



**OFFICE OF ENVIRONMENTAL SERVICES**  
**Water Discharge Permit**

MASTER GENERAL PERMIT NUMBER LAR050000  
MULTI-SECTOR GENERAL PERMIT FOR STORM WATER DISCHARGES ASSOCIATED WITH  
INDUSTRIAL ACTIVITIES  
AI NUMBER 86163 / PER20220001

Pursuant to the Clean Water Act, as amended, (33 U.S.C. 1251 et seq.), and the Louisiana Environmental Quality Act, as amended (La.R.S.30:2001 et seq.), rules and regulations effective or promulgated under the authority of said Acts, this Louisiana Pollutant Discharge Elimination System (LPDES) Permit is reissued. Operators of discharges associated with industrial activities that submit a complete Notice of Intent in accordance with Part 2.2 for a discharge that is located in the state of Louisiana and are eligible for permit coverage under Part 1.2 are authorized to discharge to waters of the State, in accordance with the conditions and requirements set forth herein.

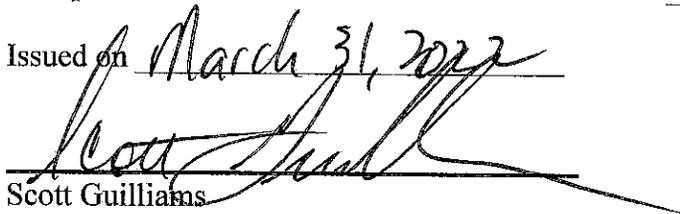
**This permit and authorization to discharge were effective on October 27, 2021, and shall expire five (5) years from the effective date of the permit**

This permit modification shall become effective on

April 1, 2022

Issued on

March 31, 2022

  
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Scott Guilliams  
Administrator

**LPDES MULTI-SECTOR GENERAL PERMIT FOR STORM WATER DISCHARGES  
ASSOCIATED WITH INDUSTRIAL ACTIVITIES  
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## **PART 1: COVERAGE UNDER THIS PERMIT**

### **1.1. Applicability**

This Multi-Sector General Permit (MSGP) authorizes discharges of storm water within the state of Louisiana from industrial facilities as defined in LAC 33:IX.2511.B.14.a-i and k. Any permittee with individual permit coverage may submit the MSGP Notice of Intent (NOI) form and request termination of the individual permit if the permitted source or activity is eligible for MSGP coverage. Upon approval by this Office, the permittee will be notified of coverage by this general permit and termination of individual permit coverage.

### **1.2. Eligibility**

Facilities eligible for coverage under this permit must have discharges composed entirely of storm water associated with industrial activity from the facility's primary industrial activity and co-located industrial activity(ies), as defined in Part 7, provided that these industrial activities are included in Table 1, or the facilities must be notified of permit eligibility by the Louisiana Department of Environmental Quality (LDEQ). For facilities where a primary SIC code cannot be identified due to multiple types of operations: if 50% of operations fall under one or more of the SIC codes listed in Table 1, the facility is eligible for coverage under this permit. Any discharges that are not compliant with the eligibility conditions of this permit are not authorized by the permit.

### **1.3. Facilities Covered**

This permit is limited to storm water discharges associated with the sectors of industrial activities based upon the Standard Industrial Classification (SIC) codes and Industrial Activity Codes summarized in Table 1, as well as, any discharge the LDEQ identifies as appropriate for permit coverage that is not listed in this table. Authorization for the discharge of these storm waters must be obtained under this permit or by equivalent coverage under another Louisiana Pollutant Discharge Elimination System (LPDES) permit (e.g., an individual LPDES permit).

**Table 1. Sectors of Industrial Activity Covered by This Permit**

SIC Code or Activity Code <sup>1</sup>	Activity Represented
<b>SECTOR A: TIMBER PRODUCTS</b>	
2421	General Sawmills and Planing Mills
2491	Wood Preserving
2411	Log Storage and Handling (Wet deck storage areas only authorized if no chemical additives are used in the spray water or applied to the logs)
2426	Hardwood Dimension and Flooring Mills
2429	Special Product Sawmills, Not Elsewhere Classified
2431-2439, (except 2434)	Millwork, Veneer, Plywood, and Structural Wood (see Sector W)
2441	Nailed and Lock Corner Wood Boxes and Shook
2448	Wood Pallets and Skids
2449	Wood Containers, Not Elsewhere Classified
2451,2452	Wood Buildings and Mobile Homes
2493	Reconstituted Wood Products
2499	Wood Products, Not Elsewhere Classified
<b>SECTOR B: PAPER AND ALLIED PRODUCTS</b>	
2611	Pulp Mills
2621	Paper Mills
2631	Paperboard Mills
2652-2657	Paperboard Containers and Boxes
2671-2679	Converted Paper and Paperboard Products, Except Containers and Boxes
<b>SECTOR C: CHEMICALS 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; and 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, Facilities that Make Fertilizer Solely from Leather Scraps and Leather Dust
2891-2899	Miscellaneous Chemical Products
2911	Petroleum Refining
3952 (limited to list of inks and paints)	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>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 Nonmetallic 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 Ore and Mining Dressing Facilities
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: COAL MINES AND COAL MINING RELATED FACILITIES</b>	
1221-1241	Coal Mines and Coal Mining-Related Facilities
<b>SECTOR I: OIL AND GAS EXTRACTION</b>	
1311	Crude Petroleum and Natural Gas
1321	Natural Gas Liquids
1381-1389	Oil and Gas Field Services
<b>SECTOR J: MINERAL MINING AND DRESSING</b>	
1411	Dimension Stone
1422-1429	Crushed and Broken Stone, Including Rip Rap
1442	Construction Sand and Gravel
1446	Industrial Sand
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 Facilities, including those that are operating under interim status or a permit under subtitle C of RCRA
<b>SECTOR L: LANDFILLS AND LAND APPLICATION SITES<sup>1</sup></b>	
LF	All Industrial Landfill, Land Application Sites, and Open Dumps
LF	All Industrial Landfill, Land Application Sites, and Open Dumps, except Municipal Solid Waste Landfill (MSWLF) Areas Closed in Accordance with 40 CFR 258.60
<b>SECTOR M: AUTOMOBILE SALVAGE YARDS</b>	
5015	Automobile Salvage Yards
<b>SECTOR N: SCRAP RECYCLING FACILITIES</b>	
5093	Scrap Recycling and Waste Recycling Facilities except Source-Separated Recycling
5093	Source-separated Recycling Facilities
<b>SECTOR O: STEAM ELECTRIC GENERATING FACILITIES</b>	
SE	Steam Electric Generating Facilities, including coal handling sites
<b>SECTOR P: LAND TRANSPORTATION AND WAREHOUSING</b>	
4011,4013	Railroad Transportation
4111-4173	Local and Highway Passenger Transportation
4212-4231	Motor Freight Transportation and Warehousing
4311	United States Postal Service
5171	Petroleum Bulk Stations and Terminals
<b>SECTOR Q: WATER TRANSPORTATION</b>	
4412-4499	Water Transportation Facilities
<b>SECTOR R: SHIP AND BOAT BUILDING AND REPAIRING YARDS</b>	
3731,3732	Ship and Boat Building or Repairing Yards
<b>SECTOR S: AIR TRANSPORTATION</b>	
4512-4581	Air Transportation Facilities
<b>SECTOR T: TREATMENT WORKS</b>	
TW	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 land dedicated to the disposal of sewage sludge that are located within the confines of the facility, with a design flow of 1.0

<sup>1</sup> Municipal Solid Waste Landfills (MSWLs) that *do not* accept industrial waste are not eligible for coverage under this permit. MSWLs that accept both municipal and industrial waste are eligible for coverage.

	MGD or more, or required to have an approved pretreatment program under 40 CFR Part 403 or LAC 33:IX Chapter 61. Not included are farm lands, domestic gardens or lands used for sludge management where sludge is beneficially reused and which are not physically located in the confines of the facility, or areas that are in compliance with section 405 of the CWA.
<b>SECTOR U: FOOD AND KINDRED PRODUCTS</b>	
2011-2015	Meat Products
2021-2026	Dairy Products
2032-2038	Canned, Frozen and Preserved Fruits, Vegetables and Food Specialties
2041-2048	Grain Mill Products
2051-2053	Bakery Products
2061-2068	Sugar and Confectionery Products
2074-2079	Fats and Oils Products
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	Leather and Leather Products (NOTE: see Sector Z for Leather Tanning and Finishing)
<b>SECTOR W: FURNITURE AND FIXTURES</b>	
2511-2599	Furniture and Fixtures
2434	Wood Kitchen Cabinets
<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 Hoses 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 as specified in Sector C)	Pens, Pencils, and Other Artists' Materials
3961,3965	Costume Jewelry, Costume Novelties, Buttons, and Miscellaneous Notions, Except Precious Metal

3991-3999	Miscellaneous Manufacturing Industries
<b>SECTOR Z: LEATHER TANNING AND FINISHING</b>	
3111	Leather Tanning and Finishing
<b>SECTOR AA: FABRICATED METAL PRODUCTS</b>	
3411-3499	Fabricated Metal Products, Except Machinery, and Transportation Equipment, and Coating, Engraving, and Allied Services
3911-3915	Jewelry, Silverware, and Plated Ware
3479	Fabricated Metal Coating and Engraving
<b>SECTOR AB: TRANSPORTATION EQUIPMENT, INDUSTRIAL OR COMMERCIAL MACHINERY</b>	
3511-3599 (except 3571-3579)	Industrial and Commercial Machinery (except Computer and Office Equipment) [see Sector AC]
3711-3799 (except 3731,3732)	Transportation Equipment (except Ship and Boat Building and Repairing) [see Sector R]
<b>SECTOR AC: ELECTRONIC, ELECTRICAL EQUIPMENT AND COMPONENTS, PHOTOGRAPHIC AND OPTICAL GOODS</b>	
3612-3699	Electronic and Electrical Equipment and Components, except Computer Equipment
3812-3873	Measuring, Analyzing, and Controlling Instruments; Photographic and Optical Goods, Watches and Clocks
3571-3579	Computer and Office Equipment

Note: A complete list of SIC codes can be obtained from the U. S. Department of Labor website at <https://www.osha.gov/pls/imis/sicsearch.html> or in paper form from various locations in the document titled *Handbook of Standard Industrial Classifications*, Office of Management and Budget, 1987.

**1.4. Discharges NOT Covered by the Multi-Sector General Permit**

- a) At wood preserving facilities, storm water that has come in contact with areas sprayed with chemical formulations designed to provide surface protection.
- b) Non-storm water discharges containing inks, paints, or substances (hazardous, nonhazardous, etc.) resulting from an on-site spill, including materials collected in drip pans and wash waters from material handling and processing areas and from rinsing and cleaning of drums, tanks, or containers.
- c) Storm water from gypsum piles at phosphate fertilizer manufacturing facilities.
- d) At metals mining operations: acid drainage and contaminated springs or seeps discharging from waste rock dumps that do not directly result from precipitation events.
- e) Discharges from pollutant seeps or underground drainage from inactive coal mines and refuse disposal areas that do not result from precipitation events and discharges from floor drains in maintenance buildings and other similar drains in mining and preparation plant areas.
- f) Mine dewatering wastewaters at crushed stone mines, construction sand and gravel mines, and industrial sand mines.
- g) Storm water discharges from active metal mining facilities that are subject to effluent limitation guidelines for the Ore Mining and Dressing Point Source Category (LAC 33:IX.4903 – 40 Code of Federal Regulations (CFR) Part 440).

- h) Cell dewatering wastewaters from active uncapped cells at hazardous waste treatment, storage, or disposal facilities.
- i) Cell dewatering wastewaters from active uncapped cells at landfills, land application sites, and open dumps.
- j) Leachate, gas collection condensate, drained free liquids, contaminated ground water, laboratory-derived wastewater, and wash water from the exteriors and surface areas of trucks and railcars that have come in direct contact with solid waste at a landfill facility.
- k) Non-storm water discharges from turnings containment areas. Discharges from containment areas in the absence of a storm event are prohibited unless covered by a separate LPDES permit.
- l) Storm water discharges from ancillary facilities (e.g., fleet centers, gas turbine stations, and substations) that are not contiguous to a steam electric power generating facility, gas turbine facilities (provided the facility is not a dual-fuel facility that includes a steam boiler), combined-cycle facilities where no supplemental fuel oil is burned, and cogeneration (combined heat and power) facilities utilizing a gas turbine.
- m) Discharges of bilge and ballast water, sanitary wastes, pressure wash water, and cooling water originating from vessels.
- n) Aircraft, ground vehicle, runway, and equipment wash waters and dry weather discharges of deicing/anti-icing chemicals.
- o) Discharges containing boiler blowdown, cooling tower overflow and blowdown, ammonia refrigeration purging, and vehicle washing/clean-out operations.
- p) Wastewaters resulting from wet processing or from any processes related to the production process, reused or recycled water, and waters used in cooling towers.
- q) Contaminated storm water discharges from petroleum refining or drilling operations, including those that manufacture asphalt or asphalt products, subject to nationally established effluent limitation guidelines found at 40 CFR Parts 419 and 435, respectively. (Note: Most contaminated discharges at petroleum refining and drilling facilities are subject to these effluent guidelines.)
- r) Non-storm water discharges from oil and gas extraction and refining facilities resulting from vehicles and equipment wash water, including tank cleaning operations.
- s) Storm water discharges subject to the effluent limitation guidelines for the Coal Mining Point Source Category (40 CFR Part 434).
- t) Hazardous or non-biodegradable asphalt releasers or diesel fuel discharged to the ground or to surface waters or that have come in contact with storm water runoff. Use of these releasing agents or diesel fuel as an asphalt releaser in dump truck beds or on moving parts at the asphalt plant is prohibited unless the releaser or diesel fuel is captured and contained.
- u) For facilities covered under Sector U, storm water discharges identified under Part 1.7 from industrial plant yards and material handling sites; sites used for application or disposal of process wastewaters and storage and maintenance of material handling equipment; refuse sites; shipping and receiving areas; manufacturing buildings; and storage areas for raw material and intermediate and finished products. This includes areas where industrial activity has taken place in the past and significant materials remain. Material handling activities include the storage, loading/unloading, and transportation or conveyance of any raw material, by-product, or intermediate, finished, or waste products.
- v) For facilities covered under Sector P, discharges of vehicle/equipment/surface wash water, including tank cleaning operations.
- w) Storm water discharges subject to effluent limitation guidelines for the Organic Chemical, Plastics, and Synthetic Fibers Point Source Category (40 CFR Part 414).

