operations;</li> <li>• Prevent exposure of recyclable wastes.</li> <li>• Substitute environmentally benign cleaners when possible.</li> <li>• Use drip pans and other spill devices to collect spills or solvents and other liquid cleaners</li> <li>• Recycle wastewater.</li> <li>• Store recyclable waste indoors or in covered containers.</li> <li>• Substitute nontoxic cleaning agents when possible.</li> </ul>                                                                                                                                    |
| Inspections                       | <p>In addition to Inspections required in Part IV. Metal fabricators shall at a minimum include the following areas for inspection:</p> <ul style="list-style-type: none"> <li>• Raw metal storage areas</li> <li>• Finished product storage areas</li> <li>• Material and chemical storage areas</li> <li>• Recycling areas</li> <li>• Loading and unloading areas</li> <li>• Equipment storage areas</li> <li>• Paint areas</li> <li>• Vehicle fueling and maintenance areas.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                            |
| Employee Training                 | <p>In addition to training provided per Part II.A.8<br/>At minimum, personnel must be trained to:</p> <ul style="list-style-type: none"> <li>• Control <i>pollutants</i> at the source</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

|                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                   |
|-------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|
|                               | <ul style="list-style-type: none"> <li>• Recognize unpermitted <i>discharges</i>.</li> <li>• Recognize a <i>reportable</i> spill</li> <li>• Implementation of spill containment and notification</li> <li>• Use dry clean up methods</li> <li>• Maintain an organized work environment to allow immediate access to spills</li> <li>• Properly store and label equipment and solvents and other materials</li> </ul>                                                                                                     |                                                   |
| Comprehensive Site Inspection | <p>In addition to the requirements contained in Part IV.A, the site compliance evaluation shall also include inspections of:</p> <ul style="list-style-type: none"> <li>• Areas associated with the storage of raw metals</li> <li>• Storage of spent solvents and chemicals</li> <li>• Outdoor paint areas</li> <li>• Roof drainage.</li> </ul> <p>Potential <i>pollutants</i> include chromium, zinc, lubricating oil, solvents, aluminum, oil and grease, methyl ethyl ketone, steel and other related materials.</p> |                                                   |
| Numeric Effluent Limit        | No Numeric Effluent Limits specified for this sector.                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                   |
| Benchmarks                    | Metal fabricating facilities are required to monitor their <i>stormwater discharges</i> for the <i>pollutants</i> of concern listed in Table VII AA 1.                                                                                                                                                                                                                                                                                                                                                                   |                                                   |
|                               | <b>Sector VII-AA-1</b><br><b>Benchmark Monitoring Requirement</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                   |
|                               | <b>Pollutants of Concern</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <b>Benchmark Monitoring Cut-off Concentration</b> |
|                               | <b>Fabricated Metal Products Except Coating (SIC 3411 3471, 3482 3499, 3911 3915)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                   |
|                               | Total Nitrogen (TN)*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 6 mg/L                                            |
|                               | Total Recoverable Aluminum                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 750 ug/L                                          |
|                               | Total Recoverable Iron                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 1 mg/L                                            |
|                               | Total Recoverable Zinc                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 110 ug/L                                          |
|                               | <b>Fabricated Metal Coating &amp; Engraving (SIC 3479)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                   |
|                               | Total Nitrogen (TN)*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 6 mg/L                                            |
|                               | Total Recoverable Zinc                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 110 ug/L                                          |
|                               | * Total Nitrogen is calculated as the sum of ammonia, nitrate-nitrite and organic nitrogen                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                   |

## Sector AB – Transportation Equipment, Industrial & Commercial Machinery

|                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|---------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Applicability</b>                              | The requirements listed under this section apply to <i>stormwater discharges associated with industrial activity</i> from transportation equipment, industrial or commercial machinery manufacturing facilities (commonly described by SIC Major Group 35 (except SIC Code 357 - computer and office equipment covered by Sector AC), and SIC Major Group 37 (except SIC Code 373 - ship and boat building and repair cover by Sector R)). |
| <b>Prohibitions - Non - Stormwater</b>            | Facilities that <i>discharge</i> wastewater, other than solely domestic wastewater, to the sanitary sewer system, must notify the <i>owner or operator</i> of the sanitary sewer and associated treatment works of its <i>discharge</i> . In such cases, a copy of a notification letter must be attached to the SWPPP .                                                                                                                   |
| <b>SWPPP Requirements in addition to Part III</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Site Map</b>                                   | <p>The site map shall identify where any of the following may be exposed to precipitation/surface runoff:</p> <ul style="list-style-type: none"> <li>Vents and stacks from metal processing and similar operations.</li> </ul>                                                                                                                                                                                                             |
| <b>Numeric Effluent Limits</b>                    | No Numeric Effluent Limits specified for this sector.                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Benchmarks</b>                                 | No <i>Benchmark Monitoring</i> or reporting is required for this sector.                                                                                                                                                                                                                                                                                                                                                                   |

## Sector AC – Electronic, Electrical Equipment & Components, Photographic & Optical Goods

|                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                            |
|----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|
| Applicability                          | The requirements listed under this section apply to <i>stormwater discharges associated with industrial activity</i> from facilities that manufacture: <ul style="list-style-type: none"><li>Electronic and other electrical equipment and components, except computer equipment (SIC Major Group 36)</li><li>Measuring, analyzing, and controlling instruments</li><li>Photographic, medical and optical goods</li><li>Watches and clocks (SIC Major Group 38)</li><li>Computer and office equipment (SIC Code 357).</li></ul> |                                            |
| Additional Non-Numeric Effluent Limits |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                            |
| Discharges to Copper Impaired Waters   | If the facility discharges to a Copper Impaired waterbody, the owner or operator shall prevent the exposure of copper sources and copper containing materials or processes to <i>stormwater</i> . These materials shall be protected by a storm-resistant shelter to prevent exposure to rain, snow, snowmelt, and/or runoff.                                                                                                                                                                                                   |                                            |
| Numeric Effluent Limits                | No Numeric Effluent Limits specified for this sector.                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                            |
| Benchmarks                             | Facilities under this sector are required to monitor their <i>stormwater discharges</i> for the <i>pollutants</i> of concern listed in Table VII-AC-1.                                                                                                                                                                                                                                                                                                                                                                          |                                            |
|                                        | Sector VII-AC-1<br>Benchmark Monitoring Requirement                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                            |
|                                        | Pollutants of Concern                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Benchmark Monitoring Cut-off Concentration |
|                                        | Electronic and Other Electrical Equipment and Components, Except Computer Equipment (SIC Major Group 36); Measuring, Analyzing, and Controlling Instruments; Photographic, Medical and Optical Goods; Watches and Clocks (SIC Major Group 38) and Computer and Office Equipment (SIC Code 357)                                                                                                                                                                                                                                  |                                            |
|                                        | Total Suspended Solids (TSS)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 100 mg/L                                   |
|                                        | Total Recoverable Copper                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 12 ug/L                                    |
|                                        | Total Recoverable Lead                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 69 ug/L                                    |

## Appendix A – Definitions and Acronyms

### Acronyms

ACR – Annual Certification Report  
BOD5 – Biochemical Oxygen Demand (5-day test)  
BMP – Best Management Practice  
BAT – Best Available Technology Economically Achievable  
BPT - Best Practicable Technology  
CBS - Chemical Bulk Storage  
CFR – Code of Federal Regulations  
COD – Chemical Oxygen Demand  
CWA – Clean Water Act (or the Federal Water Pollution Control Act, 33 U.S.C. §1251 et seq)  
DMR – Discharge Monitoring Report  
ECL - Environmental Conservation Law  
ELG – Effluent Limitations Guidelines  
EPA – U. S. Environmental Protection Agency  
EPCRA – Emergency Planning and Community Right-to-know Act  
MDL - Method Detection Limit  
MGD – Million Gallons per Day  
MS4 – Municipal Separate Storm Sewer System  
MSGP – Multi-Sector General Permit  
NOI – Notice of Intent  
NOT – Notice of Termination  
NPDES – National Pollutant Discharge Elimination System  
NRC – National Response Center  
NTU – Nephelometric Turbidity Unit  
PBS - Petroleum Bulk Storage  
PQL - Practical Quantitation Limit  
RCRA – Resource Conservation and Recovery Act  
RQ – Reportable Quantity  
SIC – Standard Industrial Classification  
SPCC – Spill Prevention, Control, and Countermeasure  
SWPPP – Stormwater Pollution Prevention Plan  
TMDL – Total Maximum Daily Load  
TSS – Total Suspended Solids  
USGS – United States Geological Survey

## Definitions

*Note: Additional definitions are provided within the Part VII industrial sectors for definitions that are specific for those industries.*

**Annual Certification Report (ACR)** - is the primary mechanism for reporting to the *Department*. Every facility covered by this general permit must complete and submit an ACR form in accordance with the submission deadlines in Part VI.B -Table VI.1.

**Alternative General Permit** - is a general permit different from the MSGP that covers some or all of the authorized discharges.

**Best Management Practices (BMPs)** - means schedules of activities, prohibitions of practices, maintenance procedures, and other management practices to prevent or reduce the pollution of waters of the *State*. *BMPs* also include treatment requirements (if determined necessary by the *owner or operator*), operating procedures, and practices to control plant site runoff, spillage and leaks, sludge or waste disposal, or drainage from raw material storage.

**Benchmark Monitoring** – means sampling and analyses of *stormwater discharges* for parameters specified in Part VII for specific sectors.

**Benchmark Monitoring Cut-off Concentrations** – means *pollutant* levels that are intended to provide a guideline for the *owner or operator* to determine the overall effectiveness of the SWPPP in controlling the *discharge* of *pollutants* to receiving waters. The *benchmark* concentrations do not constitute direct *effluent limitations*. Therefore, a *benchmark* exceedance is not a permit violation in and of itself. It does, however, signal the need for the *owner or operator* to evaluate potential sources of *stormwater* contaminants at the facility.

**Best Practicable Control Technology Currently Available (BPT)** – means the first level of technology-based standards established by the CWA to control *pollutants discharged* to waters of the U.S. BPT effluent limitations guidelines are generally based on the average of the best existing performance by plants within an industrial category or subcategory.

**Co-located Industrial Activities** - occurs when a facility has industrial activities included in more than one industrial sector. *Stormwater discharges* from co-located activities must comply with requirements for all relevant sectors.

**Commence (Commencement of) Construction Activities** - means the initial disturbance of soils associated with clearing, grading or excavation activities; or other construction related activities that disturb or expose soils such as demolition, stockpiling of fill material, and the initial installation of erosion and sediment control practices required in the SWPPP. See definition for “*Construction Activity(ies)*” also.

**Construction Activity(ies)** - means any clearing, grading, excavation, filling, demolition or stockpiling activities that result in soil disturbance. Clearing activities can include, but are not limited to, logging equipment operation, the cutting and skidding of trees, stump removal and/or brush root removal. Construction activity does not include routine maintenance that is performed to maintain the original line and grade, hydraulic capacity, or original purpose of a facility.

**Construction SWPPP** – as defined per the NYSDEC SPDES General Permit for *Stormwater* Discharges from Construction Activity, GP-0-15-002.

**Control Measure** - refers to any BMP *stormwater* control or other method (including *non-numeric effluent limitations*) used to prevent or reduce the *discharge* of *pollutants* to *waters of the United States*.

**Corrective Action** - any action taken, or required to be taken, to (1) repair, modify, or replace any control measure used at the site; (2) clean up and dispose of spills, releases, or other deposits found on the site; and (3) remedy a permit violation.

**Department** - means the New York State *Department* of Environmental Conservation as well as meaning the *Department's* designated agent.

**Discharge(s)** - means any addition of any *pollutant* to *waters of the State* through an outlet or *point source*.

**Discharge Monitoring Report (DMR)** - means a report submitted by the *owner or operator* to the *Department* summarizing the effluent monitoring results obtained by the *owner or operator* over periods of time as specified in the *SPDES* permit.

**Environmental Conservation Law (ECL)** - means chapter 43-B of the Consolidated Laws of the State of New York, entitled the *Environmental Conservation Law*.

**Effluent Limitation** - means any restriction on quantities, quality, rates and concentrations of chemical, physical, biological, and other constituents of effluents that are *discharged* into waters of the *State*.

**Effluent Limitation Guideline (ELG)** - means toxic or pretreatment *effluent limitations* contained in 40 CFR Parts 405 to 471 (see 6 NYCRR 750-1.24 of this Part).

**General SPDES permit** - means a *SPDES* permit issued pursuant to 6 NYCRR Part 750-1.21 authorizing a category of *discharges*.

**Final Stabilization** - means that all soil disturbance activities have ceased and a uniform, perennial vegetative cover with a density of eighty (80) percent over the entire pervious surface has been established; or other equivalent stabilization measures, such as permanent landscape mulches, rock rip-rap or washed/crushed stone have been

applied on all disturbed areas that are not covered by permanent structures, concrete or pavement.

**Groundwater** - means waters in the saturated zone. The saturated zone is a subsurface zone in which all the interstices are filled with water under pressure greater than that of the atmosphere. Although the zone may contain gas-filled interstices or interstices filled with fluids other than water, it is still considered saturated.

**High Volume Hydraulic Fracturing** – means the stimulation of a well using 300,000 gallons or more of water as the primary carrier fluid or base fluid in the hydraulic fracturing fluid for well completion.

**Hotspot** – Area where land use or activities generate highly contaminated runoff, with concentrations of *pollutants* in excess of those typically found in stormwater.

**Impaired Water (or “Impaired Waterbody” or “Impaired Waterbodies”)** - A water is impaired if it is determined that it does not meet applicable water quality standards, which are adopted for each water class to protect the best uses designated for that class. Impaired waters are those waters 1) identified on the 2016 New York State Section 303(d) List of *Impaired/TMDL* Waters, or 2) designated as an Integrated Reporting Category (IRC) 4a or 4b waters. An IRC 4a water is an impaired water for which a TMDL to address the impairing *pollutant*/cause has been established. An IRC 4b water is an impaired water where a TMDL is not necessary because other required control measures are expected to result in restoration in a reasonable period of time.

**Impervious Area (Cover)** - means all impermeable surfaces that cannot effectively infiltrate rainfall. This includes paved, concrete and gravel surfaces (i.e. parking lots, driveways, roads, runways and sidewalks); building rooftops and miscellaneous impermeable structures such as patios, pools, and sheds

**Individual SPDES Permit** - means a *SPDES* "permit" issued to a single facility in one location in accordance with this Part (as distinguished from a general *SPDES* permit).

**Industrial Activity** - the 11 categories of industrial activities included in the definition of "*stormwater discharges associated with industrial activity*."

**Industrial Waste** - means any liquid, gaseous, solid or waste substance, or a combination thereof, resulting from any process of industry, manufacturing, trade, or business or from the development or recovery of any natural resources, that may cause or might reasonably be expected to cause pollution of the waters of the State in contravention of the standards adopted pursuant to the Environmental Conservation Law, article 17.

**Measurable Storm Event** - a storm event with at least 0.1 inch of precipitation that produces runoff.

**Method Detection Limit** - means the level at which the analytical procedure referenced is capable of determining with a 99 percent probability that the substance is present. The precision at this level is plus or minus 100 percent.

**Minimize** – means reduce and/or eliminate to the extent achievable using *control measures* (including *BMPs*) that are technologically available and economically practicable and achievable in the light of best industry practice.

**Municipality** - means any county, town, city, village, district corporation, special improvement district, sewer authority or agency thereof.

**Municipal Separate Storm Sewer System (MS4)**- a conveyance or system of conveyances (including roads with drainage systems, municipal streets, catch basins, curbs, gutters, ditches, man-made channels, or storm drains):

1. Owned or operated by a *State*, city, town, borough, county, parish, district, association, or other public body (created by or pursuant to *State* law) having jurisdiction over disposal of sewage, *industrial wastes*, *stormwater*, or other wastes, including special districts under *State* law such as a sewer district, flood control district or drainage district, or similar entity, or an Indian tribe or an authorized Indian tribal organization, or a designated and approved management agency under section 208 of the CWA that *discharges* to *waters of the United States*;
2. Designed or used for collecting or conveying *stormwater*;
3. Which is not a combined sewer; and
4. Which is not part of a Publicly Owned Treatment Works (POTW) as defined at 40 CFR 122.2.

**National Pollutant Discharge Elimination System (NPDES)** - means the national system for the issuance of wastewater and *stormwater* permits under the Federal Water Pollution Control Act (Clean Water Act).

**No exposure** - all industrial materials or activities are protected by a storm-resistant shelter to prevent exposure to rain, snow, snowmelt, and/or runoff.

**Other wastes** - means garbage, refuse, decayed wood, sawdust, shavings, bark, sand, lime, cinders, ashes, offal, oil, tar, dyestuffs, acids, chemicals, leachate, sludge, salt and all other discarded matter not sewage or industrial waste that may cause or might reasonably be expected to cause pollution of the waters of the State in contravention of the standards adopted pursuant to the Environmental Conservation Law, article 17.

**Outfall** - means the terminus of a sewer system, or the point of emergence of any waterborne sewage, *industrial waste* or other wastes or the effluent therefrom, into the waters of the *State*.

**Owner or Operator** - means the *owner or operator* of any facility or activity subject to regulation under 6 NYCRR Part 750. In accordance with 6 NYCRR Part 750-1.6(a), when a facility or activity is owned by one person but is operated by another person, it is the operator's duty to obtain a permit

**Person or Persons** - means any individual, public or private corporation, political subdivision, government agency, *municipality*, partnership, association, firm, trust, estate or any other legal entity whatsoever.

**Point Source** - means any discernible, confined and discrete conveyance, including but not limited to any pipe, ditch, channel, tunnel, conduit, well, discrete fissure, container, rolling stock, concentrated animal feeding operation, vessel or other floating craft, or landfill leachate collection system from which *pollutants* are or may be *discharged*.