## **1.5. Discharges Covered**

### **1.5.1. Allowable Storm Water Discharges**

Subject to the terms and conditions of this permit, the following discharges are authorized by this permit:

- a) storm water runoff associated with industrial activities as defined in LAC 33:IX.2511.B.14.a-i and k from the sectors of industry described in Table 1 except for discharges specifically prohibited in Part 1.4;
- b) non-storm water discharges as noted in Part 1.5.2 or otherwise specifically allowed by the permit;
- c) storm water discharges subject to an effluent guideline listed in Table 3 that also meet all other eligibility requirements of the permit. Interim coverage is also available for discharges subject to a new storm water effluent limitation guideline promulgated after the effective date of this permit;
- d) any otherwise authorized discharge that is commingled with a discharge authorized by a different LPDES permit. Discharges not required to obtain an LPDES permit may also be commingled with discharges authorized by this permit;

### **1.5.2. Allowable Non-Storm Water Discharges**

Subject to the terms and conditions of this permit, the following discharges are authorized by this permit:

- a) emergency/unplanned discharges from fire-fighting activities;
- b) fire hydrant flushings or testing of fire suppression equipment with no added chemicals (i.e. potable water or surface water);
- c) potable water, including water line flushings using potable water;
- d) uncontaminated condensate from air conditioners, coolers/chillers, and other compressors and from the outside storage of refrigerated gases or liquids (such as the discharge of thawed condensate from the surface of liquid nitrogen tanks stored outdoors);
- e) irrigation drainage, provided all pesticides, herbicides, and fertilizer have been applied in accordance with the approved labeling;
- f) landscape watering, provided all pesticides, herbicides, and fertilizer have been applied in accordance with the approved labeling;
- g) pavement wash waters, provided that detergents or hazardous cleaning products are not used (e.g., bleach, hydrofluoric acid, muriatic acid, sodium hydroxide, nonylphenols), and the wash waters do not come into contact with oil and grease deposits, sources of pollutants associated with industrial activities (see Part 4.3.3), or any other toxic or hazardous materials, unless residues are first cleaned up using dry clean-up methods (e.g., applying absorbent materials and sweeping, using hydrophobic mops/rags) and appropriate control measures have been implemented to minimize discharges of mobilized solids and other pollutants (e.g., filtration, detention, settlement);
- h) external building/structure washdown/power wash water that does not use detergents or hazardous cleaning products (e.g., those containing bleach, hydrofluoric acid, muriatic acid, sodium hydroxide, nonylphenols) and you have implemented appropriate control measures to minimize discharges of mobilized solids and other pollutants (e.g., filtration, detention, settlement);

- i) uncontaminated ground water or spring water;
- j) foundation or footing drains where flows are not contaminated with process materials such as solvents;
- k) incidental wind-blown mist from cooling towers that collects on rooftops or adjacent portions of the facility, but NOT intentional discharges from the cooling tower (e.g., “piped” cooling tower blowdown or drains);
- l) any allowable non-storm water discharge listed above in this Part 1.5.2 or any storm water discharge listed in 1.5.1 mixed with a discharge authorized by a different LPDES permit and/or a discharge that does not require LPDES permit authorization;
- m) for facilities covered under Sector A, discharges from the spray down of lumber and wood product storage yards where no chemical additives are used in the spray-down waters and no chemicals are applied to the wood during storage, provided the non-storm water component of the discharge is in compliance with the non-numeric effluent limits requirements in Part 3.1;
- n) for facilities covered under Sectors G, H, and J: The following non-storm water discharges are only authorized for earth-disturbing activities conducted prior to active mining activities, provided that, with the exception of water used to control dust, these discharges are not routed to areas of exposed soil and all discharges comply with the permit’s effluent limits.
  - i. Water used to wash vehicles and equipment, provided that there is no discharge of soaps, solvents, or detergents used for such purposes;
  - ii. Water used to control dust; and
  - iii. Dewatering water that has been treated by an appropriate control.
- o) for facilities covered under Sectors G, H, and J: Once the earth-disturbing activities conducted prior to active mining activities have ceased, the only authorized non-storm water discharges for Sectors G, H, and J are those listed in Part 1.5.2 a-m.

### **1.6. Co-located Activities**

A facility with on-site co-located industrial activities described in any sector excluding that of the facility’s primary sector is required to comply with all other applicable conditions specific to the sector(s) found in Parts 3 and 6. The extra sector-specific requirements are applied only to those areas of the facility where the extra-sector activities occur. An activity is not considered co-located if, when considered separately, it does not meet the description of an industrial activity category covered by the storm water regulations and is not identified by the SIC codes listed in Table 1. For example, a facility where simple maintenance of vehicles used at the site is unlikely to meet the description of a motor freight transportation facility (SIC code group 42) unless that facility’s truck fleet hauls substantial amounts of freight or materials or provides trucking service to outsiders. The runoff from the vehicle maintenance facility would likely still be considered storm water associated with industrial activity, and it would have to be addressed in the facility’s Storm Water Pollution Prevention Plan (SWPPP). Commingled runoff from co-located activities must be monitored in accordance with the requirements of all applicable sectors regardless of the actual discharge location.

### **1.7. Limitations on Coverage**

Discharges of non-storm water, other than those specifically authorized in Part 1.5.2, are not authorized by this MSGP and must either be eliminated or covered under another LPDES permit.

#### **1.7.1. Discharges Mixed with Non-Storm Water**

Storm water discharges that are mixed with sources of non-storm water are not covered by this permit. This excludes the allowable non-storm water discharges identified in Part 1.5.2 that meet the conditions of Part 4.3.4 and non-storm water discharges covered under a separate LPDES permit.

#### **1.7.2. Storm Water Discharges Associated with Construction Activity**

Storm water discharges associated with construction activity as defined in LAC 33:IX.2511.B.14.j or LAC 33:IX.2511.B.15 are not covered by this permit.

#### **1.7.3. Discharges Currently or Previously Covered by Another Permit**

The following storm water discharges associated with industrial activity are not covered by this permit:

- a) discharges covered within five years prior to the effective date of this permit by an individual or alternative LPDES general permit where that permit established site-specific numeric water quality-based limitations developed for the storm water component of the discharge **if those limitations were more stringent than the benchmark limits or numeric limitations contained in this permit**; or
- b) discharges from facilities where any LPDES permit has been or is in the process of being denied, terminated, or revoked by the LDEQ (other than in a replacement permit issuance process). Upon request, the LDEQ may waive this exclusion if a different owner/operator becomes responsible for the facility operation and new circumstances at the facility justify a waiver.
- c) discharges associated with industrial activity currently covered under an individual LPDES permit or an alternative LPDES general permit.

#### **1.7.4. Discharges Subject to Effluent Limitations Guidelines**

Discharges subject to any effluent limitation guideline not included in this permit are not authorized by this permit.

#### **1.7.5. Discharge Compliance with Water Quality Standards**

The discharge must be controlled as necessary to meet applicable water quality standards. The LDEQ expects that compliance with the other conditions in this permit will control discharges as necessary to meet applicable water quality standards. The discharges must not cause or contribute to an exceedance of a water quality standard. Where a discharge is already authorized under this permit and is later determined to cause or contribute to exceedance of a water quality standard, the Department will notify the permittee of such exceedance(s). All necessary corrective actions must be taken to ensure future discharges do not cause or contribute to the exceedance of a water quality standard and document these actions in the SWPPP. If exceedances remain or reoccur, then coverage under this permit may be terminated by this Office, and an alternative general permit or individual permit may be issued. Compliance with this requirement does not preclude any enforcement activity as provided by law for the exceedance.

The permittee must select, install, implement and maintain control measures at the facility that minimize pollutants in the discharge as necessary to meet applicable water quality standards. In general, except in the situations explained below, the SWPPP developed, implemented, and updated consistent with Part 4 is considered as stringent as necessary to ensure that the discharges do not cause or contribute to an excursion above any applicable water quality standard.

At any time after authorization the LDEQ may determine that the facility's storm water discharges may cause, have reasonable potential to cause, or contribute to an excursion above any applicable water quality standard. If such a determination is made the LDEQ will require the permittee to:

- a) Develop a supplemental BMP action plan describing SWPPP modifications in accordance with Part 4.5 to adequately address the identified water quality concerns;
- b) Submit valid and verifiable data and information representative of ambient conditions and indicate that the receiving water is attaining water quality standards; or
- c) Cease discharges of pollutants from industrial activities and submit an individual permit application according to Part 1.7.5.

#### **1.7.6. Discharges that are not Protective of Endangered and Threatened Species**

*For facilities applying separately or solely for MSGP authorization:* Coverage under this permit is available only if the storm water discharges, allowable non-storm water discharges, and storm water discharge-related activities will not adversely affect any species that are federally-listed as endangered or threatened (“listed”) under the Endangered Species Act (ESA) and will not result in the adverse modification or destruction of habitat that is federally-designated as “critical habitat” under the ESA. The permittee must follow the procedures in Addendum A and meet one of the five eligibility criteria (A through E) described in the addendum prior to submitting a NOI for coverage under this permit. **Previously permitted operators are expected to review ESA requirements upon reissuance of this general permit and conduct another ESA analysis.**

*For facilities applying for MSGP coverage through authorization under another LPDES permit (such as the Light Commercial General Permit) for additional non-MSGP covered discharges:* Eligibility in terms of the Endangered Species Act (ESA) requirements shall be determined concurrently for both permits in accordance with established procedures based on the current Memorandum of Agreement (MOA) between the LDEQ and the U.S. Fish and Wildlife Service. The procedures in Addendum A are substantially similar to the ESA requirements contained in other general permits; permit applicants do not need to duplicate the ESA requirements that were completed during the application process for another LPDES permit for non-MSGP covered discharges.

Compliance with any applicable terms, conditions, or other requirements developed in the process of meeting the eligibility criteria in this section is required to maintain eligibility under the MSGP.

#### **1.7.7. Historic Properties Preservation**

Eligibility for coverage under this permit is contingent upon compliance with the National Historic Preservation Act. Coverage under this permit is available only if the facility’s storm water discharges, allowable non-storm water discharges, and storm water discharge-related activities meet one of the eligibility criteria found in the procedures in Addendum B.

Compliance with any applicable terms, conditions, or other requirements developed in the process of meeting the eligibility criteria in this section is required to maintain eligibility under the MSGP.

#### **1.7.8. Storm Water Discharges to Water Quality Impaired Waters**

All dischargers are required to control their discharges as necessary to meet applicable water quality standards. The provisions under this section apply specifically to facilities that discharge or may potentially discharge pollutants that cause or contribute to the water quality impairment(s).

The facility is considered a discharger to an impaired water body if the first named water body of the state to which the facility discharges is specifically identified by the LDEQ on the most recently EPA-approved Integrated Report (IR) list as not meeting an applicable water quality standard or is included in a LDEQ or EPA-approved total maximum daily load (TMDL). For discharges that enter a municipal

separate storm sewer system (MS4) prior to discharge, the first water of the U.S. to which the facility discharges is the water body that receives the storm water discharge from the MS4.

The LDEQ Integrated Report can be found at: <https://www.deq.louisiana.gov/page/louisiana-water-quality-integrated-report>. New dischargers should review the list to determine if their facility will discharge to an impaired water body. The list, which is periodically updated, should be periodically reviewed by existing dischargers to keep informed of any changes and the establishment of TMDLs for listed impairments.

a) **Discharges to Impaired Waters Without an Approved or Established TMDL**

If storm water runoff from a facility flows into a basin subsegment that is listed on the most recently EPA-approved Integrated Report as a Category 5 (Category 5 indicates an impaired water body for which a TMDL has not yet been developed), then the SWPPP must address the impairments. The SWPPP must include documentation of how the storm water control measures (SCMs) and other controls implemented in the SWPPP will control and minimize the discharge of any pollutant(s) of concern for discharges into a receiving water body on the Clean Water Act (CWA) 303(d) list of impaired waters.

In accordance with Part 3.2.6 of this permit, the LDEQ may require additional monitoring of suspected pollutants for the purposes of establishing whether or not the facility and/or industrial storm water discharges are a source of impairment.

b) **Discharges to Impaired Waters With an Approved or Established TMDL**

If a TMDL has been approved for a water body, the permittee must comply with any additional monitoring, requirements, or assumptions of the TMDL. The control measures must be sufficient to control the discharge of pollutants from the facility effectively enough to meet the in stream water quality criteria and to protect the designated uses of the receiving stream and to comply with any waste load allocation (WLA) assigned to the facility.

**[NOTE: Consult the latest edition of the Louisiana Water Quality Management Plan, which is available on the LDEQ website at: <https://www.deq.louisiana.gov/page/water-quality-management> to determine if a WLA for the facility's discharges has been included in a TMDL that is issued after the effective date of this permit.]**

If an approved or established TMDL specifies a general WLA applicable to industrial storm water discharges but it does not identify specific requirements for industrial sites, the operator's adherence to a SWPPP that meets the permit requirements will be consistent with the approved TMDL. If an approved or established TMDL does not specify a WLA applicable to industrial storm water discharges but it does not specifically exclude these discharges, the operator's adherence to a SWPPP that meets the permit requirements will generally be assumed to be consistent with the approved TMDL. If the approved or established TMDL specifically precludes such discharges, the operator is not eligible for coverage under this permit.

c) **New Discharges to an Impaired Water**

New sources are not eligible for permit coverage unless one of the following requirements is met:

- i. Prevent all exposure to storm water of the pollutant(s) for which the water body is impaired, and retain documentation of procedures taken to prevent exposure on-site with the SWPPP.
- ii. Provide the appropriate documentation with the NOI, supporting the claim that the pollutant(s) for which the water body is impaired is not present at the site, and retain such documentation with the SWPPP.

- iii. Provide the appropriate documentation with the NOI, either data or technical specifications and control measures, to support a conclusion that the discharge is expected to meet applicable water quality standards, and retain such information with the SWPPP.

#### **1.7.9. Storm Water Discharges Subject to Antidegradation Water Quality Standards**

Discharges that do not comply with Louisiana's antidegradation policy and implementation plan for water quality standards and protection of existing and designated uses, as defined in LAC 33:IX.1109.A and 1119 are not authorized.

#### **1.7.10. Permit Compliance**

Failure to comply with any of the permit requirements constitutes a violation of the Louisiana Environmental Quality Act (LEQA). As detailed in Permit Part 3.3, failure to take any required corrective actions constitutes a violation of this permit and the LEQA. Any actions and time period specified for remedying noncompliance do not absolve parties of the initial underlying noncompliance. However, where corrective action is triggered by an event that does not itself constitute permit noncompliance, such as an exceedance of an applicable benchmark, there is no permit violation if the required corrective action is taken within the relevant deadlines established in Part 3.3.

#### **1.7.11. Discharges Notified of Permit Ineligibility**

Unless otherwise specified by the Agency, a facility is not authorized for discharges after it has been notified that it is not eligible for coverage by this permit.

### **1.8. Obtaining Authorization**

To obtain authorization under this permit, one must:

- a) meet the Part 1.2 eligibility requirements; and
- b) select, design, install, and implement control measures in accordance with Part 4 to meet numeric and non-numeric effluent limits; and
- c) develop a SWPPP according to the requirements in Part 4; and
- d) submit an accurate and complete NOI form (Form MSGP-G) for a facility in which all of its discharges are eligible for MSGP coverage only in accordance with the requirements of Part 1.5. Any new operator at a facility, including those who replace an operator who previously obtained permit coverage, must submit an NOI to obtain coverage; **or**
- e) submit an approved NOI/application which covers all discharges and meets the MSGP requirements in Part 2.2 (Parts 2.2.(b) regarding sectors and 2.2.(c) regarding the SWPPP are not applicable) for a facility which requires permit coverage for other discharges in addition to those covered by the MSGP; MSGP authorization will be granted concurrently with authorization by another LPDES permit (such as the Light Commercial General Permit) which covers the non-MSGP discharges. In these cases, the time frame for preparation of the Part 4 SWPPP shall be defined in the other LPDES permit. After all applicable requirements for LPDES permit transfer are met (LAC 33:IX.2901), MSGP permit authorization may be transferred upon transfer of the LPDES permit which covers the non-MSGP discharges. The recipient of the permit transfer is required to comply with all MSGP requirements, including SWPPPs, monitoring requirements, and numeric limitations in permit Parts 3 and 4, immediately upon the effective date of transfer.

Unless otherwise notified, a facility that submits an **accurate and fully completed** NOI is authorized to discharge under the terms and conditions of this permit 30 days after the receipt of a hand-delivered NOI by the Office of Environmental Services, Water Permits Division, 30 days after the postmark date on the envelope that contains the correctly completed NOI, or 30 days after receipt of an electronic NOI. At the time of permit issuance, e-NOIs are under development. Should e-NOIs become available for use during the term of this permit the LDEQ may suspend the use of paper NOIs. Authorization to

discharge is not automatically granted if the NOI is incomplete or the discharge is not eligible for MSGP coverage. The LDEQ may deny a facility MSGP coverage and require it to submit an application for an individual LPDES permit based upon review of the NOI or other information (see Part 8.3). It is suggested that planned facilities get confirmation of permit eligibility prior to beginning construction.

This re-issued permit replaces the LPDES MSGP issued May 9, 2016. In accordance with the provisions of LAC 33:IX.2515.B.2.f and 40 CFR 122.28(b)(2)(vi), those permittees currently authorized under the 2016 permit are automatically covered under this re-issued permit upon written notification from the LDEQ. Permittees must take the necessary actions to comply with all conditions of the reissued permit, including updating the SWPPP to incorporate any new/changed requirements in Part 4 of this reissued permit within **30 days of receiving notification of coverage**.