**Pollutant(s)** - means dredged spoil, filter backwash, solid waste, incinerator residue, sewage, garbage, sewage sludge, munitions, chemical wastes, biological materials, radioactive materials, heat, wrecked or discarded equipment, rock, sand and industrial, municipal, agricultural waste and ballast *discharged* into water; which may cause or might reasonably be expected to cause pollution of the *waters of the State* in contravention of the standards or guidance values adopted as provided in Parts 700 et seq of this Title.

**Primary Industrial Activity** - The operation that generates the most revenue or employs the most personnel is the operation in which the facility is primarily engaged. In situations where the vast majority of on-site activity falls within one SIC code, that activity may be the *primary industrial activity*. The primary industrial determination is based on the value of receipts or revenues or, if such information is not available for a particular facility, the number of employees or production rate for each process may be compared.

**Qualified Person** - A qualified person may be either a facility employee or hired consultant who is familiar with the day-to-day operations associated with their assigned responsibilities at the facility. The qualified person possesses the knowledge and skills to assess conditions, operations and activities at the facility that could impact stormwater quality and can evaluate the effectiveness of control measures being implemented as part of the requirements of the permit. The owner/operator may designate more than one individual as the qualified person.

If the control measures include Erosion and Sediment controls, then the person selected to inspect the erosion & sediment controls must be knowledgeable in the principles and practices of erosion and sediment control and must receive four (4) hours of Department endorsed training in proper erosion and sediment control principles from

a Soil and Water Conservation District, or other Department endorsed entity. After receiving the initial training, the qualified person shall receive four (4) hours of training, every three (3) years.

Note: Inspections of any post-construction *stormwater* management practices that include structural components, such as a dam for an impoundment, shall be performed by a Qualified Professional.

**Qualified Professional** - means a person that is knowledgeable in the principles and practices of *stormwater* management and treatment, such as a licensed Professional Engineer, Registered Landscape Architect or other *Department* endorsed individual(s). Individuals preparing SWPPPs that require the post-construction *stormwater* management practice component must have an understanding of the principles of hydrology, water quality management practice design, water quantity control design, and, in many cases, the principles of hydraulics in order to prepare a SWPPP that conforms to the *Department's* technical standard. All components of the SWPPP that involve the practice of engineering, as defined by the NYS Education Law (see Article 145), shall be prepared by, or under the direct supervision of, a professional engineer licensed to practice in the State of New York.

**Qualifying Storm Event** – a storm event with at least 0.1 inch of precipitation (defined as a "measurable" event), providing the interval from the preceding measurable storm is at least 72 hours. The 72-hour storm interval is waived if the preceding measurable storm did not result in a *stormwater discharge* (e.g., a storm events in excess of 0.1 inches may not result in a *stormwater discharge* at some facilities), or if the *owner or operator* is able to document that less than a 72 hour interval is representative for local storm events during the sampling period.

**Reportable Quantity Release** - a release of a hazardous substance at or above the established legal threshold that requires emergency notification. Refer to 40 CFR Parts 110, 177, and 302 for complete definitions and reportable quantities for which notification is required.

**Runoff Coefficient** - the fraction of total rainfall that will appear at the conveyance as runoff.

**Run-on** - sources of stormwater that drain from land located upslope or upstream from, and adjacent to, the facility.

**Significant Materials** - includes, but is not limited to: raw materials; fuels; materials such as solvents, detergents, and plastic pellets; finished materials such as metallic products; raw materials used in food processing or production; hazardous substances designated under section 101(14) of CERCLA; any chemical the facility is required to report pursuant to section 313 of Title III of SARA; fertilizers; pesticides; and waste products such as ashes, slag and sludge that have the potential to be released with *stormwater discharges*.

**State** - means the State of New York.

**State Pollutant Discharge Elimination System (SPDES)** - means the system established pursuant to Article 17 of the *ECL* and this Part for issuance of permits authorizing *discharges* to the waters of the *State*.

**Stormwater** - means that portion of precipitation that, once having fallen to the ground, is in excess of the evaporative or infiltrative capacity of soils, or the retentive capacity of surface features, which flows or will flow off the land by surface runoff to waters of the *State*.

**Stormwater Discharges Associated with Industrial Activity** - the *discharge* from any conveyance that is used for collecting and conveying *stormwater* and that is directly related to manufacturing, processing or raw materials storage areas at an industrial plant. The term does not include *discharges* from facilities or activities excluded from the *NPDES* program under Part 122. For the categories of industries identified in this section, the term includes, but is not limited to, *stormwater discharges* from industrial plant yards; immediate access roads and rail lines used or traveled by carriers of raw materials, manufactured products, waste material, or by-products used or created by the facility; material handling sites; refuse sites; sites used for the application or disposal of process waste waters (as defined at 40 CFR Part 401 of this chapter); sites used for the storage and maintenance of material handling equipment; sites used for residual treatment, storage, or disposal; shipping and receiving areas; manufacturing buildings; storage areas (including tank farms) for raw materials, and intermediate and final products; and areas where *industrial activity* has taken place in the past and *significant materials* remain and are exposed to *stormwater*. For the purposes of this paragraph, material handling activities include storage, loading and unloading, transportation, or conveyance of any raw material, intermediate product, final product, by-product or waste product. The term excludes areas located on plant lands separate from the plant's industrial activities, such as office buildings and accompanying parking lots as long as the drainage from the excluded areas is not mixed with *stormwater* drained from the above described areas. Industrial facilities include those that are federally, *State*, or municipally owned or operated that meet the description of the facilities listed in Appendix D of this permit. The term also includes those facilities designated under the provisions of 40 CFR 122.26(a)(1)(v).

**Surface Waters of the State** - shall be construed to include lakes, bays, sounds, ponds, impounding reservoirs, springs, rivers, streams, creeks, estuaries, marshes, inlets, canals, the Atlantic ocean within the territorial seas of the *State* of New York and all other bodies of surface water, natural or artificial, inland or coastal, fresh or salt, public or private (except those private waters that do not combine or effect a junction with natural surface or underground waters), which are wholly or partially within or bordering the *State* or within its jurisdiction. Waters of the *State* are further defined in 6 NYCRR Parts 800 to 941.

**Technical Standards** – means the New York State *Stormwater* Management Design Manual (2015) and New York State Standards and Specifications for Erosion and Sediment Control (2016).

**Temporary Stabilization** - means that exposed soil has been covered with material(s) as set forth in the technical standard, New York Standards and Specifications for Erosion and Sediment Control, to prevent the exposed soil from eroding. The materials can include, but are not limited to, mulch, seed and mulch, and erosion control mats (e.g. jute twisted yarn, excelsior wood fiber mats).

**Total Maximum Daily Loads (TMDLs)** - A TMDL is the sum of the allowable loads of a single *pollutant* from all contributing point and nonpoint sources. It is a calculation of the maximum amount of a *pollutant* that a waterbody can receive and still meet water quality standards, and an allocation of that amount to the *pollutant's* sources. A TMDL stipulates waste load allocations (WLAs) for *point source discharges*, load allocations (LAs) for nonpoint sources, and a margin of safety (MOS).

**Waters of the United States** - means:

1. All waters which are currently used, were used in the past, or may be susceptible to use in interstate or foreign commerce, including all waters that are subject to the ebb and flow of the tide;
2. All interstate waters, including interstate "wetlands";
3. All other waters, such as interstate lakes, rivers, streams (including intermittent streams), mudflats, sandflats, wetlands, sloughs, prairie potholes, wet meadows, playa lakes, or natural ponds, the use, degradation, or destruction of which would affect or could affect interstate or foreign commerce, including any such waters:
  - a. Which are or could be used by interstate or foreign travelers for recreational or other purposes;
  - b. From which fish or shellfish are or could be taken and sold in interstate or foreign commerce; or
  - c. Which are or could be used for industrial purposes by industries in interstate commerce;
  - d. All impoundments of waters otherwise defined as *waters of the United States* under this definition;
  - e. Tributaries of waters identified in paragraphs (1) through (4) of this definition;
  - f. The territorial sea; and

- g. Wetlands adjacent to waters (other than waters that are themselves wetlands) identified in paragraphs 1 through 6 of this definition.

**Water Quality Standard** - means such measures of purity or quality for any waters in relation to their reasonable and necessary use as promulgated in 6 NYCRR Part 700 et seq.