The LDEQ will accept late NOIs but authorization to discharge will not be retroactive.

### 1.9. Terminating Coverage

To terminate permit coverage, the permittee must submit a complete and accurate Notice of Termination (NOT) form (Form MSGP-T) which may be obtained from the LDEQ website at: <https://www.deq.louisiana.gov/page/lpdes-permit-termination-forms>. Should electronic or online termination forms become available for use during the term of this permit, the LDEQ may suspend the use of paper NOTs. The permittee is responsible for meeting the terms of this permit until authorization is terminated. Authorization to discharge under the permit terminates at midnight on the day the NOT is signed and mailed. The NOT is valid if it is submitted within thirty (30) days after one or more of the following conditions have been met:

- a) responsibility for the facility has been assumed by a new owner/operator; or
- b) operations have ceased at the facility and the facility no longer has storm water discharges associated with industrial activity; or
- c) applicable termination requirements have been met by the facility if it is in Sector G, H, or J; or
- d) individual or alternative general permit coverage has been obtained for all discharges requiring LPDES permit coverage, either as required by the LDEQ or the permittee petitioned the LDEQ requesting alternative permit coverage.

Note: Submittal of a NOT is not required by any facility that qualifies for the no exposure exclusion or that has coverage by an alternate LPDES permit for all of its storm water discharges associated with industrial activity. The applicability of the MSGP is automatically terminated on the effective date of coverage by the alternate permit.

### 1.10. Transfer of Permit Coverage

**MSGP coverage is not transferrable** except as specified in Part 1.8.e for permittees covered by the Light Commercial General Permit. A new owner/operator that has taken responsibility for the facility from the previous owner/operator (e.g., facility sold to a new company) must obtain MSGP coverage by filing a completed NOI in accordance with Part 1.8 at least 2 days prior to taking operational control of the facility. The previous owner/operator with the facility's MSGP coverage must file a completed NOT either simultaneously or following acceptance of operational control by the new owner/operator. Failure to file an NOT will result in duplicate permit coverage. In the case of a NOT submitted due to an ownership change, the MSGP terminates on the date that the permittee is no longer responsible for operational control of the facility.

Facilities that undergo a company or facility name change **not due to an ownership change** must submit a completed Notification of Change Form (NOC-1) that can be found at: <https://www.deq.louisiana.gov/page/lpdes-water-permits>.

#### **1.11. Conditional Exclusion for No Exposure**

The conditional no exposure exclusion is applicable to categories of industrial activities listed in Table 1 with no exposure of industrial materials and operations to storm water. All facilities that are eligible for MSGP coverage and qualify for the “no exposure” exclusion from LPDES storm water permitting in accordance with LAC 33:IX.2511.G, may submit a complete and accurate No Exposure Certification form (Form NOEXP) to the LDEQ to obtain exclusion from this general permit. The form is found on the LDEQ website at <https://www.deq.louisiana.gov/page/expedited-permit-program>. If a condition of no exposure is satisfied, then the facility no longer requires storm water general permit coverage, and submittal of a NOT is not required. The exclusion is available on a facility-wide basis only, not for individual outfalls, and remains effective for 5 years from the time of submittal, as long as the condition of no exposure exists at the facility. Facilities that satisfy the condition of no exposure criteria must submit an accurately completed no exposure certification form to the LDEQ once every 5 years to be excluded from coverage by the current MSGP.

#### **1.12. Coverage Under Subsequent Permits**

This permit expires five years after the effective date. Should this permit expire before it is reissued, this Office will administratively extend the permit to discharge, for permittees that were covered prior to the expiration, until such time that coverage under a reissued permit is obtained. Upon notification of reissuance or replacement of this permit, the permittee must comply with the requirements for obtaining coverage under the new permit to maintain authorization to discharge.

## PART 2: NOTICE OF INTENT REQUIREMENTS

### 2.1. Deadlines for Notification

Submittal of only one NOI is needed per owner/operator to cover all the facility’s activities, provided that the facility’s SWPPP covers each area for which the prospective permittee is the owner/operator covers. Submittal of an NOI after the dates provided in Table 2 is not prohibited. If a late NOI is submitted, the facility’s authorization is only for discharges that occur after permit coverage is granted. This Office reserves the right to take appropriate enforcement actions for any unpermitted discharges.

**Table 2. Deadlines for NOI Submittal**

Category	Deadline
1. Existing discharges covered under the 2016 MSGP (See also Part 2.1.1 below.)	No reapplication required.
2. New discharges (It is suggested that, for planned facilities, eligibility be confirmed prior to beginning construction.)	Thirty (30) days prior to commencing operation of the facility with discharges of storm water associated with industrial activity.
3. New owner/operators of existing discharges	Thirty (30) days prior to taking operational control of the facility.
4. Continued coverage when the permit expires in 2026	See Part 1.12

#### 2.1.1. Previously Covered Facilities Ineligible For the Reissuance MSGP

If a facility that was previously covered by the 2016 MSGP does not meet the eligibility requirements of this reissued permit, the facility may be authorized under the reissued permit for no longer than 270 days from the permit’s effective date. Application for an alternative permit shall be submitted within 60 days following the effective date of the reissued MSGP.

#### 2.1.2. Newly-Covered Oil and Gas Facilities

After this MSGP is finalized, oil and gas facilities, which subsequently meet the requirements for coverage by having a later discharge of a reportable quantity (RQ) of oil or a hazardous substance for which notification is required pursuant to either 40 CFR 110.6, 40 CFR 117.21, or 40 CFR 302.6, shall submit an NOI for permit coverage within 14 calendar days after learning of the release. Within 60 calendar days after learning of the release they shall also prepare and implement the SWPPP as required in Part 4, and, during this interim period, the operator shall take all appropriate measures to limit the discharge of pollutants in the facility’s storm water.

### 2.2. Contents of Notice of Intent

In accordance with Part 1.8.d, applicants seeking coverage under this permit shall submit the latest version of the LPDES NOI (Form MSGP-G) which can be found on the LDEQ’s website at: <https://www.deq.louisiana.gov/page/lpdes-water-permits>. The NOI, which must be accurately completed, includes, at a minimum, the following information:

- a) legal name, mailing address, email address, phone number, and operator status of applicant or permittee (e.g., company, corporation, etc.);

- b) facility name, address or location, zip code, parish, front gate latitude and longitude, four-digit standard industrial classification (SIC) code(s) or two-letter activity code(s), and sector(s) of industrial activity as designated in Table 1;
- c) indication of whether SWPPP has been prepared;
- d) first named receiving water body of discharge and, if applicable, name of MS4 if discharge enters a MS4 first;
- e) information indicating whether facility is located on Indian lands and facility's proximity to both designated critical habitat or listed proposed threatened or endangered species and any historic properties on or eligible for listing on the National Register of Historic Places, including whether the State Historic Preservation Officer (SHPO) participated in the determination of permit eligibility;
- f) information specific to company or owner regarding existence of other federal or state environmental permits identical or similar to this MSGP and any outstanding fees or final penalties owed to the LDEQ and, if applicable, an indication of company as a corporation or limited liability company;
- g) facility diagram with labeled location of front gate/entrance, all buildings, each storage area identified as covered/uncovered, and, if applicable, all outfalls and other monitoring locations and a topographic map indicating storm water route from facility to nearest first named water body;
- h) signatory page that has been dated and signed by applicant/permittee or authorized responsible representative as described in Part 2.3 who certifies the following:

*"I certify under penalty of law that I have read and understand the Part 1.2 eligibility requirements for coverage under the multi-sector storm water general permit including those requirements relating to the protection of endangered or threatened species or critical habitat. To the best of my knowledge, the storm water and allowable non-storm water discharge authorized by this permit (and discharge related activities) are not likely and will not likely adversely affect endangered or threatened species or critical habitat, or are otherwise eligible for and coverage under Part 1.7.6 of the permit. To the best of my knowledge, I further certify that such discharges and discharge-related activities do not have an effect on properties listed or eligible for listing on the National Register of Historic Places under the National Historic Preservation Act, or are otherwise eligible for coverage under Part 1.7.7 of the permit. I understand that continued coverage under the multi-sector storm water general permit is contingent upon maintaining eligibility as provided for in Part 1.2. "*

### **2.3. Signatory Requirements**

All NOIs, NOTs, SWPPPs, reports, certifications, or information that must either be submitted to the LDEQ or the MS4 operator or maintained by the permittee must be signed as follows, in accordance with LAC 33:IX.2503.A:

- a) *For a corporation:* by a responsible corporate officer. For the purpose of this Part, a responsible corporate officer means: 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 the manager of one or more manufacturing, production or operating facilities, provided: the manager is authorized to make management decisions that 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 ensure 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 the authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures.

**NOTE:** The LDEQ does not require specific assignments or delegations of authority to responsible corporate officers identified in Part 2.3.a. The LDEQ will presume that these responsible corporate officers have the requisite authority to sign permit applications unless the corporation has notified the LDEQ to the contrary. Corporate procedures governing authority to sign applications may provide for assignment or delegation to applicable corporate positions under Part 2.3.a rather than to specific individuals.

- b) *For a partnership or sole proprietorship:* by a general partner or the proprietor, respectively; or
- c) *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., Base Commander for a military base).

All reports required by this permit and other information requested by the LDEQ or authorized representative shall be signed by a person described above or by a duly authorized representative of that person (LAC 33:IX.2503.B). A person is a duly authorized representative only if:

- a) the authorization is made in writing by a person described above in 2.3.a - c
- b) the authorization specifies either an individual or a position having responsibility for the overall operation of the regulated facility or activity such as the position of plant manager, operator, superintendent, 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), and
- c) the written authorization is submitted to the LDEQ.

#### 2.4. Where to Submit

The completed NOI must be signed in accordance with Part 2.3 and submitted to:

**Mailing Address:**

Louisiana Department of Environmental Quality  
Office of Environmental Services  
Water Permits Division  
P. O. Box 4313  
Baton Rouge, LA 70821-4313

**Physical Address (if NOI is hand-delivered):**

Louisiana Department of Environmental Quality  
Office of Environmental Services  
Water Permits Division  
602 North Fifth Street  
Baton Rouge, LA 70802

Should electronic NOIs become available during the permit term, submission of a paper NOI may no longer be required.

**2.5. Additional Notification to MS4 Operators**

In accordance with the deadlines listed in Table 2, a signed copy of the NOI must be submitted to the MS4 operator by facilities that have storm water discharges associated with industrial activity entering a regulated MS4 or a MS4 that has been designated by the LDEQ.

## **PART 3: BEST MANAGEMENT PRACTICES, LIMITATIONS, AND MONITORING REQUIREMENTS**

### **3.1. Best Management Practices**

Best Management Practices (BMPs) are primarily the factors the permittee considers when attempting to prevent pollutants from leaving the facility via storm water exposed to industrial activities. All facilities must comply with the BMPs in Parts 3.1.1 through 3.1.11, which are considered part of every facility's SWPPP unless the SWPPP includes adequate justification or data indicating the reason the specific BMP does not apply to the facility or its storm water discharges.

#### **3.1.1. Minimize Exposure**

The practices below constitute non-numeric, technology-based effluent limitations (BPT/BAT/BCT). The permittee must minimize the exposure of manufacturing, processing, and material storage areas (including loading and unloading, storage, disposal, cleaning, maintenance, and fueling operations) to rain, snow, snowmelt, and runoff by either locating these industrial materials and activities inside or protecting them with storm resistant coverings (although significant enlargement of impervious surface area is not recommended). In minimizing exposure, particular attention should be paid to the following:

- use grading, berming, or curbing to prevent runoff of contaminated flows and divert run-on away from these areas;
- locate materials, equipment, and activities so that potential 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);
- clean up spills and leaks promptly using dry methods (e.g., absorbents) to prevent the discharge of pollutants;
- use drip pans and absorbents under or around leaky vehicles and equipment or store indoors where feasible;
- use spill/overflow protection equipment;
- drain fluids from equipment and vehicles prior to on-site storage or disposal and inspect at least monthly for leaks;
- 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 wash water drains to a proper collection system (i.e., not the storm water drainage system).

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

**Note:** Industrial materials do not need to be enclosed or covered if storm water runoff from affected areas will not be discharged to receiving waters or if discharges are authorized under another LPDES permit.

#### **3.1.2. Good Housekeeping**

The permittee must keep clean all exposed areas that are potential sources of pollutants, using such measures as sweeping at regular intervals, keeping materials orderly and labeled, and storing materials in appropriate containers, keeping all dumpster lids closed when not in use (For dumpster and roll off boxes that do not have lids, ensure that discharges have a control such as secondary containment or

treatment if leaks present or are in imminent danger of occurring. Note: This permit does not authorize dry weather discharges from dumpsters or roll off boxes.) Measures must also include a schedule for pickup and disposal of garbage, waste materials, and floatable debris and routine inspections for leaks and conditions of drums, tanks, and containers. Common problem areas include loading docks, the area around trash containers and storage areas.

### **3.1.3. Maintenance**

The permittee must regularly inspect, test, maintain, and repair all industrial equipment and systems to avoid situations that may result in leaks, spills, and other releases of pollutants in storm water discharged to receiving waters. The permittee must maintain all control measures that are used to achieve the effluent limits required by this permit in effective operating condition. Non-structural control measures must also be diligently maintained (e.g., spill response supplies available, personnel appropriately trained). If the permittee finds that control measures need to be replaced or repaired, the permittee must make the necessary repairs or modifications as expeditiously as practicable.

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

The permittee must minimize the potential for leaks, spills and other releases that may be exposed to storm water and develop plans for effective response to such spills if or when they occur. At a minimum, the permittee must implement the following:

- Procedures for plainly labeling containers (e.g., “Used Oil,” “Spent Solvents,” “Fertilizers and Pesticides,” etc.) that could be susceptible to spillage or leakage to encourage proper handling and facilitate rapid response if spills or leaks occur;
- Preventative measures such as, barriers between material storage and traffic areas, secondary containment provisions, and procedures for material storage and handling;
- Develop training on the procedures for expeditiously stopping, containing, and cleaning up leaks, spills, and other releases. Employees who may cause, detect, or respond to a spill or leak must be trained in these procedures and have necessary spill response equipment available. If possible, one of these individuals should be a member of the storm water pollution prevention team (see Part 4.3.1);
- Keep spill kits on-site, located near areas where spills may occur or where a rapid response can be made; and
- Procedures for notification of appropriate facility personnel, emergency response agencies, and regulatory agencies. Where a leak, spill, or other release containing a hazardous substance or oil in an amount equal to or in excess of a RQ established under either 40 CFR Part 110, 40 CFR Part 117, or 40 CFR Part 302, occurs during a 24-hour period, the permittee must notify the National Response Center (NRC) at (800) 424-8802 or, in the Washington, DC, metropolitan area, call (202) 267-2675 in accordance with the requirements of 40 CFR Part 110, 40 CFR Part 117, and 40 CFR Part 302 as soon as the permittee has knowledge of the discharge. State or local requirements may necessitate reporting spills or discharges to local emergency response, public health, or drinking water supply agencies. Contact information must be in locations that are readily accessible and available.

### **3.1.5. Erosion and Sediment Controls**

The permittee must stabilize exposed areas and contain runoff using structural and/or non-structural control measures to minimize on-site erosion and sedimentation and the resulting discharge of pollutants. Flow velocity dissipation devices must be placed at discharge locations and within outfall channels where necessary to reduce erosion and/or settlement of pollutants. Any polymers and/or other chemicals used and the purpose must be identified in the SWPPP. In selecting, designing, installing,

and implementing appropriate control measures, the permittee is encouraged to consult with the EPA's internet-based resources relating to BMPs for erosion and sedimentation, including the sector-specific *Industrial Storm water Fact Sheet Series*, (<https://www.epa.gov/npdes/industrial-stormwater-fact-sheet-series>), *Stormwater Discharges from Construction Activities* (<https://www.epa.gov/npdes/stormwater-discharges-construction-activities#swppp>), *National Menu of Best Management Practices (BMPs) for Stormwater* (<https://www.epa.gov/npdes/national-menu-best-management-practices-bmps-stormwater#post>), and *National Management Measures to Control Nonpoint Source Pollution from Urban Areas* (<https://www.epa.gov/nps/urban-runoff-national-management-measures>), and any similar State or Tribal publications.

### **3.1.6. Management of Runoff**

The permittee should divert, infiltrate, reuse, contain, or otherwise reduce storm water runoff, to minimize pollutants in the facility's discharges. In selecting, designing, installing, and implementing appropriate control measures, the permittee is encouraged to consult with the EPA's internet-based resources relating to BMPs for erosion and sedimentation, including the sector-specific *Industrial Storm water Fact Sheet Series*, (<https://www.epa.gov/npdes/industrial-stormwater-fact-sheet-series>), *National Menu of Best Management Practices (BMPs) for Stormwater* (<https://www.epa.gov/npdes/national-menu-best-management-practices-bmps-stormwater#post>), and *National Management Measures to Control Nonpoint Source Pollution from Urban Areas* (<https://www.epa.gov/nps/urban-runoff-national-management-measures>), and any similar State or Tribal publications.

There shall be no discharge of floating solids or visible foam except in trace amounts, oil or oily materials, nor toxic materials in quantities that are toxic to aquatic organisms. There shall be no visible sheen or stains attributable to this discharge.

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

Enclosure or coverage of salt or salt-containing piles used for de-icing or other commercial or industrial purposes, including maintenance of paved surfaces, is required. Appropriate measures (e.g., good housekeeping, diversions, containment) must be implemented to minimize exposure resulting from adding to or removing materials from the pile. Enclosure or coverage of piles is not needed if storm water runoff from the piles is not discharged or is authorized under another LPDES permit.

### **3.1.8. Employee Training**

All employees who work in areas where industrial materials or activities are exposed to storm water or who are responsible for implementing activities necessary to meet the conditions of this permit (e.g., inspectors, maintenance personnel, all members of the Pollution Prevention Team) must be trained. Training must cover an overview of the SWPPP; spill response procedures, good housekeeping, maintenance requirements, and material management practices; the facility's emergency procedures (if applicable); specific control measures used to achieve the effluent limits specified in this part of the permit; and the monitoring, inspection, planning, reporting, and documentation requirements in other parts of the permit. The EPA recommends training be conducted at least annually (or more often if employee turnover is high).

### **3.1.9. Non-Storm Water Discharges**

Non-storm water discharges that are not authorized by an LPDES permit must be eliminated. See Part 1.5.2 for a list of allowable non-storm water discharges authorized by this permit.

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

The permittee must intercept or keep exposed areas free of waste, garbage, and floatable debris to ensure that these materials are not discharged to receiving waters.

### **3.1.11. Dust Generation and Vehicle-Tracking of Industrial Materials**

Minimization of dust generation and off-site tracking of raw, final, or waste materials or sediments, including tracking or blowing of these materials from no exposure areas to exposed areas, is required.

## **3.2. Numeric Effluent Limitations and Benchmark Monitoring**

### **3.2.1. State Specific Limitations**

Any runoff leaving the permitted site exceeding 50 mg/L Total Organic Carbon (TOC), 15 mg/l Oil and Grease, or having a pH less than 6.0 or greater than 9.0 standard units shall be a violation of this permit. Unless specified in Table 3, regular monitoring of these parameters is not required. Permittees must ensure the SWPPP will assure compliance with these effluent limitations.

### **3.2.2. Numeric Limitations based on Effluent Limitations Guidelines**

Permittees subject to one of the Effluent Limitation Guidelines identified in Table 3 must conduct monitoring at all outfalls for each parameter on an annual basis (January 1 to December 31), for the entire term of the permit. Annual monitoring requirements will begin in the first full quarter after the facility's date of initial authorization or after notification of reauthorization by the LDEQ.

### **3.2.3. Parameter Benchmark Monitoring**

All facilities with sector-specific benchmark monitoring concentration values are required to conduct monitoring and sampling of storm water at each outfall as specified in Table 3, unless an exception applies (See Part 3.2.7). The benchmark concentrations are not effluent limitations; a benchmark exceedance, therefore, is not a permit violation. Benchmark monitoring data are to be used primarily by the facility staff to determine the overall effectiveness of BMPs and control measures in preventing or minimizing controlling the discharge of pollutants to the environment and to indicate when corrective action(s) may be necessary or possible alternative coverage by an individual or a different general permit.

#### **3.2.3.1. Monitoring Period**

Benchmark monitoring shall be conducted quarterly in years 2 and 4 of the permit, years 2022 and 2024, respectively. The annual monitoring period is from January 1 to December 31. The monitoring quarters are January 1 to March 31; April 1 to June 30; July 1 to September 30; and October 1 to December 31. If the facility's permit coverage was effective less than one month from the end of the quarterly or yearly monitoring period, the first monitoring period starts with the following quarter.

### **3.2.4. Monitoring Procedures**

Samples and measurements taken as required shall be representative of the volume and nature of the monitored discharge. Storm water must be sampled according to requirements below. If the permittee is unable to collect a sample during the monitoring period, the reason must be documented and included in the facility's SWPPP. Samples that are not collected due to no measurable rain event must be reported on a discharge monitoring report (DMR) as "No Discharge" in accordance with the reporting requirements in Part 5.5.

#### **3.2.4.1. Measurable Storm Events**

All required monitoring must be performed on a storm event that results in an actual discharge from the site ("measurable storm event") that follows the preceding measurable storm event by at least 72

hours (3 days). The 72-hour (3-day) storm interval does not apply if the permittee is able to document that less than a 72-hour (3-day) interval is representative for local storm events during the sampling period. In the case of snowmelt, the permittee must conduct monitoring at a time when a measurable discharge occurs.

For each monitoring event, except snowmelt monitoring, the permittee must identify the date and duration (in hours) of the rainfall event, rainfall total (in inches) for that rainfall event, and time (in days) since the previous measurable storm event.

#### **3.2.4.2. Sample Type**

Assessment of sampling requirements must be done on an outfall by outfall basis, and samples must be collected and analyzed in accordance with the requirements in 3.2.4.1. A minimum of one grab sample must be taken from a discharge resulting from a measurable storm event as described in Part 3.2.4.1. Samples must be collected within the first 30 minutes of a measurable storm event. If it is not possible to do so within this time frame, the sample must be collected as soon as practicable after the first 30 minutes, and documentation of the explanation regarding why it was not possible to take samples within the first 30 minutes must be kept with the SWPPP.

#### **3.2.4.3. Commingled Discharges**

To the extent practicable, any required sampling of discharges authorized by this permit must be performed at a point before they mix with unauthorized discharges consisting of other waste streams.

#### **3.2.5. Quarterly Visual Monitoring**

The permittee must collect and conduct a visual assessment of a storm water sample from each outfall once per quarter for the entire permit term. The samples should be representative of the storm water discharge, yet it is not required that the sample collection procedures be consistent with those in 40 CFR Part 136.

##### **3.2.5.1. Visual Monitoring Procedures**

Visual assessment must be made of a sample in a clean, clear glass or plastic container and examined in a well-lit area:

- On samples collected within the first 30 minutes of an actual discharge from a storm event. If it is not possible to collect the sample within the first 30 minutes of discharge, the sample must be collected as soon as practicable after the first 30 minutes, and the permittee must document why it was not possible to take samples within the first 30 minutes. In the case of snowmelt, samples must be taken during a period with a measurable discharge from the site; and
- For storm events, on discharges that occur at least 72 hours (3 days) from the previous discharge. The 72-hour (3-day) storm interval does not apply if it is documented that less than a 72-hour (3-day) interval is representative for local storm events during the sampling period.

The sample must be visually inspected for the following water quality characteristics:

- color,
- odor,
- clarity,
- floating solids,
- settled solids,
- suspended solids,
- foam,

- oil sheen,
- other obvious indicators of storm water pollution

### **3.2.5.2. Visual Monitoring Documentation**

Visual assessment results must be documented and maintained on-site with the SWPPP. Submittal of these results to the LDEQ is required upon request only. At a minimum, documentation of the visual assessment must include:

- Sample location(s)
- Dates and times of both sample collection and visual assessment for each sample;
- Personnel collecting the sample and performing visual assessment and their signature;
- Nature of the discharge (i.e., runoff or snowmelt);
- Results of storm water discharge observations;
- Probable sources of any observed storm water contamination;
- Reason for samples not being taken within the first 30 minutes.

Any corrective action required as a result of a quarterly visual assessment must be performed consistent with Part 3.3 of this permit.

### **3.2.6. Other Monitoring Required by the Agency**

The LDEQ may provide written notice to any facility (including those exempt from the monitoring requirements per Part 3.5 or facilities with no applicable benchmark parameters or effluent limitations) requiring discharge sampling for specific parameter(s). Any such notice will briefly state the reasons for the monitoring, parameter(s) to be monitored, frequency and period of monitoring, sample types, and reporting requirements.

### **3.2.7. Exceptions to Monitoring**

#### **3.2.7.1. Substantially Identical Outfalls**

If the facility has two (2) or more outfalls that the permittee has determined discharges substantially identical effluents, based on similarities of the general industrial activities and control measures, exposed materials that may significantly contribute pollutants to storm water, and runoff coefficients of their drainage areas, then the effluent of one of those outfalls may be monitored and the results can be reported as representative of the those applicable outfall(s) that discharge substantially identical effluents. **This exemption applies to benchmark and quarterly visual monitoring only, not effluent limitation guidelines monitoring.** As required in Part 4.3.8.2., the SWPPP must identify each outfall authorized by this permit and describe the rationale for any substantially identical outfall determinations.

#### **3.2.7.2. Adverse Weather Conditions**

Adverse weather conditions are dangerous conditions that may cause inaccessibility issues for personnel due to local flooding, high winds, or electrical storms, or they may make sampling impractical, as in cases of drought or extended frozen conditions. When adverse weather conditions prevent the collection of benchmark samples during the quarter, documentation of the rationale of no visual assessment for that quarter must be included with the SWPPP records, a DMR indicating the failure to monitor must be filed during the regular reporting period, and a substitute benchmark sample must be taken during the next qualifying storm event.

### **3.2.7.3. Climates with Irregular Storm Water Runoff**

If a facility is located in an area where limited rainfall occurs during many parts of the year (e.g., arid or semi-arid climate) or where freezing conditions prevent the occurrence of extended periods of runoff, then samples for the quarterly visual assessments may be distributed during seasons of precipitation. However, the required number of samples during each monitoring period must still be collected.

### **3.2.7.4. Areas Subject to Snow**

In areas subject to snow, at least one quarterly visual assessment must capture snowmelt discharge, taking into account the exception described above for climates with irregular storm water runoff.

### **3.2.7.5. Inactive and Unstaffed Sites**

The monitoring requirements do not apply at a facility that is inactive and unstaffed, as long as there are no industrial materials or activities exposed to storm water. To invoke this exception, a statement must be maintained in the SWPPP indicating that the site is inactive and unstaffed and that there are no industrial materials or activities exposed to precipitation in accordance with the substantive requirements in 40 CFR 122.26(g)(4)(iii) and LAC 33:IX.2511.G.4.c. The statement must be signed and certified in accordance with Part 2.3. If circumstances change and industrial materials or activities become exposed to storm water or the facility becomes active and/or staffed, this exception no longer applies and all applicable monitoring must be resumed immediately.

Inactive and unstaffed facilities covered under Sectors G (Metal Mining), H (Coal Mines and Coal Mining-Related Facilities), and J (Non-Metallic Mineral Mining and Dressing), are not required to meet the “no industrial materials or activities exposed to storm water” standard to be eligible for this exception quarterly visual assessment, consistent with the definitions of Inactive Coal Mining Facility, Inactive Metal Mining Facility, and Inactive Mineral Mining in Part 7 of this permit.

### **3.2.7.6. Year 4 Benchmark Monitoring Waiver**

Waivers from benchmark monitoring are available to facilities whose discharges are below benchmark values during Year 2. Thus, there is an incentive for facilities to improve the effectiveness of their SWPPPs in eliminating discharges of pollutants and avoid the cost of monitoring.

After collection of 4 quarterly samples from a particular storm water outfall during Year 2, if the average of the 4 monitoring values for any parameter in that sample does not exceed the benchmark, the monitoring requirements for that parameter (for that particular outfall) have been fulfilled for the permit term. For averaging purposes, use a value of zero for any individual sample parameter which is determined to be less than the method detection limit. For sample values that fall between the method detection level and the quantitation limit (i.e., a confirmed detection but below the level that can be reliably quantified), use a value halfway between zero and the quantitation limit.

### **3.2.7.7. Other Sampling Waiver**

The permittee may make a written sampling waiver request for a benchmark parameter in Table 3 if that is applicable to the facility. The Department must be provided with adequate justification or data indicating why the assigned characteristic is not present at levels that would adversely affect the environment (e.g. a parameter-specific no exposure). The request and justification must be signed and certified in accordance with Part 2.3. The Department will review the request and all available information and a written decision will be provided in writing. This section is not applicable to effluent limitations.

### **3.3. Corrective Actions – Data Exceeding Benchmark Values**

After collection of 4 quarterly samples, if the average of the 4 monitoring values for any parameter exceeds the benchmark, the permittee must review the selection, design, installation, and implementation of the control measures to determine if modifications are necessary to meet the effluent limits in this permit, and either:

- make the necessary modifications and continue quarterly monitoring until 4 consecutive quarters of monitoring for which the average concentration of the pollutant does not exceed the benchmark have been completed; or
- make a determination that no further pollutant reductions are technologically available and economically practicable and achievable in light of best industry practices and notify the LDEQ of this determination in the next benchmark monitoring report. The permittee must also document the rationale for concluding that no further pollutant reductions are achievable, and retain all records related to this document with the SWPPP.

If an exceedance of the 4 quarter average is mathematically certain, the permittee must review the control measures and initiate any required corrective action (or document why no corrective action is required), without waiting for the full 4 quarters of monitoring data. If after modifying the control measures and conducting 4 additional quarters of monitoring, the average still exceeds the benchmark (or if an exceedance of the benchmark by the 4 quarter average is mathematically certain prior to conducting the full 4 additional quarters of monitoring), the control measures must be reviewed again and one of the other two actions listed above must be taken.

If the event triggering corrective action is linked to an outfall that represents other substantially identical outfalls, the permittee's review must assess the need for corrective action for each outfall represented by the outfall that triggered the review. Any necessary changes to control measures that affect these other outfalls must also be made before the next storm event if possible, or as soon as practicable following that storm event.

### **3.4. Natural Background Pollutant Levels Causing a Benchmark Exceedance**

Following the first 4 quarters of benchmark monitoring (or sooner if the exceedance is triggered by less than 4 quarters of data, see above), if the average concentration of a pollutant exceeds a benchmark value, and the permittee determines that exceedances of the benchmark is attributable solely to the presence of that pollutant in the natural background, performance of corrective action or additional benchmark monitoring is not required if:

- The average concentration of the benchmark monitoring results is less than or equal to the concentration of that pollutant in the natural background;
- The SWPPP includes documentation maintained that supports rationale for concluding that benchmark exceedances attributable solely to natural background pollutant levels. The supporting rationale must include in any data previously collected by the permittee or others, including literature studies, that describe the levels of natural background pollutants in the facility's storm water discharge; and
- Documentation is attached to the facility's quarterly benchmark DMRs that the benchmark exceedances are attributable solely to natural background pollutant levels.

Natural background pollutants include those substances that are naturally occurring in soils or groundwater. This natural background exception could apply to parameters such as metals derived from natural mineral deposits and nutrients attributable to background soil, vegetation, or wildlife sources. Facilities must use the same sample collection, preservation, and analysis methods for natural background monitoring as required for benchmark monitoring.