## Appendix B - Sectors of Industrial Activity Covered by this Permit

| SECTORS OF INDUSTRIAL ACTIVITY COVERED BY THIS PERMIT                 |                                                                                                                                                                                                |
|-----------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Activities Consistent with Descriptions and SIC Code or Activity Code | Activity Represented                                                                                                                                                                           |
| <b>Sector A: Timber Products</b>                                      |                                                                                                                                                                                                |
| 2411                                                                  | Log Storage and Handling (Wet deck storage areas are only authorized if no chemical additives are used in the spray water or applied to the logs).                                             |
| 2421                                                                  | General Sawmills and Planning Mills                                                                                                                                                            |
| 2426                                                                  | Hardwood Dimension and Flooring Mills                                                                                                                                                          |
| 2429                                                                  | Special Product Sawmills, Not Elsewhere Classified                                                                                                                                             |
| 2431-2439<br>(except 2434 - see Sector W)                             | Millwork, Veneer, Plywood, and Structural Wood                                                                                                                                                 |
| 2441, 2448, 2449                                                      | Wood Containers                                                                                                                                                                                |
| 2451, 2452                                                            | Wood Buildings and Mobile Homes                                                                                                                                                                |
| 2491                                                                  | Wood Preserving                                                                                                                                                                                |
| 2493                                                                  | Reconstituted Wood Products                                                                                                                                                                    |
| 2499                                                                  | Wood Products, Not Elsewhere Classified                                                                                                                                                        |
| <b>Sector B: Paper and Allied Products</b>                            |                                                                                                                                                                                                |
| 2611                                                                  | Pulp Mills                                                                                                                                                                                     |
| 2621                                                                  | Paper Mill                                                                                                                                                                                     |
| 2631                                                                  | Paperboard Mills                                                                                                                                                                               |
| 2652-2657                                                             | Paperboard Containers and Boxes                                                                                                                                                                |
| 2671-2679                                                             | Converted Paper and Paperboard Products, Except Containers and Boxes                                                                                                                           |
| <b>Sector C: Chemical and Allied Products</b>                         |                                                                                                                                                                                                |
| 2812-2819                                                             | Industrial Inorganic Chemicals                                                                                                                                                                 |
| 2821-2824                                                             | Plastics Materials and Synthetic Resins, Synthetic Rubber, Cellulosic and Other Manmade Fibers Except Glass                                                                                    |
| 2833-2836                                                             | Medicinal Chemicals and Botanical Products; Pharmaceutical Preparations; In Vitro and In Vivo Diagnostic Substances; Biological Products, Except Diagnostic Substances                         |
| 2841-2844                                                             | Soaps, Detergents, and Cleaning Preparations; Perfumes, Cosmetics, and Other Toilet Preparations                                                                                               |
| 2851                                                                  | Paints, Varnishes, Lacquers, Enamels, and Allied Products                                                                                                                                      |
| 2861-2869                                                             | Industrial Organic Chemicals                                                                                                                                                                   |
| 2873-2879                                                             | Agricultural Chemicals                                                                                                                                                                         |
| 2891-2899                                                             | Miscellaneous Chemical Products                                                                                                                                                                |
| 2911                                                                  | Petroleum Refineries                                                                                                                                                                           |
| 3952 (limited to list)                                                | Inks and Paints, Including China Painting Enamels, India Ink, Drawing Ink, Platinum Paints for Burnt Wood or Leather Work, Paints for China Painting, Artist's Paints and Artist's Watercolors |

| <b>SECTORS OF INDUSTRIAL ACTIVITY COVERED BY THIS PERMIT (Continued)</b>     |                                                                     |
|------------------------------------------------------------------------------|---------------------------------------------------------------------|
| <b>Activities Consistent with Descriptions and SIC Code or Activity Code</b> | <b>Activity Represented</b>                                         |
| <b>Sector D: Asphalt Paving and Roofing Materials and Lubricants</b>         |                                                                     |
| 2951, 2952                                                                   | Asphalt Paving and Roofing Materials                                |
| 2992, 2999                                                                   | Miscellaneous Products of Petroleum and Coal                        |
| <b>Sector E: Glass Clay, Cement, Concrete, and Gypsum Products</b>           |                                                                     |
| 3211                                                                         | Flat Glass                                                          |
| 3221, 3229                                                                   | Glass and Glassware, Pressed or Blown                               |
| 3231                                                                         | Glass Products Made of Purchased Glass                              |
| 3241                                                                         | Hydraulic Cement                                                    |
| 3251-3259                                                                    | Structural Clay Products                                            |
| 3261-3269                                                                    | Pottery and Related Products                                        |
| 3271-3275                                                                    | Concrete, Gypsum and Plaster Products                               |
| 3281                                                                         | Cut Stone and Stone Products                                        |
| 3291-3299                                                                    | Abrasive, Asbestos, and Miscellaneous Non-metallic Mineral Products |
| <b>Sector F: Primary Metals</b>                                              |                                                                     |
| 3312-3317                                                                    | Steel Works, Blast Furnaces, and Rolling and Finishing Mills        |
| 3321-3325                                                                    | Iron and Steel Foundries                                            |
| 3331-3339                                                                    | Primary Smelting and Refining of Nonferrous Metals                  |
| 3341                                                                         | Secondary Smelting and Refining of Nonferrous Metals                |
| 3351-3357                                                                    | Rolling, Drawing, and Extruding of Nonferrous Metals                |
| 3363-3369                                                                    | Nonferrous Foundries (Castings)                                     |
| 3398, 3399                                                                   | Miscellaneous Primary Metal Products                                |
| <b>Sector G: Metal Mining (Ore Mining and Dressing)</b>                      |                                                                     |
| 1011                                                                         | Iron Ores                                                           |
| 1021                                                                         | Copper Ores                                                         |
| 1031                                                                         | Lead and Zinc Ores                                                  |
| 1041, 1044                                                                   | Gold and Silver Ores                                                |
| 1061                                                                         | Ferroalloy Ores, Except Vanadium                                    |
| 1081                                                                         | Metal Mining Services                                               |
| 1094, 1099                                                                   | Miscellaneous Metal Ores                                            |
| <b>Sector H: [Reserved]</b>                                                  |                                                                     |
| <b>Sector I: Oil and Gas Extraction and Refining</b>                         |                                                                     |
| 1311                                                                         | Crude Petroleum and Natural Gas                                     |
| 1321                                                                         | Natural Gas Liquids                                                 |
| 1381-1389                                                                    | Oil and Gas Field Services                                          |

| <b>SECTORS OF INDUSTRIAL ACTIVITY COVERED BY THIS PERMIT (Continued)</b>     |                                                                                         |
|------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|
| <b>Activities Consistent with Descriptions and SIC Code or Activity Code</b> | <b>Activity Represented</b>                                                             |
| <b>Sector J: Mineral Mining and Dressing</b>                                 |                                                                                         |
| 1411                                                                         | Dimension Stone                                                                         |
| 1422-1429                                                                    | Crushed and Broken Stone, Including Rip Rap                                             |
| 1442, 1446                                                                   | Sand and Gravel                                                                         |
| 1455, 1459                                                                   | Clay, Ceramic, and Refractory Materials                                                 |
| 1474-1479                                                                    | Chemical and Fertilizer Mineral Mining                                                  |
| 1481                                                                         | Nonmetallic Minerals Services, Except Fuels                                             |
| 1499                                                                         | Miscellaneous Nonmetallic Minerals, Except Fuels                                        |
| <b>Sector K: Hazardous Waste Treatment, Storage, or Disposal Facilities</b>  |                                                                                         |
| HZ                                                                           | Hazardous Waste Treatment Storage or Disposal                                           |
| <b>Sector L: Landfills and Land Application Sites</b>                        |                                                                                         |
| LF                                                                           | Landfills, Land Application Sites, and Non-Compliant Landfills                          |
| <b>Sector M: Automobile Salvage Yards</b>                                    |                                                                                         |
| 5015                                                                         | Automobile Salvage Yards                                                                |
| <b>Sector N: Scrap Recycling Facilities</b>                                  |                                                                                         |
| 5093                                                                         | Scrap Recycling Facilities, Including Transfer Stations Accepting Household Recyclables |
| 4499 (limited to list)                                                       | Dismantling Ships, Marine Salvaging, and Marine Wrecking - Ships For Scrap              |
| <b>Sector O: Steam Electric Generating Facilities</b>                        |                                                                                         |
| SE                                                                           | Steam Electric Generating Facilities                                                    |
| <b>Sector P: Land Transportation and/or Warehousing</b>                      |                                                                                         |
| 4011, 4013                                                                   | Railroad Transportation                                                                 |
| 4111-4173                                                                    | Local and Highway Passenger Transportation                                              |
| 4212-4231                                                                    | Motor Freight Transportation and/or Warehousing                                         |
| 4311                                                                         | United States Postal Service                                                            |
| 5171                                                                         | Petroleum Bulk Stations and Terminals                                                   |
| <b>Sector Q: Water Transportation</b>                                        |                                                                                         |
| 4412-4499(except 4499 facilities as specified in Sector N)                   | Water Transportation, Marinas, Yacht Clubs                                              |
| <b>Sector R: Ship and Boat Building or Repairing Yards</b>                   |                                                                                         |
| 3731, 3732                                                                   | Ship and Boat Building or Repairing Yards                                               |
| <b>Sector S: Air Transportation</b>                                          |                                                                                         |
| 4512-4581                                                                    | Air Transportation Facilities                                                           |