The permittee can claim this exception if (1) natural background pollutant concentrations are greater than the corresponding benchmark value, and (2) there is no net facility contribution of the pollutant (i.e., average concentration detected in runoff from all facility outfalls required to be monitored under the permit for 4 separate monitoring events minus the average natural concentration of the parameter for 4 separate monitoring events does not exceed zero). For example, if a facility determines that the natural background concentration of TSS from an undisturbed watershed is 200 mg/L, they can claim an exemption from further benchmark monitoring if the average of their four benchmark samples is equal to or lower than 200 mg/L. In this example, if the average of their four benchmark samples is greater than 200 mg/L, the facility could not claim an exemption. The monitoring performed to determine the natural background concentration of a pollutant must be conducted concurrently with the facility's regular quarterly benchmark monitoring and the samples must be collected from a non-human impacted reference site upstream of the facility or a non-human impacted reference site in a comparable stream within the same watershed. The sample should be taken in the thalweg (the lowest point of the stream bed) of a flowing stream or mid-stream at a depth of 1 m or mid-depth (if total depth is less than 1 m). The LDEQ should be consulted when determining the location of reference sites.

The permittee must document the basis for concluding that benchmark exceedances are attributable solely to natural background pollutant levels. This explanation must include any data previously collected by the facility staff or others that describe the levels of natural background pollutants in the facility's receiving waters. The permittee must notify the LDEQ in writing when submitting its monitoring data that it is claiming the exception for natural background pollutant levels and provide a summary of the natural background conditions that justify the exception. The full justification for the exception must be kept on-site with the facility's SWPPP and supporting documents and records, and made available to the LDEQ on request.

The LDEQ may review a permittee's determination that a benchmark exceedance is based solely on natural background concentrations, and disallow the exception if it finds the documentation inadequate.

If background concentrations are not responsible for the benchmark exceedances, the facility must review its control measures and take further action where necessary, per Part 3.3. Natural background pollutants do not include legacy pollutants from earlier activity on your site, or pollutants in run-on from neighboring sources which are not naturally occurring.

### **3.5. Corrective Actions – Data Exceeding Effluent Limitations**

If an exceedance of an effluent limitation occurs, the permittee must review the control measures and initiate any required corrective action within 30 days. Corrective actions must be documented in the SWPPP. Follow-up monitoring, which is required only at the outfall where the exceedance occurred, must be conducted within 30 calendar days (or during the next qualifying runoff event, should none occur within 30 days) of implementing corrective action(s) taken. If follow-up monitoring exceeds the applicable effluent limitation, quarterly monitoring must continue until the discharge is in compliance with the effluent limit. All exceedances of numeric limitations must be reported to the Office of Environmental Compliance, Enforcement Division, in accordance with Part 8, Section D of the permit.

### **3.6. Sufficiently Sensitive Methods**

In accordance with 40 CFR 122.44(i)(1)(iv), the permittee is required to use the most sufficiently sensitive method necessary to prove compliance with the effluent limitations. Further, be advised that all effluent testing shall be conducted utilizing EPA approved methods from laboratories accredited to conduct the required analyses.

**For Limited Parameters:**

For a given parameter, if the MQL prescribed by the permit is less than the permit limitation, any EPA-approved method with a method detection level (MDL) which is equal to or less than this MQL may be utilized. In this scenario, if an individual analytical result is below the MQL, the permittee may report “0” on a discharge monitoring report (DMR).

Where the MQL prescribed by the permit is greater than the permit limitation, the permittee shall use a sufficiently sensitive EPA-approved method capable of yielding a quantifiable result which proves compliance with the limitation. If a sufficiently sensitive method is available with an MDL equal to or less than the permit limit, and the individual analytical result is less than the MDL, the permittee may report “0” on a DMR. However, some instances may occur where there is no sufficiently sensitive EPA-approved method which will yield a quantifiable result equal to or less than the permit limitation. In these cases, the permittee must submit supporting documentation indicating that they used the most sensitive method available. In this scenario, if an individual analytical result is not detectable at the MDL of the method used, the permittee must report “non-detect” on the DMR. Please note that ANY quantifiable result above the permit limitation shall be reported as an excursion.

**For Report Only Parameters:**

In accordance with 40 CFR 122.44(i)(1)(iv)(2), the permittee is required to use the most sufficiently sensitive method to quantify the presence of a pollutant. Therefore, the permittee must select a method with an MDL that is at or below the water quality criterion (if applicable) or the MQL, whichever is less. Please be advised that should a sufficiently sensitive method not be available, the permittee must submit supporting documentation stating this.

For reporting purposes, if the most sensitive method is greater than the more stringent of the MQL or the water quality criteria, and the analytical result is less than the MDL, "non-detect" shall be reported on the DMR. If the method is less than or equal to the more stringent of the MQL or water quality criteria and the analytical result is less than that value, zero (0) shall be reported on the DMR.

**Table 3. Sector-Specific Benchmark Concentrations and Numeric Limitations**

*Note: Not all SIC codes within a sector require numeric limitations and benchmark monitoring. If the permittee's SIC code is not represented in the table, no monitoring is required. No additional monitoring (beyond the quarterly visual monitoring) is required by facilities with SIC codes within Sectors P, T, V, W, X, Z, AB, and AC.*

SUB-SECTOR	PARAMETER <sup>1, 2</sup>	BENCHMARK <sup>3</sup>	EFFLUENT LIMITATION <sup>4</sup>
<b>Sector A: TIMBER PRODUCTS</b>			
General Sawmills and Planing Mills (SIC 2421)	Chemical Oxygen Demand (COD)	120 mg/L	---
	Total Suspended Solids (TSS)	100 mg/L	---
	Total Zinc (freshwater) Total Zinc (marine)	Hardness Dependent 0.09 mg/L	---
Wood Preserving (SIC 2491)	Total Arsenic (freshwater) Total Arsenic (marine)	0.15 mg/L 0.069 mg/L	---
	Total Copper (freshwater) Total Copper (marine)	Hardness Dependent 0.0048 mg/L	---
	Log Storage and Handling (SIC 2411)	Total Suspended Solids (TSS)	100 mg/L
Wet Decking Discharges at Log Storage and Handling Areas (SIC 2411) (SIC 2411; 40 CFR 429) <sup>5</sup>	pH	---	6.0 min - 9.0 max s.u.
	Debris (woody material such as bark, twigs, branches, heartwood, or sapwood)	---	No Discharge of debris that will not pass through a 2.54 cm (1") diameter round opening
Hardwood Dimension and Flooring Mills; Special Products Sawmills, not elsewhere classified; (SIC Codes 2426, 2429, 2431-2439 (except 2434), 2441, 2448, 2449, 2451, 2452, 2493, and 2499)	Chemical Oxygen Demand (COD)	120 mg/L	---
	Total Suspended Solids (TSS)	100 mg/L	---
<b>Sector B: PAPER AND ALLIED PRODUCTS MANUFACTURING</b>			
COD monitoring is only applicable to SIC Code 2631 (Paperboard Mills)	Chemical Oxygen Demand (COD)	120 mg/L	---

<sup>1</sup> Metals benchmark values, which are designated as freshwater in parentheses, are hardness dependent metals; see Table 4.

<sup>2</sup> Marine water benchmark values for metals, designated as marine in parentheses, apply to storm water discharges into marine waters where indicated. Marine waters, as defined in LAC 33:IX.1105, are surface waters with average salinities greater than or equal to 10 ppt.

<sup>3</sup> Monitor once per quarter for the benchmark monitoring Years 2 and 4. (See Part 3.2.7.6 for possible Year 4 benchmark monitoring waiver.)

<sup>4</sup> Monitor annually, once per calendar year during each year of the permit term.

<sup>5</sup> Discharges resulting from spray down or intentional wetting of logs at wet deck storage areas.

SUB-SECTOR	PARAMETER <sup>6, 7</sup>	BENCHMARK <sup>8</sup>	EFFLUENT LIMITATION <sup>9</sup>
<b>Sector C: CHEMICAL AND ALLIED PRODUCTS MANUFACTURING AND REFINING</b>			
Runoff from phosphate fertilizer manufacturing facilities that comes into contact with any raw materials, finished product, by-products or waste products (SIC 2874; 40 CFR 418)	Total Phosphorus (as P)	---	105 mg/L, daily max. 35 mg/L, monthly avg.
	Fluoride	---	75 mg/L, daily max.
			25 mg/L, monthly avg.
	Agricultural Chemicals (SIC 2873-2879)	Nitrate plus Nitrite Nitrogen	0.68 mg/L
Total Lead (freshwater)		Hardness Dependent	---
Total Lead (marine)		0.21 mg/L	---
Total Zinc (freshwater)		Hardness Dependent	---
Total Zinc (marine)		0.09 mg/L	---
Industrial Inorganic Chemicals (SIC 2812-2819)	Phosphorus	2.0 mg/L	---
	Total Aluminum	1.1 mg/L	---
Soaps, Detergents, Cosmetics, and Perfumes (SIC 2841-2844)	Nitrate plus Nitrite Nitrogen	0.68 mg/L	---
	Nitrate plus Nitrite Nitrogen	0.68 mg/L	---
	Total Zinc (freshwater)	Hardness Dependent	---
Plastics, Synthetics, and Resins (SIC 2821-2824)	Total Zinc (marine)	0.09 mg/L	---
	Total Zinc (freshwater)	Hardness Dependent	---
<b>Sector D: ASPHALT PAVING AND ROOFING MATERIALS AND LUBRICANT MANUFACTURERS</b>			
Asphalt Paving and Roofing Materials (SIC 2951, 2952)	Total Suspended Solids (TSS)	100 mg/L	---
Discharges from asphalt emulsion facilities (40 CFR 443)	TSS	---	23 mg/L, daily max.
			15 mg/L, monthly avg.
	Oil and Grease	---	15 mg/L daily max.
			10 mg/L, monthly avg.
pH	---	6.0 min - 9.0 max s.u.	

<sup>6</sup> Metals benchmark values, which are designated as freshwater in parentheses, are hardness dependent metals; see Table 4.

<sup>7</sup> Marine water benchmark values for metals, designated as marine in parentheses, apply to storm water discharges into marine waters where indicated. Marine waters, as defined in LAC 33:IX.1105, are surface waters with average salinities greater than or equal to 10 ppt.

<sup>8</sup> Monitor once per quarter for the benchmark monitoring Years 2 and 4. (See Part 3.2.7.6 for possible Year 4 benchmark monitoring waiver.)

<sup>9</sup> Monitor annually, once per calendar year during each year of the permit term.

SUB-SECTOR	PARAMETER <sup>10, 11</sup>	BENCHMARK <sup>12</sup>	EFFLUENT LIMITATION <sup>13</sup>
<b>Sector E: GLASS, CLAY, CEMENT, CONCRETE, AND GYPSUM PRODUCTS</b>			
Clay Product Manufacturers (SIC 3251-3259, 3261-3269)	Total Aluminum	1.1 mg/L	---
Concrete and Gypsum Product Manufacturers (SIC 3271-3275)	Total Suspended Solids (TSS)	100 mg/L	---
Cement Manufacturing Facility, Material Storage Runoff (40 CFR 411)	Total Suspended Solids (TSS)	---	50 mg/L, daily max
	pH	---	6.0 min - 9.0 max s.u.
<b>Sector F: PRIMARY METALS</b>			
Steel Works, Blast Furnaces, and Rolling and Finishing Mills (SIC 3312-3317)	Total Aluminum	1.1 mg/L	---
	Total Zinc (freshwater)	Hardness Dependent	---
	Total Zinc (marine)	0.09 mg/L	---
Iron and Steel Foundries (SIC 3321-3325)	Total Aluminum	1.1 mg/L	---
	Total Suspended Solids (TSS)	100 mg/L	---
	Total Copper (freshwater)	Hardness Dependent	---
	Total Copper (marine)	0.0048 mg/L	---
	Total Zinc (freshwater)	Hardness Dependent	---
	Total Zinc (marine)	0.09 mg/L	---
Rolling, Drawing, and Extruding of Non-Ferrous Metals (SIC 3351-3357)	Total Copper (freshwater)	Hardness Dependent	---
	Total Copper (marine)	0.0048 mg/L	---
	Total Zinc (freshwater)	Hardness Dependent	---
Non-Ferrous Foundries (SIC 3363-3369)	Total Zinc (marine)	0.09 mg/L	---
	Total Copper (freshwater)	Hardness Dependent	---
	Total Copper (marine)	0.0048 mg/L	---
Non-Ferrous Foundries (SIC 3363-3369)	Total Zinc (freshwater)	Hardness Dependent	---
	Total Zinc (marine)	0.09 mg/L	---
	Total Copper (freshwater)	Hardness Dependent	---
<b>Sector G: METAL MINING (ORE MINING AND DRESSING)</b>			
G1: Active Copper Ore Mining and Dressing Facilities (SIC 1021)	Chemical Oxygen Demand (COD)	120 mg/L	---

<sup>10</sup> Metals benchmark values, which are designated as freshwater in parentheses, are hardness dependent metals; see Table 4.

<sup>11</sup> Marine water benchmark values for metals, designated as marine in parentheses, apply to storm water discharges into marine waters where indicated. Marine waters, as defined in LAC 33:IX.1105, are surface waters with average salinities greater than or equal to 10 ppt.

<sup>12</sup> Monitor once per quarter for the benchmark monitoring Years 2 and 4. (See Part 3.2.7.6 for possible Year 4 benchmark monitoring waiver.)

<sup>13</sup> Monitor annually, once per calendar year during each year of the permit term.

SUB-SECTOR	PARAMETER <sup>14, 15</sup>	BENCHMARK <sup>16</sup>	EFFLUENT LIMITATION <sup>17</sup>
G1: Active Copper Ore Mining and Dressing Facilities (SIC 1021)	Total Suspended Solids (TSS)	100 mg/L	---
	Nitrate plus Nitrite Nitrogen	0.68 mg/L	---
G2: Iron Ores; Copper Ores; Lead and Zinc Ores; Gold and Silver Ores; Ferroalloy Ores Except Vanadium; and Miscellaneous Metal Ores (SIC Codes 1011, 1021, 1031, 1041, 1044, 1061, 1081, 1094, 1099) (Note: When analyzing hardness for a suite of metals, it is more cost effective to add analysis of calcium and magnesium and to have hardness calculated than it is to require hardness analysis separated.)	Total Suspended Solids (TSS)	100 mg/L	---
	Turbidity (NTUs)	50 NTU or WQC <sup>18</sup>	---
	pH	6.0 min - 9.0 max s.u.	---
	Hardness (as CaCO <sub>3</sub> ; calc. from Ca, Mg)	Report Values	---
	Antimony, Total	0.64 mg/L	---
	Total Arsenic (freshwater)	0.15 mg/L	---
	Total Arsenic (marine)	0.069 mg/L	---
	Total Beryllium	0.13 mg/L	---
	Total Cadmium (freshwater)	Hardness Dependent	---
	Total Cadmium (marine)	0.033 mg/L	---
	Total Copper (freshwater)	Hardness Dependent	---
	Total Copper (marine)	0.0048 mg/L	---
	Total Lead (freshwater)	Hardness Dependent	---
	Total Lead (marine)	0.21 mg/L	---
	Total Mercury (freshwater)	0.0014 mg/L	---
	Total Mercury (marine)	0.0018 mg/L	---
	Total Nickel (freshwater)	Hardness Dependent	---
	Total Nickel (marine)	0.074 mg/L	---
	Total Selenium [freshwater – for still/standing (lentic) waters]	0.0015 mg/L	---
	Total Selenium [freshwater – for flowing (lotic) waters]	0.0031 mg/L	
Total Selenium (marine)	0.29 mg/L	---	
Total Silver (freshwater)	Hardness Dependent	---	
Total Silver (marine)	0.0019 mg/L	---	
Total Zinc (freshwater)	Hardness Dependent	---	
Total Zinc (marine)	0.09 mg/L	---	

<sup>14</sup> Metals benchmark values, which are designated as freshwater in parentheses, are hardness dependent metals; see Table 4.

<sup>15</sup> Marine water benchmark values for metals, designated as marine in parentheses, apply to storm water discharges into marine waters where indicated. Marine waters, as defined in LAC 33:IX.1105, are surface waters with average salinities greater than or equal to 10 ppt.

<sup>16</sup> Monitor once per quarter for the benchmark monitoring Years 2 and 4. (See Part 3.2.7.6 for possible Year 4 benchmark monitoring waiver.)

<sup>17</sup> Monitor annually, once per calendar year during each year of the permit term.

<sup>18</sup> The benchmark value of 50 NTU only applies to 1) water bodies with a turbidity water quality criterion (WQC) of 50 NTU or less or, 2) water bodies without an established turbidity.

SUB-SECTOR	PARAMETER <sup>19, 20</sup>	BENCHMARK <sup>21</sup>	EFFLUENT LIMITATION <sup>22</sup>
G3: Discharges from Tungsten Ore, Nickel Ore, and Vanadium Ore Mining Facilities	Arsenic, Cadmium (H), Copper (H), Lead (H), Zinc (H)	Report Values	---
	Total Suspended Solids	Report Values	---
	pH	Report Values	---
G3: Discharges from Aluminum Ore Mining Facilities	Iron	Report Values	---
	Total Suspended Solids	Report Values	---
	pH	Report Values	---
G3: Discharges from Mercury Ore Mining Facilities	Nickel (H)	Report Values	---
	Total Suspended Solids	Report Values	---
	pH	Report Values	---
G3: Discharges from Iron Ore Mining Facilities	Iron (Dissolved)	Report Values	---
	Total Suspended Solids	Report Values	---
	pH	Report Values	---
G3: Discharges from Platinum Ore Mining Facilities	Cadmium (H), Copper (H), Mercury, Lead (H), Zinc (H)	Report Values	---
G3: Discharges from Titanium Ore Mining Facilities	Iron, Nickel (H), Zinc (H)	Report Values	---
	Total Suspended Solids	Report Values	---
	pH	Report Values	---
G3: Discharges from Molybdenum Mining Facilities	Arsenic, Cadmium (H), Copper (H), Lead (H), Mercury, Zinc (H)	Report Values	---
	Total Suspended Solids	Report Values	---
	pH	Report Values	---
G3: Discharges from Uranium, Radium, and Vanadium Ore Mining Facilities	Chemical Oxygen Demand, Arsenic, Radium (Dissolved and Total, Uranium, Zinc (H)	Report Values	---
	Total Suspended Solids	Report Values	---
	pH	Report Values	---
<b>Sector H: COAL MINES AND COAL MINING-RELATED FACILITIES</b>			
Coal Mines and Related Areas (SIC 1221-1241)	Total Aluminum	1.1 mg/L	---
	Total Suspended Solids	100 mg/L	---

<sup>19</sup> Metals benchmark values, which are designated as freshwater in parentheses, are hardness dependent metals; see Table 4.

<sup>20</sup> (H) indicates that hardness must be measured when this pollutant is measured.

<sup>21</sup> Monitor once per quarter for the benchmark monitoring Years 2 and 4. (See Part 3.2.7.6 for possible Year 4 benchmark monitoring waiver.)

<sup>22</sup> Monitor annually, once per calendar year during each year of the permit term.

SUB-SECTOR	PARAMETER <sup>23, 24</sup>	BENCHMARK <sup>25</sup>	EFFLUENT LIMITATION <sup>26</sup>
<b>Sector I: OIL AND GAS EXTRACTION</b>			
Crude Petroleum and Natural Gas; Natural Gas Liquids; Oil and Gas Field Services (SIC 1311, 1321, 1381-1389)	Ammonia	2.14 mg/L	---
	Lead (freshwater)	Hardness Dependent	---
	Lead (marine)	0.21 mg/L	---
	Nickel (freshwater)	Hardness Dependent	---
	Nickel (marine)	0.074 mg/L	---
	Nitrate plus Nitrite	0.68 mg/L	---
	Zinc (freshwater)	Hardness Dependent	---
	Zinc (marine)	0.09 mg/L	---
<b>Sector J: NON-METALLIC MINERAL MINING AND DRESSING</b>			
Mine Dewatering Discharges at Crushed Stone Mining Facilities (SIC 1422-1429)	pH	---	6.0 min - 9.0 max s.u.
Mine Dewatering Discharges at Construction Sand and Gravel Mining Facilities (SIC 1442)	pH	---	6.0 min - 9.0 max s.u.
Mine Dewatering Discharges at Industrial Sand Mining Facilities (SIC 1446) (40 CFR 436)	Total Suspended Solids (TSS)	---	25 mg/L monthly avg. 45 mg/L daily max.
	pH	---	6.0 min - 9.0 max s.u.
Sand and Gravel Mining (SIC 1442 and 1446)	Nitrate plus Nitrite Nitrogen	0.68 mg/L	---
	Total Suspended Solids (TSS)	100 mg/L	---
Dimension and Crushed Stone and Nonmetallic Minerals (except fuels) (SIC 1411, 1422-1429, 1481, 1499)	Total Suspended Solids (TSS)	100 mg/L	---

<sup>23</sup> Metals benchmark values, which are designated as freshwater in parentheses, are hardness dependent metals; see Table 4.

<sup>24</sup> Marine water benchmark values for metals, designated as marine in parentheses, apply to storm water discharges into marine waters where indicated. Marine waters, as defined in LAC 33:IX.1105, are surface waters with average salinities greater than or equal to 10 ppt.

<sup>25</sup> Monitor once per quarter for the benchmark monitoring Years 2 and 4. (See Part 3.2.7.6 for possible Year 4 benchmark monitoring waiver.)

<sup>26</sup> Monitor annually, once per calendar year during each year of the permit term.

SUB-SECTOR	PARAMETER <sup>27, 28</sup>	BENCHMARK <sup>29</sup>	EFFLUENT LIMITATION <sup>30</sup>
<b>Sector K: HAZARDOUS WASTE TREATMENT, STORAGE, OR DISPOSAL FACILITIES</b>			
ALL – Industrial Activity Code “HZ”. Benchmarks only applicable to discharges <u>not subject</u> to effluent limitations in 40 CFR Part 445 Subpart A (see footnote 41; 40 CFR Part 445 Subpart A)	Ammonia	2.14 mg/L	---
	Chemical Oxygen Demand (COD)	120 mg/L	---
	Total Arsenic (freshwater)	0.15 mg/L	---
	Total Arsenic (marine)	0.069 mg/L	---
	Total Cadmium (freshwater)	Hardness Dependent	---
	Total Cadmium (marine)	0.033 mg/L	---
	Total Cyanide (freshwater)	0.022 mg/L	---
	Total Cyanide (marine)	0.001 mg/L	---
	Total Lead (freshwater)	Hardness Dependent	---
	Total Lead (marine)	0.21 mg/L	---
	Total Mercury (freshwater)	0.0014 mg/L	---
	Total Mercury (marine)	0.0018 mg/L	---
	Total Selenium [freshwater – for still/standing (lentic) waters]	0.0015 mg/L	---
Total Selenium [freshwater – for flowing (lotic) waters]	0.0031 mg/L	---	
Total Selenium (marine)	0.29 mg/L	---	
Total Silver (freshwater)	Hardness Dependent	---	
Total Silver (marine)	0.0019 mg/L	---	

<sup>27</sup> Metals benchmark values, which are designated as freshwater in parentheses, are hardness dependent metals; see Table 4.

<sup>28</sup> Marine water benchmark values for metals, designated as marine in parentheses, apply to storm water discharges into marine waters where indicated. Marine waters, as defined in LAC 33:IX.1105, are surface waters with average salinities greater than or equal to 10 ppt.

<sup>29</sup> Monitor once per quarter for the benchmark monitoring Years 2 and 4. (See Part 3.2.7.6 for possible Year 4 benchmark monitoring waiver.)

<sup>30</sup> Monitor annually, once per calendar year during each year of the permit term.

SUB-SECTOR	PARAMETER <sup>31</sup>	BENCHMARK <sup>32</sup>	EFFLUENT LIMITATION <sup>33</sup>
Discharges from hazardous waste landfills subject to effluent limitations in 40 CFR Part 445 Subpart A (see footnote) <sup>34</sup>	Biochemical Oxygen Demand (BOD <sub>5</sub> )	---	220 mg/L, daily max
			56 mg/L, monthly avg.
	Total Suspended Solids (TSS)	---	88 mg/L, daily max
			27 mg/L, monthly avg.
	Ammonia	---	10 mg/L, daily max
			4.9 mg/L, monthly avg.
	Alpha Terpineol	---	0.042 mg/L, daily max
			0.019 mg/L, monthly avg.
	Aniline	---	0.024 mg/L, daily max
			0.015 mg/L, monthly avg.
	Benzoic Acid	---	0.119 mg/L, daily max
			0.073 mg/L, monthly avg.
	Naphthalene	---	0.059 mg/L, daily max
			0.022 mg/L, monthly avg.
	p-Cresol	---	0.024 mg/L, daily max
			0.015 mg/L, monthly avg.
	Phenol	---	0.048 mg/L, daily max
			0.029 mg/L, monthly avg.
Pyridine	---	0.072 mg/L, daily max	
		0.025 mg/L, monthly avg.	

<sup>31</sup> Metals benchmark values, which are designated as freshwater in parentheses, are hardness dependent metals; see Table 4.

<sup>32</sup> Monitor once per quarter for the benchmark monitoring Years 2 and 4. (See Part 3.2.7.6 for possible Year 4 benchmark monitoring waiver.)

<sup>33</sup> Monitor annually, once per calendar year during each year of the permit term.

<sup>34</sup> As set forth at 40 CFR Part 445 Subpart A, these numeric limitations apply to contaminated storm water 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 following facilities:

- (a) landfills operated in conjunction with other industrial or commercial operations when the landfill receives only wastes generated by the industrial or commercial operation which is directly associated with the landfill;
- (b) landfills operated in conjunction with other industrial or commercial operations when the landfill both: i) receives wastes generated by the industrial or commercial operation directly associated with the landfill and ii) also receives other wastes provided that **either** these other wastes are generated by a facility that is subject to the same provisions in LAC 33:IX.4903 (40 CFR Chapter 1, Subchapter N) as the associated industrial or commercial operation, **or** the other wastes received are of similar nature to the wastes generated by the associated industrial or commercial operation;
- (c) landfills operated in conjunction with Centralized Waste Treatment (CWT) facilities subject to LAC 33:IX.4903 (40 CFR Part 437) if 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.

SUB-SECTOR	PARAMETER <sup>35</sup>	BENCHMARK <sup>36</sup>	EFFLUENT LIMITATION <sup>37</sup>
Discharges from hazardous waste landfills subject to effluent limitations in 40 CFR Part 445 Subpart A (see footnote) <sup>38</sup>	Total Arsenic	---	1.1 mg/L, daily max 0.54 mg/L, monthly avg.
	Total Chromium	---	1.1 mg/L, daily max 0.46 mg/L, monthly avg.
	Total Zinc	---	0.535 mg/L, daily max 0.296 mg/L, monthly avg.
	pH	---	Within the range of 6.0 min - 9.0 max s.u.
	<b>Sector L: LANDFILLS AND LAND APPLICATION SITES</b>		
All Landfill and Land Application Sites (Industrial Activity Code “LF”) except those with discharges subject to effluent limitations in 40 CFR Part 445 Subpart B	Total Suspended Solids (TSS)	100 mg/L	---

<sup>35</sup> Metals benchmark values, which are designated as freshwater in parentheses, are hardness dependent metals; see Table 4.

<sup>36</sup> Monitor once per quarter for the benchmark monitoring Years 2 and 4. (See Part 3.2.7.6 for possible Year 4 benchmark monitoring waiver.)

<sup>37</sup> Monitor annually, once per calendar year during each year of the permit term.

<sup>38</sup> As set forth at 40 CFR Part 445 Subpart A, these numeric limitations apply to contaminated storm water 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 following facilities:

- (d) landfills operated in conjunction with other industrial or commercial operations when the landfill receives only wastes generated by the industrial or commercial operation which is directly associated with the landfill;
- (e) landfills operated in conjunction with other industrial or commercial operations when the landfill both: i) receives wastes generated by the industrial or commercial operation directly associated with the landfill and ii) also receives other wastes provided that **either** these other wastes are generated by a facility that is subject to the same provisions in LAC 33:IX.4903 (40 CFR Chapter 1, Subchapter N) as the associated industrial or commercial operation, **or** the other wastes received are of similar nature to the wastes generated by the associated industrial or commercial operation;
- (f) landfills operated in conjunction with Centralized Waste Treatment (CWT) facilities subject to LAC 33:IX.4903 (40 CFR Part 437) if 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.

SUB-SECTOR	PARAMETER <sup>39</sup>	BENCHMARK <sup>40</sup>	EFFLUENT LIMITATION <sup>41</sup>
Discharges from non-hazardous waste landfills subject to effluent limitations incorporated at LAC 33:IX.4903 - 40 CFR Part 445 Subpart B (Industrial Activity Code "LF") <sup>42</sup>	Biochemical Oxygen Demand (BOD <sub>5</sub> )	---	140 mg/L, daily max
			37 mg/L, monthly avg.
	Total Suspended Solids (TSS)	---	88 mg/L, daily max
			27 mg/L, monthly avg.
	Ammonia	---	10 mg/L, daily max
			4.9 mg/L, monthly avg.
	Total Zinc	---	0.20 mg/L, daily max
			0.11 mg/L, monthly avg.
	Alpha Terpineol	---	0.033 mg/L, daily max
			0.016 mg/L, monthly avg.
	Benzoic Acid	---	0.12 mg/L, daily max
			0.071 mg/L, monthly avg.

<sup>39</sup> Metals benchmark values, which are designated as freshwater in parentheses, are hardness dependent metals; see Table 4.

<sup>40</sup> Monitor once per quarter for the benchmark monitoring Years 2 and 4. (See Part 3.2.7.6 for possible Year 4 benchmark monitoring waiver.)

<sup>41</sup> Monitor annually, once per calendar year during each year of the permit term.

<sup>42</sup> As set forth at LAC 33:IX.4903 (40 CFR Part 445 Subpart B), these numeric limitations apply to contaminated storm water discharges from MSWLFs which have not been closed in accordance with 40 CFR 258.60 and to contaminated storm water discharges from those landfills which are subject to the provisions of 40 CFR Part 257 **except for discharges from any facilities described in (a) through (d) below**. Monitoring for the specified parameters is required once/year during each year of the term of the permit.

- (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 –
  - i. provided the other wastes received for disposal are generated by a facility that is subject to the same provisions in LAC 33:IX.4903 (40 CFR Chapter 1, Subchapter N) as the industrial or commercial operation; or
  - ii. that 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) facility subject to LAC 33:IX.4903 (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.

SUB-SECTOR	PARAMETER <sup>43, 44</sup>	BENCHMARK <sup>45</sup>	EFFLUENT LIMITATION <sup>46</sup>
	P-Cresol	---	0.025 mg/L, daily max
			0.014 mg/L, monthly avg.
	Phenol	---	0.026 mg/L, daily max
			0.015 mg/L, monthly avg.
	pH	---	Within the range of 6.0 min - 9.0 max s.u.
<b>Sector M: AUTOMOBILE SALVAGE YARDS</b>			
Automobile Salvage Yards (SIC 5015)	Total Suspended Solids (TSS)	100.0 mg/L	---
	Total Aluminum	1.1 mg/L	---
	Total Lead (freshwater)	Hardness Dependent	---
	Total Lead (marine)	0.21 mg/L	---
<b>Sector N: SCRAP RECYCLING AND WASTE FACILITIES</b>			
Scrap Recycling and Waste Recycling Facilities except Source-Separated Recycling (SIC 5093)	Chemical Oxygen Demand (COD)	120 mg/L	---
	Total Suspended Solids (TSS)	100 mg/L	---
	Total Recoverable Aluminum	1.1 mg/L	---
	Total Copper (freshwater)	Hardness Dependent	---
	Total Copper (marine)	0.0048 mg/L	---
	Total Lead (freshwater)	Hardness Dependent	---
	Total Lead (marine)	0.21 mg/L	---
	Total Zinc (freshwater)	Hardness Dependent	---
	Total Zinc (marine)	0.09 mg/L	---
<b>Sector O: STEAM ELECTRIC GENERATING FACILITIES</b>			
Discharges from coal storage piles at Steam Electric Generating Facilities (40 CFR 423)	Total Suspended Solids (TSS)	---	50 mg/L <sup>47</sup> , daily max
	pH	---	6.0 min – 9.0 max s.u.