| <b>SECTORS OF INDUSTRIAL ACTIVITY COVERED BY THIS PERMIT (Continued)</b>                                      |                                                                                                                                        |
|---------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| <b>Activities Consistent with Descriptions and SIC Code or Activity Code</b>                                  | <b>Activity Represented</b>                                                                                                            |
| <b>Sector T: Treatment Works</b>                                                                              |                                                                                                                                        |
| TW                                                                                                            | Treatment Works                                                                                                                        |
| <b>Sector U: Food and Kindred Products</b>                                                                    |                                                                                                                                        |
| 2011-2015                                                                                                     | Meat Products                                                                                                                          |
| 2021-2026                                                                                                     | Dairy Products                                                                                                                         |
| 2032-2038                                                                                                     | Canned, Frozen and Preserved Fruits, Vegetables & Food Specialties                                                                     |
| 2041-2048                                                                                                     | Grain Mill Products                                                                                                                    |
| 2051-2053                                                                                                     | Bakery Products                                                                                                                        |
| 2061-2068                                                                                                     | Sugar and Confectionery Products                                                                                                       |
| 2074-2079                                                                                                     | Fats and Oils                                                                                                                          |
| 2082-2087                                                                                                     | Beverages                                                                                                                              |
| 2091-2099                                                                                                     | Miscellaneous Food Preparations and Kindred Products                                                                                   |
| 2111-2141                                                                                                     | Tobacco Products                                                                                                                       |
| <b>Sector V: Textile Mills, Apparel, and Other Fabric Product Manufacturing, Leather and Leather Products</b> |                                                                                                                                        |
| 2211-2299                                                                                                     | Textile Mill Products                                                                                                                  |
| 2311-2399                                                                                                     | Apparel and Other Finished Products Made From Fabrics and Similar Materials                                                            |
| 3131-3199 (3111 - see Sector Z)                                                                               | Leather and Leather Products, except Leather Tanning and Finishing                                                                     |
| <b>Sector W: Furniture and Fixtures</b>                                                                       |                                                                                                                                        |
| 2434                                                                                                          | Wood Kitchen Cabinets                                                                                                                  |
| 2511-2599                                                                                                     | Furniture and Fixtures                                                                                                                 |
| <b>Sector X: Printing and Publishing</b>                                                                      |                                                                                                                                        |
| 2711-2796                                                                                                     | Printing, Publishing, and Allied Industries                                                                                            |
| <b>Sector Y: Rubber, Miscellaneous Plastic Products, and Miscellaneous Manufacturing Industries</b>           |                                                                                                                                        |
| 3011                                                                                                          | Tires and Inner Tubes                                                                                                                  |
| 3021                                                                                                          | Rubber and Plastics Footwear                                                                                                           |
| 3052, 3053                                                                                                    | Gaskets, Packing, and Sealing Devices and Rubber and Plastics Hose and Belting                                                         |
| 3061, 3069                                                                                                    | Fabricated Rubber Products, Not Elsewhere Classified                                                                                   |
| 3081-3089                                                                                                     | Miscellaneous Plastics Products                                                                                                        |
| 3931                                                                                                          | Musical Instruments                                                                                                                    |
| 3942-3949                                                                                                     | Dolls, Toys, Games and Sporting and Athletic Goods                                                                                     |
| 3951-3955 (except 3952 facilities specified in Sector C)                                                      | Pens, Pencils, and Other Artists' Materials                                                                                            |
| 3961, 3965                                                                                                    | Costume Jewelry, Costume Novelties, Buttons, and Miscellaneous Notions, Except Precious Metal. Miscellaneous Manufacturing Industries. |
| 3991-3999                                                                                                     | Miscellaneous Manufacturing Industries.                                                                                                |

| <b>SECTORS OF INDUSTRIAL ACTIVITY COVERED BY THIS PERMIT (Continued)</b>       |                                                                                 |
|--------------------------------------------------------------------------------|---------------------------------------------------------------------------------|
| <b>Activities Consistent with Descriptions and SIC Code or Activity Code</b>   | <b>Activity Represented</b>                                                     |
| <b>Sector Z: Leather Tanning and Finishing</b>                                 |                                                                                 |
| 3111                                                                           | Leather Tanning, Currying and Finishing                                         |
| <b>Sector AA: Fabricated Metal Products</b>                                    |                                                                                 |
| 3411–3499                                                                      | Fabricated Metal Products, Except Machinery and Transportation Equipment        |
| 3911–3915                                                                      | Jewelry, Silverware, and Plated Ware                                            |
| <b>Sector AB: Transportation Equipment, Industrial or Commercial Machinery</b> |                                                                                 |
| 3511-3599 (except 3571-3579 - see Sector AC)                                   | Industrial and Commercial Machinery (Except Computer and Office Equipment).     |
| 3711-3799 (except 3731, 3732 - see Sector R)                                   | Transportation Equipment (Except Ship and Boat Building and Repairing)          |
| <b>Sector AC: Electronic, Electrical, Photographic, and Optical Goods</b>      |                                                                                 |
| 3571-3579                                                                      | Computer and Office Equipment                                                   |
| 3612-3699                                                                      | Electronic, Electrical Equipment and Components, Except Computer Equipment      |
| 3812-3873                                                                      | Measuring, Analyzing and Controlling Instrument; Photographic and Optical Goods |

## Appendix C - Sectors Subject to Benchmark Monitoring Requirements

| INDUSTRIAL SECTORS SUBJECT TO BENCHMARK MONITORING                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                       |                                                                                     |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Industry Sector <sup>1</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Industry Sub-sector                                                   | Benchmark Monitoring Parameters                                                     |
| <b>A</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | General Sawmills and Planing Mills                                    | TSS, COD, Zinc, TN, Phosphorus                                                      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Wood Preserving Facilities                                            | Arsenic, Chromium, Copper                                                           |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Log Storage and Handling                                              | TSS                                                                                 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Hardwood Dimension and Flooring Mills                                 | TSS, COD                                                                            |
| <b>B</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Paperboard Mills                                                      | COD                                                                                 |
| <b>C</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Industrial Inorganic Chemicals                                        | Aluminum, Iron, TN                                                                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Plastics, Synthetic Resins, etc                                       | Zinc                                                                                |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Soaps, Detergents, Cosmetics, Perfumes                                | TN, Zinc                                                                            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Agricultural Chemicals                                                | TN, Iron, Lead, Zinc, Phosphorus                                                    |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Petroleum Refining                                                    | Oil & Grease, Lead, Zinc, BTEX                                                      |
| <b>D</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Asphalt Paving and Roofing Materials                                  | TSS                                                                                 |
| <b>E</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Clay Products                                                         | Aluminum                                                                            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Concrete Products                                                     | TSS, pH, Iron                                                                       |
| <b>F</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Steel Works, Blast Furnaces, and Rolling .... and Finishing Mills     | Aluminum, Zinc                                                                      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Iron and Steel Foundries                                              | Aluminum, TSS, Copper, Iron, Zinc                                                   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Nonferrous Rolling, Drawing & Extruding                               | Copper, Zinc                                                                        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Nonferrous Foundries (Castings)                                       | Copper, Zinc                                                                        |
| <b>G<sup>2</sup></b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Ore Mining and Dressing                                               | TSS, COD, pH, turbidity, metals                                                     |
| <b>H</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | [Reserved]                                                            |                                                                                     |
| <b>I</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Oil and Gas Extraction                                                | TSS, Chlorides, pH, <sup>4</sup>                                                    |
| <b>J</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Sand and Gravel Mining                                                | TSS, TN, Iron, Zinc, Phosphorus                                                     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Dimension and Crushed Stone and Non- metallic Minerals (except fuels) | TSS                                                                                 |
| <b>K</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Hazardous Waste Treatment, Storage or ..... Disposal                  | TSS, COD, TN, Arsenic, Cadmium, Cyanide, Lead, Magnesium, Mercury, Selenium, Silver |
| <p>1 - Table does not include parameters for compliance monitoring under <i>effluent limitations guidelines</i>.</p> <p>2 - See Sector G (Part VII.G) for additional monitoring <i>discharges</i> from waste rock and overburden piles from active ore mining or dressing facilities which includes TSS, COD, turbidity, pH, hardness, and metals.</p> <p>3 - Monitoring requirement for airports with deicing activities utilizing more than 100 tons of urea or more than 100,000 gallons of glycol per year.</p> <p>4 - BTEX is Benzene, Ethylbenze, Toluene and Xylene.</p> |                                                                       |                                                                                     |

## INDUSTRIAL SECTORS SUBJECT TO BENCHMARK MONITORING (Continued)

| Industry Sector <sup>1</sup> | Industry Sub-sector                                                                                                                      | Benchmark Monitoring Parameters                                                                                 |
|------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|
| <b>L</b>                     | Landfills, Land Application Sites, and Open.. Dumps                                                                                      | Iron, TSS, TN, Phosphorus                                                                                       |
|                              | Landfills, Land Application Sites and Open .. Dumps, Except Municipal Solid Waste Landfill Sites Closed in accordance with 40 CFR 258.60 | Iron, TSS                                                                                                       |
| <b>M</b>                     | Automobile Salvage Yards                                                                                                                 | TSS, Oil & Grease, Aluminum, Iron, Lead, BTEX <sup>4</sup>                                                      |
| <b>N</b>                     | Scrap Recycling/Waste Recycling Facilities .. and Facilities Engaged in Ship Dismantling, Marine Salvaging & Marine Wrecking for Scrap   | TSS, COD, Oil & Grease, Aluminum, Cadmium, Copper, Chromium, Iron, Lead, Zinc                                   |
|                              | Scrap & Waste Recycling Facilities which .... include <i>Stormwater Discharges</i> from Shredder Fluff Storage Areas                     | TSS, COD, Oil & Grease, Aluminum, Cadmium, Copper, Chromium, Iron, Lead, Zinc, Mercury, PCBs, BTEX <sup>4</sup> |
| <b>O</b>                     | Steam Electric Generating Facilities                                                                                                     | Iron, Oil & Grease, PCBs                                                                                        |
| <b>P</b>                     | Land Transportation and/or Warehousing, including Transfer Stations with vehicle maintenance facilities                                  | Oil & Grease, COD, BTEX <sup>4</sup>                                                                            |
| <b>Q</b>                     | Water Transportation Facilities                                                                                                          | Aluminum, Iron, Zinc, Lead                                                                                      |
| <b>S</b>                     | Airports with deicing activities <sup>3</sup>                                                                                            | COD, BOD, TN, pH                                                                                                |
| <b>T</b>                     | Treatment Works                                                                                                                          | COD                                                                                                             |
| <b>U</b>                     | Grain Mill Products                                                                                                                      | TSS, TN, Phosphorus                                                                                             |
|                              | Fats and Oils Products                                                                                                                   | BOD, COD, TSS, TN, Phosphorus                                                                                   |
| <b>Y</b>                     | Rubber Products                                                                                                                          | Zinc                                                                                                            |
| <b>Z</b>                     | Leather Tanning and Finishing                                                                                                            | TN, Chromium                                                                                                    |
| <b>AA</b>                    | Fabricated Metal Products Except Coating                                                                                                 | TN, Aluminum, Iron, Zinc                                                                                        |
|                              | Fabricated Metal Coating and Engraving                                                                                                   | TN, Zinc                                                                                                        |
| <b>AC</b>                    | Electronic, Electrical Equipment and Components, Photographic & Optical Goods                                                            | TSS, Copper, Lead                                                                                               |

1 - Table does not include parameters for compliance monitoring under *effluent limitations guidelines*.

2 - See Sector G (Part VII.G) for additional monitoring *discharges* from waste rock and overburden piles from active ore mining or dressing facilities which includes TSS, COD, turbidity, pH, hardness, and metals.

3 - Monitoring requirement for airports with deicing activities utilizing more than 100 tons of urea or more than 100,000 gallons of glycol per year.

4 - BTEX is Benzene, Ethylbenze, Toluene and Xylene.

## Appendix D - Compliance Monitoring Requirements - Industrial Activities Subject to Effluent Limitation Guidelines

| Effluent limitation guidelines applicable to <i>discharges</i> that may be eligible for permit coverage                                                                                              |                                  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|
| Effluent Limitation Guideline                                                                                                                                                                        | Sectors With Affected Facilities |
| <i>Discharges</i> resulting from spray down or intentional wetting of logs at wet deck storage areas (40 CFR Part 429, Subpart I (2002) (established January 26, 1981))                              | A                                |
| Contaminated runoff from phosphate fertilizer manufacturing facilities (40 CFR Part 418 Subpart A (2002) (established April 8, 1974))                                                                | C                                |
| Runoff from asphalt emulsion facilities (40 CFR Part 443 Subpart A (2002) (established July 24, 1975))                                                                                               | D                                |
| Runoff from material storage piles at cement manufacturing facilities (40 CFR Part 411 Subpart C (2002) (established February 23, 1977))                                                             | E                                |
| Mine dewatering <i>discharges</i> at crushed stone mines (40 CFR Part 436, Subpart B)                                                                                                                | J                                |
| Mine dewatering <i>discharges</i> at construction sand and gravel mines (40 CFR Part 436, Subpart C)                                                                                                 | J                                |
| Mine dewatering <i>discharges</i> at industrial sand mines (40 CFR Part 436, Subpart D)                                                                                                              | J                                |
| Runoff from landfills, (40 CFR Part 445, Subpart A and B (2002) (established February 2, 2000))                                                                                                      | K & L                            |
| Coal pile runoff at steam electric generating facilities (40 CFR Part 423 (2002) (established November 19, 1982))                                                                                    | O                                |
| Runoff containing urea from airfield pavement deicing at existing and new primary airports with 1,000 or more annual non-propeller aircraft departures (40 CFR Part 449, (established May 16, 2012)) | S                                |

## Appendix E - Additional Information for New *Discharges*

Any facility with new *stormwater discharges associated with industrial activity* which require any other *Uniform Procedures Act* (<http://www.dec.ny.gov/permits/6081.html>) permit(s) (*Environmental Conservation Law*, 6 NYCRR Part 621) are not initially eligible for coverage under this general permit. The *discharger* must first complete a Short Environmental Assessment Form which can be found in Appendix B of 6 NYCRR Part 617.20 or on the web at <http://www.dec.ny.gov/regs/6191.html>, and submit it to the appropriate NYSDEC Regional Permit Administrator. Upon a review of the Short Environmental Assessment Form and the information specified below, the *Department* may authorize the applicant to submit a Notice of Intent (NOI) to obtain coverage under this general permit or, alternatively, require an application for an *individual SPDES permit*.

### Additional Information

1. A site map showing topography (or indicating the outline of drainage areas served by the *outfall(s)* for which *discharge* authorization and permit coverage is being sought if a topographic map is unavailable) of the facility including: each of its drainage and *discharge* structures; the drainage area of each *stormwater outfall*; paved areas and buildings within the drainage area of each *stormwater outfall*; areas used for outdoor storage or disposal of *significant materials*; structural *control measure(s)* to reduce *pollutants* in *stormwater* runoff; material loading and access areas; areas where pesticides, herbicides, soil conditioners and fertilizers are applied; each hazardous waste treatment, storage or disposal facility (including each area not required to have a RCRA permit which is used for accumulating hazardous waste under 40 CFR 262.34); wells where fluids from the facility are injected underground; and springs, and surface and/or *groundwater* bodies which will receive *stormwater discharges* from the facility.
2. An estimate of the area of impervious surfaces (including paved areas and building roofs) and the total area drained by each *outfall* and a narrative description of the following: *significant materials* that, in the three years prior to the submittal of this information, have been treated, stored or disposed of in a manner which will allow exposure to *stormwater*; methods of treatment, storage or disposal of such materials; materials management practices employed to *minimize* contact of these materials with *stormwater* runoff; materials loading and access areas; the location, manner and frequency of application of pesticides, herbicides, soil conditioners and fertilizers; the location and description of structural and non-structural *control measures* being used to reduce *pollutants* in *stormwater* runoff; and a description of the *stormwater* treatment, including the ultimate disposal of any solid or fluid wastes other than by *discharge*.

3. A certification that all *outfalls* that could contain *stormwater discharges associated with industrial activity* have been tested or evaluated for the presence of non-*stormwater discharges* which are not covered by an existing *SPDES* permit; tests for such non-*stormwater discharges* may include smoke tests, fluorometric, analysis of accurate schematics, as well as other appropriate tests. The certification shall include a description of the method used, the date of any testing, and the on-site drainage points that were directly observed during a test.
4. Existing information regarding reportable leaks or spills of toxic or hazardous *pollutants* at the facility that have occurred within the three years prior to the submittal of this information.
5. Estimates for the following parameters for all *outfalls*:
  - Any *pollutant* limited in an effluent limitations guideline for which the facility is subject;
  - Any *pollutant* listed in the facility's existing *SPDES* permit, if any;
  - Oil and grease, pH, BOD5, COD, TSS, total phosphorus, Ammonia, Total Kjeldahl nitrogen, and nitrate plus nitrite nitrogen;
  - Any information on the *discharge* required under paragraph §122.21(g)(7)(iii) and (iv) of 40 CFR Part 122; and
  - The flow rate and total amount of *discharge* for *stormwater* event(s) and the method of estimation.
6. Other information as the *Department* may reasonably require to determine whether coverage under this general permit or, alternatively, under an individual permit is required.