<sup>43</sup> Metals benchmark values, which are designated as freshwater in parentheses, are hardness dependent metals; see Table 4.

<sup>44</sup> Marine water benchmark values for metals, designated as marine in parentheses, apply to storm water discharges into marine waters where indicated. Marine waters, as defined in LAC 33:IX.1105, are surface waters with average salinities greater than or equal to 10 ppt.

<sup>45</sup> Monitor once per quarter for the benchmark monitoring Years 2 and 4. (See Part 3.2.7.6 for possible Year 4 benchmark monitoring waiver.)

<sup>46</sup> Monitor annually, once per calendar year during each year of the permit term.

<sup>47</sup> If the 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.

SUB-SECTOR	PARAMETER <sup>48, 49</sup>	BENCHMARK <sup>50</sup>	EFFLUENT LIMITATION <sup>51</sup>
<b>Sector Q: WATER TRANSPORTATION</b>			
Water Transportation Facilities (SIC 4412-4499)	Total Aluminum	1.1 mg/L	---
	Total Lead (freshwater)	Hardness Dependent	---
	Total Lead (marine)	0.21 mg/L	---
	Total Zinc (freshwater)	Hardness Dependent	---
	Total Zinc (marine)	0.09 mg/L	---
<b>Sector R: SHIP AND BOAT BUILDING AND REPAIR YARDS</b>			
Ship and Boat Building or Repair Yards (SIC 3731, 3732)	Chromium (III)	0.57 mg/L	---
	Chromium (VI) (freshwater)	0.016 mg/L	---
	Chromium (VI) marine	0.11 mg/L	---
	Total Copper (freshwater)	Hardness Dependent	---
	Total Copper (marine)	0.0048 mg/L	---
	Total Lead (freshwater)	Hardness Dependent	---
	Total Lead (marine)	0.21 mg/L	---
	Total Nickel (freshwater)	Hardness Dependent	---
	Total Nickel (marine)	0.074 mg/L	---
	Total Zinc (freshwater)	Hardness Dependent	---
	Total Zinc (marine)	0.9 mg/L	---
<b>Sector S: AIR TRANSPORTATION</b>			
For airports where a single permittee, or a combination of permitted facilities use more than 100,000 gallons of pure glycol in glycol-based deicing chemicals and/or 100 tons or more of urea on an average annual basis, monitor the first four parameters in ONLY those outfalls that collect runoff from areas where deicing activities occur (SIC 4512-4581)	Biochemical Oxygen Demand (BOD <sub>5</sub> ) <sup>52</sup>	30 mg/L	---
	Chemical Oxygen Demand (COD) <sup>52</sup>	120 mg/L	---
	Ammonia <sup>52</sup>	2.14 mg/L	---
	pH <sup>52</sup>	6.0 – 9.0 s.u.	---

<sup>48</sup> Metals benchmark values, which are designated as freshwater in parentheses, are hardness dependent metals; see Table 4.

<sup>49</sup> Marine water benchmark values for metals, designated as marine in parentheses, apply to storm water discharges into marine waters where indicated. Marine waters, as defined in LAC 33:IX.1105, are surface waters with average salinities greater than or equal to 10 ppt.

<sup>50</sup> Monitor once per quarter for the benchmark monitoring Years 2 and 4. (See Part 3.2.7.6 for possible Year 4 benchmark monitoring waiver.)

<sup>51</sup> Monitor annually, once per calendar year during each year of the permit term.

<sup>52</sup> Collect benchmark samples of the four deicing-related parameters, and any required follow-up benchmark samples, during the timeframe defined in Part 6.S.4.8 when deicing activities typically occur at the facility.

SUB-SECTOR	PARAMETER <sup>53, 54</sup>	BENCHMARK <sup>55</sup>	EFFLUENT LIMITATION <sup>56</sup>
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 max.
<b>Sector U: FOOD AND KINDRED PRODUCTS</b>			
Grain Mill Products (SIC 2041-2048)	Total Suspended Solids (TSS)	100 mg/L	---
Fats and Oils Products (SIC 2074-2079)	Biochemical Oxygen Demand (BOD <sub>5</sub> )	30 mg/L	---
	Chemical Oxygen Demand (COD)	120 mg/L	---
	Nitrate plus Nitrite Nitrogen	0.68 mg/L	---
	Total Suspended Solids (TSS)	100 mg/L	---
<b>Sector Y: RUBBER, MISCELLANEOUS PLASTIC PRODUCTS, AND MISCELLANEOUS MANUFACTURING INDUSTRIES</b>			
Rubber Products Manufacturing (SIC 3011, 3021, 3052, 3053, 3061, 3069)	Total Zinc (freshwater) Total Zinc (marine)	Hardness Dependent 0.09 mg/L	---
<b>Sector AA: FABRICATED METALS</b>			
Fabricated Metal Products, except Coating (SIC 3411-3499, 3911-3915)	Total Aluminum	1.1 mg/L	---
	Total Zinc (freshwater) Total Zinc (marine)	Hardness Dependent 0.09 mg/L	---
	Nitrate plus Nitrite Nitrogen	0.68 mg/L	---
	Fabricated Metal Coating and Engraving (SIC 3479)	Total Zinc (freshwater) Total Zinc (marine)	Hardness Dependent 0.09 mg/L
Nitrate plus Nitrite Nitrogen		0.68 mg/L	---

<sup>53</sup> Metals benchmark values, which are designated as freshwater in parentheses, are hardness dependent metals; see Table 4.

<sup>54</sup> Marine water benchmark values for metals, designated as marine in parentheses, apply to storm water discharges into marine waters where indicated. Marine waters, as defined in LAC 33:IX.1105, are surface waters with average salinities greater than or equal to 10 ppt.

<sup>55</sup> Monitor once per quarter for the benchmark monitoring Years 2 and 4. (See Part 3.2.7.6 for possible Year 4 benchmark monitoring waiver.)

<sup>56</sup> Monitor annually, once per calendar year during each year of the permit term.

**Table 4. Hardness Dependent Benchmarks**

Note: The benchmark values of some metals are dependent on water hardness. For these parameters, permittees must determine the hardness of the receiving water (see Addendum E, “Calculating Hardness in Receiving Waters for Hardness Dependent Metals,” for methodology), in accordance with Part 8, Section C to identify the applicable ‘hardness range’ for determining their benchmark value applicable to their facility.

<b>Water Hardness Range</b>	<b>Cadmium (mg/L)</b>	<b>Copper (mg/L)</b>	<b>Lead (mg/L)</b>	<b>Nickel (mg/L)</b>	<b>Silver (mg/L)</b>	<b>Zinc (mg/L)</b>
0-24.99 mg/L	0.0005	0.0038	0.014	0.15	0.0007	0.04
25-49.99 mg/L	0.0009	0.0056	0.023	0.20	0.0007	0.05
50-74.99 mg/L	0.0014	0.0090	0.045	0.32	0.0017	0.08
75-99.99 mg/L	0.0018	0.0123	0.069	0.42	0.0030	0.11
100-124.99 mg/L	0.0022	0.0156	0.095	0.52	0.0046	0.13
125-149.99 mg/L	0.0026	0.0189	0.122	0.61	0.0065	0.16
150-174.99 mg/L	0.0030	0.0221	0.151	0.71	0.0087	0.18
175-199.99 mg/L	0.0034	0.0253	0.182	0.80	0.0112	0.20
200-224.99 mg/L	0.0038	0.0285	0.216	0.89	0.0138	0.23
225-249.99 mg/L	0.0042	0.0316	0.246	0.98	0.0168	0.25
250+ mg/L	0.0050	0.0332	0.262	1.02	0.0183	0.26

## **PART 4: STORM WATER POLLUTION PREVENTION PLAN (SWPPP)**

### **4.1. Storm Water Pollution Prevention Plan Requirements**

Except for permittees covered under the Light Commercial General Permit, and for oil and gas facilities which are required to obtain coverage (due to a later RQ spill) after this permit is finalized, **the preparation of a storm water pollution prevention plan (SWPPP) is required for the facility before submittal of the NOI for permit coverage.** Copies of the plan should **not** be submitted to this Office unless specifically requested by the LDEQ. The SWPPP is intended to document the selection, design, and installation of control measures. The SWPPP must be prepared in accordance with good engineering practices. Use of a registered professional engineer for the SWPPP preparation is not required by the permit, but may be independently required under local ordinance.

### **4.2. Deadlines for SWPPP Preparation and Compliance**

- a) New dischargers shall develop a SWPPP in compliance with this permit prior to submittal of the NOI.
- b) Existing discharges authorized under the 2016 MSGP shall update the SWPPP, as necessary, within 30 days of notification of coverage by the LDEQ.
- c) Dischargers granted coverage concurrently with authorization by another LPDES permit (such as the Light Commercial General Permit) shall develop a SWPPP in compliance with this permit within 60 days of receiving coverage.

### **4.3. Contents of the SWPPP**

For coverage under this permit, the SWPPP must contain all of the elements in Parts 2.3 and 4.3 – 4.8, along with all applicable sector-specific requirements in Part 6 of this permit. Where the SWPPP refers to procedures in other facility documents, such as a Spill Prevention and Control Plan (SPCP) or an Environmental Management System (EMS) developed for a National Environmental Performance Track facility, copies of the relevant portions of these documents must be kept with the SWPPP.

#### **4.3.1. Storm Water Pollution Prevention Team**

The SWPPP must identify the name or title and individual responsibilities of each of the facility's storm water pollution prevention team staff member(s). This team is responsible for assisting the facility manager in developing and revising the SWPPP, maintaining control measures, and taking corrective actions where required. Each team member must have ready access to either an electronic or paper copy of the applicable portions of this permit and the SWPPP.

#### **4.3.2. Site Description**

- a) *Site Map*. Provide a map showing the following:
  - The size of the property in acres;
  - The location and extent of significant structures and impervious surfaces;
  - Directions of storm water flow (use arrows);
  - Locations of all existing structural control measures;
  - Locations 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;
  - Locations of all storm water conveyances including ditches, pipes, and swales;
  - Locations of potential pollutant sources identified under Part 4.3.3. have occurred;
  - Locations of all storm water monitoring points;

- Locations of storm water inlets and outfalls, with a unique identification code for each outfall (e.g., Outfall No. 1, No. 2, etc.), indicating if one or more outfalls are treated as “substantially identical” under Part 3.2.7.1, and an approximate outline of the areas draining to each outfall;
- b) MS4s where the facility’s storm water discharges to them;
- c) Locations and descriptions of all non-storm water discharges;
- d) Locations of the following activities where such activities are exposed to precipitation:
- Fueling stations;
  - Vehicle and equipment maintenance and/or cleaning areas;
  - Loading/unloading areas;
  - Locations used for the treatment, storage, or disposal of wastes;
  - Liquid storage tanks;
  - Processing and storage areas;
  - 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;
  - Transfer areas for substances in bulk; and
  - Machinery; and
- e) Locations and sources of run-on to the site from adjacent property that contains significant quantities of pollutants.

#### 4.3.3. Summary of Pollutant Sources

The SWPPP must document areas at the facility where industrial materials or activities are exposed to storm water and from which allowable non-storm water discharges are released. *Industrial materials or activities* include, but are not limited to: material handling equipment or activities, industrial machinery, raw materials, industrial production and processes; and intermediate products, by-products, final products, and waste products. *Material handling activities* include, but are not limited to: the storage, loading and unloading, transportation, disposal, or conveyance of any raw material, intermediate product, final product or waste product. For structures located in areas of industrial activity, the permittee must be aware that the structures themselves are potential sources of pollutants (Ex. when metals such as aluminum or copper are leached from the structures as a result of acid rain.) For each area identified, the description must include:

- a) *Activities in Area.* A list of the industrial activities exposed to storm water (e.g., material storage; equipment fueling, maintenance, and cleaning; cutting steel beams).
- b) *Pollutants.* A list of the pollutant(s) or pollutant constituents (e.g., crankcase oil, zinc, sulfuric acid, cleaning solvents, etc.) associated with each identified activity, which could be exposed to rainfall or snowmelt and could be discharged from the facility. The pollutant list must include all significant materials that have been handled, treated, stored or disposed, and that have been exposed to storm water in the 3 years prior to the date the SWPPP is prepared or amended.
- c) *Spills and Leaks.* The SWPPP must document where potential spills and leaks could occur that could contribute pollutants to storm water discharges, and the corresponding outfall(s) that would be affected by such spills and leaks. Document all significant spills and leaks of oil or toxic or hazardous pollutants that actually occurred at exposed areas or that drained to a storm water conveyance in the 3 years prior to the date this facility’s SWPPP was prepared or amended.

Note: Significant spills and leaks include, but are not limited to, releases of oil or hazardous substances in excess of quantities that are reportable under LAC 33:I.3931 Reportable Quantity List for Pollutants. (See also 40 CFR 110.6, 40 CFR 117.21, and/or 40 CFR 302.6.)

#### **4.3.4. Non-Storm Water Discharges**

The SWPPP must document that the presence of non-storm water discharges has been evaluated and all unauthorized discharges have been eliminated. Documentation of the evaluation must include:

- The date of any evaluation;
- A description of the evaluation criteria used;
- A list of the outfalls or on-site drainage points that were directly observed during the evaluation;
- The different types of non-storm water discharge(s) and source locations; and
- The action(s) taken, such as a list of control measures used to eliminate unauthorized discharge(s), if any were identified. For example, a floor drain was sealed, a sink drain was re-routed to sanitary, or an LPDES permit application was submitted for an unauthorized cooling water discharge.

#### **4.3.5. Salt Storage**

The SWPPP must document the location of any storage piles containing salt used for deicing or other commercial industrial purposes.

#### **4.3.6. Sampling Data**

For existing permitted facilities, the SWPPP must summarize all storm water discharge sampling data collected at the facility during the previous permit term. It must include a narrative description (and may include data tables/figures) to support identification of potential pollution sources at the facility. New dischargers and new sources must provide a summary of any available storm water runoff data they may have.

#### **4.3.7. Description and Design of Control Measures**

The SWPPP must document the location and type of control measures installed and implemented at the site to achieve applicable effluent limitations, the non-numeric effluent limits in Parts 3.1, and, where applicable, in Part 6, any control measures required by TMDLs, and any agreed-upon endangered species or National Environmental Policy Act (NEPA)-related requirements. Describe how the control measure selection and design considerations in Parts 1.7.6 and 4.3.11 were addressed and how the control measures at the site address both the pollutant sources identified in Part 4.3.3.

In the non-numeric technology-based limits included in Parts 3 and 6, the term “minimize” means reduce and/or eliminate to the extent achievable using control measures including best management practices (BMPs) that are technologically available and economically practicable and achievable in light of best industry practice. The permittee must select, design, install, and implement control measures, including BMPs, in accordance with good engineering practices and manufacturer’s specifications in order to meet the non-numeric effluent limits in Parts 3 and 6. Note that a permittee may deviate from such manufacturer’s specifications where justification is provided for such deviation; documentation of the rationale must be included in the part of the SWPPP that describes the control measures. If the permittee finds that the control measures are not achieving their intended effect of minimizing pollutant discharges to meet applicable water quality standards or any of this permit’s other non-numeric effluent limits, these control measures must be modified as expeditiously as practicable.