## Appendix F - List of DEC Regional Offices

| List of NYS DEC Regional Offices |                                                                                                    |                                                                                                    |                                                                                                    |
|----------------------------------|----------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|
| Region                           | Counties Covered                                                                                   | DIVISION OF ENVIRONMENTAL PERMITS (DEP)<br>Permit Administrators                                   | DIVISION OF WATER (DOW)<br>Water (SPDES) Program<br>Regional Water Engineer                        |
| 1                                | Nassau and Suffolk                                                                                 | SUNY @ Stony Brook<br>50 Circle Road<br>Stony Brook, NY 11790-3409<br>Tel. (631) 444-0365          | SUNY @ Stony Brook<br>50 Circle Road<br>Stony Brook, NY 11790-3409<br>Tel. (631) 444-0405          |
| 2                                | Bronx, Kings, New York, Queens and Richmond                                                        | 1 Hunters Point Plaza,<br>47-40 21st St.<br>Long Island City, NY 11101-5407<br>Tel. (718) 482-4997 | 1 Hunters Point Plaza,<br>47-40 21st St.<br>Long Island City, NY 11101-5407<br>Tel. (718) 482-4933 |
| 3                                | Dutchess, Orange, Putnam, Rockland, Sullivan, Ulster and Westchester                               | 21 South Putt Corners Road<br>New Paltz, NY 12561-1696<br>Tel. (845) 256-3059                      | 100 Hillside Ave., Suite 1W<br>Whiteplains, NY 10603-2860<br>Tel. (914) 428-2505                   |
| 4                                | Albany, Columbia , Delaware , Greene , Montgomery, Otsego, Rensselaer, Schenectady and Schoharie   | 1130 North Westcott Road<br>Schenectady, NY 12306-2014<br>Tel. (518) 357-2069                      | 1130 North Westcott Road<br>Schenectady, NY 12306-2014<br>Tel. (518) 357-2045                      |
| 5                                | Clinton, Essex, Franklin, Fulton, Hamilton, Saratoga, Warren and Washington                        | 1115 NYS Route 86<br>Ray Brook, NY 12977-0296<br>Tel. (518) 897-1234                               | 232 Golf Course Road<br>Warrensburg, NY 12885-0220<br>Tel. (518) 623-1200                          |
| 6                                | Herkimer, Jefferson, Lewis, Oneida and St. Lawrence                                                | State Office Building<br>317 Washington Street<br>Watertown, NY 13601-3787<br>Tel. (315) 785-2245  | State Office Building<br>207 Genesee Street<br>Utica, NY 13501-2885<br>Tel. (315) 793-2554         |
| 7                                | Broome , Cayuga , Chenango, Cortland, Madison, Onondaga, Oswego, Tioga and Tompkins                | 615 Erie Blvd. West<br>Syracuse, NY 13204-2400<br>Tel. (315) 426-7438                              | 615 Erie Blvd. West<br>Syracuse, NY 13204-2400<br>Tel. (315) 426-7500                              |
| 8                                | Chemung, Genesee, Livingston, Monroe, Ontario, Orleans, Schuyler, Seneca, Steuben, Wayne and Yates | 6274 East Avon-Lima Road<br>Avon, NY 14414-9519<br>Tel. (585) 226-2466                             | 6274 East Avon-Lima Rd.<br>Avon, NY 14414-9519<br>Tel. (585) 226-2466                              |
| 9                                | Allegany, Cattaraugus, Chautauqua, Erie, Niagara and Wyoming                                       | 270 Michigan Avenue<br>Buffalo, NY 14203-2999<br>Tel. (716) 851-7165                               | 270 Michigan Ave.<br>Buffalo, NY 14203-2999<br>Tel. (716) 851-7070                                 |

## Appendix G – Pollutant(s) of Concern for Impaired Waterbodies Reference Table

| Pollutant(s) of Concern for Impaired Waterbodies Reference Table |                                                |                                        |
|------------------------------------------------------------------|------------------------------------------------|----------------------------------------|
| Pollutant of Concern Causing Impairment                          | Applicable Benchmark or Numeric Effluent Limit | Sector                                 |
| Acid/Base (pH)                                                   | pH                                             | A, D, E, G, I, J, K, L, S              |
| Algal/Plant Growth                                               | Total Nitrogen (TN)                            | A, C, J, K, L, S, U, Z, AA             |
|                                                                  | Total Phosphorous (TP)                         | C, J, L, U                             |
|                                                                  | Total Suspended Solids (TSS)                   | A, D, E, F, G, I, J, K, L, M, N, U, AC |
| Ammonia                                                          | Total Nitrogen (TN)                            | A, C, J, K, L, S, U, Z, AA             |
|                                                                  | Ammonia                                        | K, L, S                                |
|                                                                  | Nitrogen                                       | S                                      |
| Biological Impacts                                               | Aluminum                                       | C, E, F, M, N, Q, AA                   |
|                                                                  | Arsenic                                        | A, G, K                                |
|                                                                  | Cadmium                                        | G, K, N                                |
|                                                                  | Beryllium                                      | G                                      |
|                                                                  | Chromium                                       | A, K, N, Z                             |
|                                                                  | Copper                                         | A, F, G, N, AC                         |
|                                                                  | Cyanide                                        | K                                      |
|                                                                  | Iron                                           | C, E, F, G, J, L, M, N, O, Q, AA       |
|                                                                  | Lead                                           | C, G, K, M, N, Q, AC                   |
|                                                                  | Magnesium                                      | K                                      |
|                                                                  | Manganese                                      | G                                      |
|                                                                  | Mercury                                        | G, K, N                                |
|                                                                  | Nickel                                         | G                                      |
|                                                                  | Selenium                                       | G, K                                   |
|                                                                  | Silver                                         | G, K                                   |
|                                                                  | Zinc                                           | A, C, F, G, J, K, L, N, Q, Y, AA       |
|                                                                  | Chlorides                                      | I                                      |
|                                                                  | Total Nitrogen (TN)                            | A, C, J, K, L, S, U, Z, AA             |
|                                                                  | Total Phosphorous (TP)                         | C, J, L, U                             |
|                                                                  | Total Suspended Solids (TSS)                   | A, D, E, F, G, I, J, K, L, M, N, U, AC |

| <b>Pollutant(s) of Concern for Impaired Waterbodies Reference Table (Continued)</b> |                                               |                                        |
|-------------------------------------------------------------------------------------|-----------------------------------------------|----------------------------------------|
| <b>Pollutant of Concern Causing Impairment</b>                                      | <b>Applicable Benchmark or Effluent Limit</b> | <b>Sector</b>                          |
| Cadmium                                                                             | Cadmium                                       | G, K, N                                |
| Chlorides/Salts                                                                     | Chlorides                                     | I                                      |
| Copper                                                                              | Copper                                        | A, F, G, N, AC                         |
| Cyanide                                                                             | Cyanide                                       | K                                      |
| Floatables                                                                          | Oil & Grease                                  | C, D, M, N, O, P                       |
| Mercury                                                                             | Mercury                                       | G, K, N                                |
| Harmful Algal Blooms                                                                | Total Nitrogen (TN)                           | A, C, J, K, L, S, U, Z, AA             |
|                                                                                     | Total Phosphorous (TP)                        | C, J, L, U                             |
|                                                                                     | Total Suspended Solids (TSS)                  | A, D, E, F, G, I, J, K, L, M, N, U, AC |
| Low D.O./ Oxygen Demand                                                             | Biochemical Oxygen Demand (BOD)               | K, L, S, U                             |
|                                                                                     | Chemical Oxygen Demand (COD)                  | A, B, G, K, N, P, S, T, U              |
|                                                                                     | Total Nitrogen (TN)                           | A, C, J, K, L, S, U, Z, AA             |
|                                                                                     | Total Phosphorous (TP)                        | C, J, L, U                             |
| Nitrogen                                                                            | Total Nitrogen (TN)                           | A, C, J, K, L, S, U, Z, AA             |
| Nutrients                                                                           | Total Nitrogen (TN)                           | A, C, J, K, L, S, U, Z, AA             |
|                                                                                     | Total Phosphorous (TP)                        | C, J, L, U                             |
|                                                                                     | Total Suspended Solids (TSS)                  | A, D, E, F, G, I, J, K, L, M, N, U, AC |
| PCBs                                                                                | PCBs                                          | N, O                                   |
| Phosphorus                                                                          | Total Phosphorous (TP)                        | C, J, L, U                             |
|                                                                                     | Total Suspended Solids (TSS)                  | A, D, E, F, G, I, J, K, L, M, N, U, AC |
| Oil & Grease                                                                        | Oil & Grease                                  | C, D, M, N, O, P                       |
| Silt/Sediment                                                                       | Total Suspended Solids (TSS)                  | A, D, E, F, G, I, J, K, L, M, N, U, AC |
| Turbidity                                                                           | Total Suspended Solids (TSS)                  | A, D, E, F, G, I, J, K, L, M, N, U, AC |

## Appendix H – Standard Permit Conditions

### 1. Duty to Comply

The *owner or operator* must comply with all terms and conditions of the permit. Any permit noncompliance constitutes a violation of the *Environmental Conservation Law* and is grounds for enforcement action, ineligibility for this SPDES general permit, or denial of a permit renewal.

An owner/operator's filing of a request for a transfer or termination, or notification of planned changes or anticipated non-compliance does not limit, diminish or stay compliance with any terms of this general permit.

### 2. Continuation of the Expired General Permit

In the event a new general permit is not issued prior to the expiration of this general permit and this general permit is extended pursuant to the State Administrative Procedure Act and 6 NYCRR Part 621, then the *owner or operator* with coverage under this general permit may continue to operate and *discharge* in accordance with the terms and conditions of this general permit until such time that a new general permit is issued. This general permit expires 5 years from the effective date.

### 3. Enforcement

Failure of the *owner or operator* to strictly adhere to any of the SPDES general permit requirements contained herein shall constitute a violation of this SPDES general permit. There are substantial criminal, civil, and administrative penalties associated with violating the provisions of this SPDES general permit. Fines of up to \$37,500 per day for each violation and imprisonment for up to fifteen (15) years may be assessed depending upon the nature and degree of the offense.

### 4. Need to Halt or Reduce Activity Not a Defense

It shall not be a defense for an *owner or operator* in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.

### 5. Duty to Mitigate

The *owner or operator* shall take all reasonable steps to *minimize* or prevent any *discharge* in violation of this permit which has a reasonable likelihood of adversely affecting human health or the environment.

### 6. Duty to Provide Information

The *owner or operator* shall furnish to the *Department*, within five (5) business days of a *Department* request for such information, any information requested to determine compliance with this SPDES general permit, or to determine whether cause exists for denying coverage in accordance with Appendix H.13 of this general permit. The *owner or operator* shall also furnish upon request, copies of records required by this permit.

## 7. Other Information

When the *owner or operator* becomes aware that they failed to submit any relevant facts or submitted incorrect information in the NOI or in any report to the *Department*, they shall promptly submit corrected facts or information.

## 8. Signatory Requirements

a. All forms (NOI and NOT), shall be signed as follows:

(1) For a corporation: by a responsible corporate officer. For the purpose of this section, a responsible corporate officer means:

(a) a president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy or decision-making functions for the corporation; or

(b) the manager of one or more manufacturing, production or operating facilities, provided, the manager is authorized to make management decisions which govern the operation of the regulated facility including having the explicit or implicit duty of making major capital investment recommendations, and initiating and directing other comprehensive measures to assure long term environmental compliance with environmental laws and regulations; the manager can ensure that the necessary systems are established or actions taken to gather complete and accurate information for permit application requirements, and where authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures.

b. For a partnership by a general partner

c. For a sole proprietorship by the proprietor,

d. For a municipality: State, Federal, or other public agency: by either a principal executive officer or ranking elected official. For purposes of this section, a principal executive officer of a Federal agency includes (1) the chief executive officer of the agency, or (2) a senior executive officer having responsibility for the overall operations of a principal geographic unit of the agency (e.g. Regional Administrators of EPA).

e. Duly Authorized Representatives

All reports and documentation required by the permit and other information requested by the *Department* shall be signed by a person described above or by a duly authorized representative of that person. A person is a duly authorized representative only if:

(1) The authorization is made in writing by a person described above and submitted to the *Department*.

(2) 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

manager, *owner or operator*, superintendent, or position of equivalent responsibility or an individual or position having overall responsibility for environmental matters for the company. (A duly authorized representative may thus be either a named individual or any individual occupying a named position).

f. Changes to authorization

If an authorization under Appendix H.8.a is no longer accurate because a different individual or position has responsibility for the overall operation of the facility, a new authorization satisfying the requirements above must be submitted to the *Department* prior to or together with any reports, information, or applications to be signed by an authorized representative.

g. Certification

Any person signing documents under this section shall make the following certification: "I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that *qualified personnel* properly gathered and evaluated the information submitted. Based on my inquiry of the *person* or *persons* who manage the system, or those *person* directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

## 9. Penalties for Falsification of Documentation/Penalties related to Monitoring Devices

In accordance with 6 NYCRR 750-2.4 and 750-2.5, any person who knowingly makes any false material statement, representation, or certification in any application, record, report or other document filed or required to be maintained under this permit, including monitoring reports or reports of compliance or noncompliance shall, upon conviction, be punished in accordance with ECL §71-1933 and or Articles 175 and 210 of the New York State Penal Law.

## 10. Oil and Hazardous Substance Liability

Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the *owner or operator* from any responsibilities, liabilities, or penalties to which the *owner or operator* is or may be subject under section 311 of the CWA or section 102 of the Comprehensive Environmental Response, Compensation and Liability Act of 1980 ("CERCLA").

## 11. Property Rights

The issuance of this permit does not convey any property rights in either real property or personal property, nor any exclusive privileges, nor does it authorize any injury to private property nor any invasion of personal rights, nor any infringement of Federal, *State* or local laws or regulations; nor does it obviate the necessity of obtaining the assent of any other jurisdiction as required by law for the authorized *discharge*. Owners or Operators must obtain any applicable conveyances, easements, licenses and/or access to real property prior to commencing *discharges* authorized by this SPDES general permit.

## 12. Severability

The provisions of this permit are severable, and if any provision of this permit, or the application of any provision of this permit to any circumstance, is held invalid, the application of such provision to other circumstances, and the remainder of this permit shall not be impaired or affected thereby.

## 13. Requiring an Individual Permit or an Alternative General Permit

The *Department* may require any person authorized by this general permit to apply for and/or obtain either an *individual SPDES permit* or an alternative *SPDES* general permit in accordance with 6 NYCRR Part 750-1.21(e).

- a. The *Department* may require any *owner or operator* authorized by this permit to apply for and/or obtain either an *individual SPDES permit* or another *SPDES* general permit. When the *Department* requires any *discharger* authorized by a general permit to apply for an *individual SPDES permit*, it shall notify the *discharger* in writing that a permit application is required. This notice shall include a brief statement of the reasons for this decision, an application form, a statement setting a time frame for the *owner or operator* to file the application for an *individual SPDES permit*, and a deadline, not sooner than 180 days from *owner or operator* receipt of the notification letter, whereby the authorization to *discharge* under this general permit shall be terminated. Applications must be submitted to the appropriate Permit Administrator at the Regional Office. The *Department* may grant additional time upon demonstration, to the satisfaction of the *Department*, that additional time to apply for an alternative authorization is necessary or where the *Department* has not provided a permit determination in accordance with Part 621 of this Title.
- b. When an *individual SPDES permit* is issued to a *discharger* authorized to *discharge* under a general *SPDES* permit for the same *discharge(s)*, the general permit authorization for *outfalls* authorized under the *individual SPDES permit* is automatically terminated on the effective date of the individual permit unless termination is earlier in accordance with 6 NYCRR Part 750.

## 14. State/Environmental Laws

- a. Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the *owner or operator* from any responsibilities, liabilities, or penalties established pursuant to any applicable *State* law or regulation under authority preserved by section 510 of the Clean Water Act.
- b. No condition of this permit shall release the *owner or operator* from any responsibility or requirements under other environmental statutes or regulations.
- c. Nothing in this *SPDES* general permit relieves the Owner or Operator from the requirement to obtain any other permits required by law.
- d. Coverage under this *SPDES* permit does not supersede, revoke or rescind an order on consent or modification of the order or any of the terms, conditions or requirements contained in such order or modification unless specifically intended by the order or a newly issued order.

## 15. Proper Operation and Maintenance

The *owner or operator* shall at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used by the *owner or operator* to achieve compliance with the conditions of this permit and with the requirements of *stormwater* pollution prevention plans. Proper operation and maintenance also includes adequate laboratory controls and appropriate quality assurance procedures. Proper operation and maintenance requires the operation of backup or auxiliary facilities or similar systems installed by an *owner or operator* only when necessary to achieve compliance with the conditions of the permit.

## 16. Inspection and Entry

The *owner or operator* shall allow an authorized representative of either the *Department* or EPA or, in the case of a facility which *discharges* through a *municipal separate storm sewer system*, an authorized representative of the municipal operator of the separate storm sewer receiving the *discharge*, upon the presentation of credentials and other documents as may be required by law, to:

- a. Enter upon the *owner or operators* premises where a regulated facility or activity is located or conducted or where records must be kept under the conditions of this permit;
- b. Have access to and copy at reasonable times, any records that must be kept under the conditions of this permit, including required to be maintained for the purposes of operation and maintenance:
- c. Inspect at reasonable times any facilities or equipment (including monitoring and control equipment), practice or operations regulated or required under the permit; and
- d. Sample or monitor, at reasonable times, for the purposes of assuring permit compliance or as otherwise authorized the CWA or the ECL, any substance or parameters at any location.

## 17. Definitions

Definitions are included in Appendix A of this permit. Additional definitions are provided within the Part VII industrial sectors for terms that are specific to those industries.

## 18. Reopener Clause

- a. If there is evidence indicating potential or realized impacts on water quality due to any *stormwater discharge associated with industrial activity* covered by this permit, the *owner or operator* of such *discharge* may be required to obtain an individual permit or an alternative general permit in accordance with Appendix H.13 of this permit or the permit may be modified to include different limitations and/or requirements.
- b. Permit modification, suspension, or revocation will be conducted according to 6 NYCRR Part 621 and 6 NYCRR 750-1.18 and 750-1.20.