The following must be considered when selecting and designing control measures:

- preventing storm water from contacting with polluting materials is generally more effective and less costly than trying to remove pollutants from storm water;
- using combinations of control measures is more effective than using control measures in isolation

for minimizing pollutants;

- assessing the type and quantity of pollutants, including their potential to impact receiving water quality, is critical to designing effective control measures that will achieve the limits in this permit;
- minimizing impervious areas at the facility and infiltrating storm water on-site (via bioretention cells, green roofs, pervious pavement, etc.) can reduce the frequency and volume of discharges, and improve groundwater recharge and stream base flows in local streams (although care must be taken to avoid ground water contamination);
- attenuating flow using open vegetated swales and natural depressions can reduce in-stream impacts of erosive flows;
- conserving and/or restoring riparian buffers can help protect streams from storm water discharges and improve water quality;
- using treatment interceptors (e.g., swirl separators, oil-water separators, sand filters) may be appropriate in some instances to minimize the discharge of pollutants; and
- implementing structural improvements, enhanced/resilient pollution prevention measures, and other mitigation measures will help to minimize impacts from storm water discharges from major storm events, such as hurricanes, storm surge, extreme/heavy precipitation, and flooding. If such controls or measures are already in place due to existing requirements mandated by other state, local, or federal agencies, the facility should document in the SWPPP a brief description of the controls and a reference to the existing requirement(s). If the facility may be exposed to or has previously experienced such major storm events, (To determine if your facility is susceptible to an increased frequency of major storm events that could impact the discharge of pollutants in stormwater, you may reference FEMA, NOAA, or USGS flood map products at [https://www.usgs.gov/faqs/where-can-i-find-flood-maps?qt-news\\_science\\_products=0#qt-news\\_science\\_products](https://www.usgs.gov/faqs/where-can-i-find-flood-maps?qt-news_science_products=0#qt-news_science_products).) additional measures to consider include, but are not limited to:
  - a) Reinforce materials storage structures to withstand flooding and additional exertion of force;
  - b) Prevent floating of semi-stationary structures by elevating to the Base Flood Elevation (BFE) level or securing with non-corrosive device;
  - c) When a delivery of exposed materials is expected, and a storm is anticipated within 48 hours, delay delivery until after the storm or store materials as appropriate (refer to emergency procedures);
  - d) Temporarily store materials and waste above the BFE level;
  - e) Temporarily reduce or eliminate outdoor storage;
  - f) Temporarily relocate any mobile vehicles and equipment to higher ground;
  - g) Develop scenario-based emergency procedures for major storms that are complementary to regular storm water pollution prevention planning and identify emergency contacts for staff and contractors; and
  - h) Conduct staff training for implementing emergency procedures at regular intervals.

#### **4.3.8. Schedules and Procedures**

##### **4.3.8.1. Pertaining to Control Measures Used to Comply with BMPs and Non-Numeric Effluent Limitations in Parts 3 and 6**

The following must be documented in the SWPPP:

- Good Housekeeping – A schedule for regular pickup and disposal of waste materials, along with routine inspections for leaks and conditions of drums, tanks, and containers;

- Maintenance – Preventative maintenance procedures, including regular inspections, testing, maintenance, and repair of all industrial equipment and systems, and control measures, to avoid situations that may result in leaks, spills, and other releases, and any back-up practices in place should a runoff event occur while a control measure is off-line;
- Spill Prevention and Response Procedures – Procedures for preventing and responding to spills and leaks. The procedures may reference the existence of other plans for Spill Prevention and Control (SPC) developed for the facility under Section 311 of the CWA or BMP programs otherwise required by an LPDES permit for the facility, provided that a copy of that other plan is kept on-site and made available for review consistent with Part 4.4;
- Erosion and Sediment Controls – The name and purpose of all polymers and/or chemicals used as part of the erosion and sediment control practices; and
- Employee Training (Part 3.1.8) – A schedule for all types of necessary training.

#### **4.3.8.2. Pertaining to Monitoring and Inspection**

The SWPPP must document the procedures for conducting all applicable types of analytical monitoring specified by this permit, including visual inspections, benchmark monitoring, effluent limits monitoring, monitoring required by TMDLs and any other monitoring required by the LDEQ, in accordance with Part 3.2.6.

For each type of monitoring, the SWPPP must document:

- Locations where samples are collected, including any determination that two or more outfalls are substantially identical;
- Parameters for sampling and the frequency of sampling for each parameter;
- Schedules for monitoring at the facility, including schedule for alternate monitoring periods for climates with irregular storm water runoff (see Part 3.2.7.3);
- Any numeric control values (benchmarks, effluent limitations guidelines, TMDL-related requirements, or other requirements) applicable to discharges for each outfall; and
- Procedures (e.g., responsible staff, logistics, laboratory to be used, etc.) for gathering storm event data.

If the exception for inactive and unstaffed sites for benchmark monitoring is being invoked, information supporting this claim must be included in the SWPPP.

The SWPPP must document the following if use of the substantially identical outfall exception for the quarterly visual assessment requirements or the benchmark monitoring requirements is planned:

- Location of each of the substantially identical outfalls;
- Description of the general industrial activities conducted in the drainage area of each outfall;
- Description of the control measures implemented in the drainage area of each outfall;
- Description of the exposed materials located in the drainage area of each outfall that are likely to be significant contributors of pollutants to storm water discharges;
- An estimate of the runoff coefficient of the drainage areas (low = under 40%; medium = 40 to 65%; high = above 65%); and
- Why the outfalls are expected to discharge substantially identical effluents.

The SWPPP must document the procedures for performing, as appropriate, the three types of inspections specified by this permit, including quarterly visual monitoring, routine site inspections, and comprehensive site inspections. For each type of inspection performed, the SWPPP must identify:

- Person(s) or position of person(s) responsible for inspection;
- Schedules for conducting inspections, including tentative schedule for facilities in climates with irregular storm water runoff discharges; and
- Specific items to be covered by the inspection, including schedules for specific outfalls.

If the exception for inactive and unstaffed sites relating to routine facility inspections and quarterly visual assessments is being invoked, information supporting this claim must be included in the SWPPP.

#### **4.3.9. Certification of Non-Storm Water Discharges**

The SWPPP must include a certification that all discharges (i.e., outfalls) have been tested or evaluated for the presence of non-storm water discharges and that all identified unauthorized non-storm water discharges have been eliminated. The certification must be signed in accordance with Part 2.3 of this permit and must include:

- the date of any testing and/or evaluation;
- identification of potential significant sources of non-storm water at the site;
- a description of the results of any test and/or evaluation for the presence of non-storm water discharges;
- a description of the evaluation criteria or testing method used; and
- a list of the outfalls or on-site drainage points that were directly observed during the test and/or evaluation.

If the certification required (testing and/or evaluation for non-storm water discharges) is not provided, LDEQ must be notified 180 days after submitting the NOI for this permit, and a copy of the notification must be included in the SWPPP at the facility. If the failure to certify is caused by the inability to perform adequate tests or evaluations, such notification must describe:

- the reason(s) why certification was not possible;
- the procedure of any test and/or evaluation attempted;
- the results of such test and/or evaluation or other relevant observations; and
- the potential sources of non-storm water discharges to the storm sewer.

#### **4.3.10. Allowable Non-Storm Water Discharges**

Except for flows from fire-fighting activities, the SWPPP shall identify each allowable non-storm water discharge (see Part 1.5.2), the source, location, and description of appropriate BMPs. If mist blown from cooling towers is included among the facility's allowable non-storm water discharges, the permittee must specifically evaluate the potential for discharges to be contaminated by chemicals used in the cooling tower and determine that the levels of those chemicals in the discharges would not cause or contribute to a violation of applicable water quality standards after implementation of BMPs.

#### **4.3.11. Documentation of Permit Eligibility Related to Endangered Species**

Documentation supporting the permittee's determination regarding Part 1.7.6 must be kept with the SWPPP.

#### **4.3.12. Documentation of Permit Eligibility Related to Historic Places**

Documentation supporting the permittee's determination regarding Part 1.7.7 must be kept with the SWPPP.

#### **4.3.13. Documentation of Permit Eligibility Related to Impaired Water Bodies or Water Bodies With Total Maximum Daily Loads (TMDLs)**

Documentation supporting the permittee's determination regarding Part 1.7.8 must be kept with the SWPPP. Include in the description of your design of control measures how the selected control measures and/or design will minimize the discharge of the pollutant(s) of concern and/or comply with requirements and assumptions of any applicable TMDLs. Specifically, for new discharges to an impaired water body, the SWPPP must describe how the permittee has complied with one of the three options in 1.7.8.c i.-iii.

#### **4.3.14. Copy of Permit Requirements**

The SWPPP must include a copy of the permit requirements (attaching a copy of this permit is acceptable).

#### **4.3.15. Applicable State or Local Plans**

The SWPPP shall be consistent (and updated as necessary to remain consistent) with applicable State and/or local storm water, waste disposal, and sanitary sewer or septic system regulations to the extent these apply to the facility and are more stringent than the requirements of this permit.

#### **4.4. SWPPP Availability**

The permittee must retain a copy of the current SWPPP required by this permit at the facility, and it must be made immediately available to the LDEQ or a local agency that approves storm water management plans, the operator of an MS4 receiving discharges from the site; and representatives of the U.S. Fish and Wildlife Service (USFWS) or the National Marine Fisheries Service (NMFS) at the time of an on-site inspection or upon request. The LDEQ may provide access to portions of a facility's SWPPP to a member of the public upon request. Confidential Business Information (CBI) may be withheld from the public, but may not be withheld from staff cleared for CBI review with the EPA, USFWS, or NMFS.

The LDEQ encourages the permittee to post the facility's SWPPP online and provide the website address on the NOI.

#### **4.5. Required SWPPP Modifications**

Whenever any of the following conditions occur, the permittee must take corrective action and review and revise the selection, design, installation, and implementation of the control measures to ensure that the condition is eliminated and its reoccurrence is prevented:

- an unauthorized release or discharge (e.g., spill, leak, or discharge of non-storm water not authorized by this or another LPDES permit) occurs at the facility;
- the permittee becomes aware or the LDEQ determines that the control measures are not stringent enough for the discharge to meet applicable water quality standards;
- there is any exceedance of an effluent limitation (including coal pile runoff), water quality standard, or requirement stipulated in Part 3; or
- a LDEQ inspection or evaluation indicates that modifications to the control measures are necessary to meet the non-numeric effluent limits in this permit; or
- routine facility inspections, quarterly visual assessments, or comprehensive site inspections indicate

that control measures are not being properly operated and maintained and/or indicate evidence of storm water pollution (e.g., color, odor, floating solids, settled solids, suspended solids, foam).

#### **4.6. Conditions Requiring Review to Determine if Modifications are Necessary**

If any of the following conditions occur or are detected during and inspection, monitoring, or other means, the permittee must review and revise, as appropriate, the SWPPP (e.g., the selection, design, installation, and implementation of the control measures) to determine if modifications are necessary to meet the effluent limits in this permit:

- construction or a change in design, operation, or maintenance at the facility significantly changes the nature of pollutants discharged in storm water from the facility, or significantly increases the quantity of pollutants discharged; or
- the average of 4 quarterly sampling results exceeds an applicable benchmark, in accordance with Part 3.3.

#### **4.7. Correction Action Deadlines**

Discovery of any of the conditions listed in Part 4.5 must be documented within 24 hours of making such discovery. Subsequently, within 14 days of such discovery, the permittee must document any corrective action(s) to be taken to eliminate or further investigate the deficiency, or if no corrective action is needed, the basis for that determination. Specific documentation required within 24 hours and 14 days is detailed in Part 4.8. If the permittee determines that changes are necessary following a review, any modifications to the control measures must be made before the next storm event if possible, or as soon as practicable following that storm event. These time intervals are not grace periods, but are schedules considered reasonable for documenting the findings and for making repairs and improvement. They are included in this permit to ensure that the conditions prompting the need for these repairs and improvements are not allowed to persist indefinitely.

#### **4.8. Corrective Action Report**

Within 24 hours of discovery of any condition listed in Parts 4.5 and 4.6, the permittee must document the following information:

- Identification of the condition triggering the need for corrective action review;
- Description of the problem identified; and
- Date the problem was identified.

Within 14 days of discovery of any condition listed in Parts 4.5 and 4.6, the permittee must document the following information:

- Summary of corrective action taken or to be taken (or, for triggering events identified in Part 4.6 where the permittee determines that corrective action is not necessary, the basis for this determination);
- Notice of whether SWPPP modifications are required as a result of this discovery or corrective action;
- Date corrective action initiated; and
- Date corrective action completed or expected to be completed.

The permittee must retain a copy of the documentation on-site with the SWPPP for a 3-year period following permit expiration or termination.

## **PART 5: EVALUATIONS, RECORD KEEPING, AND REPORTING**

### **5.1. Routine Site Inspections**

The permittee must routinely inspect all facility areas where industrial materials or activities are exposed to storm water and all SCMs used to comply with the effluent limits contained in this permit. Routine facility inspections must be conducted at least quarterly (i.e., once each calendar quarter) although in many instances, more frequent inspection (e.g., monthly) may be appropriate for some types of equipment, processes, and control measures or areas of the facility with significant activities and materials exposed to storm water. These inspections, which must be performed by qualified personnel with at least one storm water pollution prevention team member participating, must be conducted during periods when the facility is in operation and, at least once each calendar year, during a period when a storm water discharge is occurring. The permittee must specify the relevant inspection schedules in the SWPPP.

#### **5.1.1. Inspection Documentation**

Documentation of the findings of each routine facility inspection performed must be maintained on-site with the SWPPP, and submittal of this documentation to the LDEQ is not required unless specifically requested by the Agency. At a minimum, this documentation must include the following:

- The inspection date and time;
- The name(s) and signature(s) of the inspector(s);
- Weather information and a description of any discharges occurring at the time of the inspection;
- Any previously unidentified discharges of pollutants from the site;
- Any control measures needing maintenance or repairs;
- Any failed control measures that need replacement;
- Any incidents of noncompliance observed; and
- Any additional control measures needed to comply with the permit requirements.

### **5.2. Annual Comprehensive Site Evaluation**

The permittee must conduct annual comprehensive site inspections while covered under this permit. Annual, as defined in this Part, means once during each calendar year beginning with the year the facility is authorized to discharge under this permit. The permittee is waived from the requirement of performing a comprehensive site inspection for an inspection period, as previously defined above, if discharge authorization was obtained after October 1. The permittee is required to perform a comprehensive site inspection during the next inspection year and annually for the remainder of the permit term. If the facility's permit coverage is administratively continued after the expiration date of this permit, the permittee must continue performing these inspections until the facility is no longer covered by the permit. Annual comprehensive site inspections must be conducted by qualified personnel with the participation of at least one storm water pollution prevention team member.

Comprehensive site inspections must cover all areas of the facility affected by the requirements in this permit, including the areas identified in the SWPPP as potential pollutant sources where industrial materials or activities are exposed to storm water, any areas where control measures are used to comply with the effluent limits in Part 3, and areas where spills and leaks have occurred in the past 3 years. The inspections must also include a review of monitoring data collected in accordance with Part 3. Inspectors must consider the results of the past year's visual and analytical monitoring when planning and conducting inspections. Inspectors must examine the following:

- Industrial materials, residue, or trash that may have or could come into contact with storm water;
- Leaks or spills from industrial equipment, drums, tanks, and other containers;
- Offsite tracking of industrial or waste materials, or sediment where vehicles enter or exit the site;
- Tracking or blowing of raw, final, or waste materials from areas of no exposure to exposed areas; and
- Control measures needing replacement, maintenance, or repair.

SCMs required by this permit must be observed to ensure that they are functioning correctly. If discharge locations are inaccessible, nearby downstream locations must be inspected.

The annual comprehensive site inspection may also be used as one of the quarterly routine site inspections, as long as all components of both types of inspections are included.

### 5.2.1. Comprehensive Site Evaluation Documentation

Documentation of the findings of each comprehensive site inspection must be maintained on-site with the SWPPP. At a minimum, this documentation must include the following:

- a) The date of the inspection;
- b) The name(s) and title(s) of the personnel making the inspection;
- c) Findings from the examination of areas of the facility identified in 5.2;
- d) All observations relating to the implementation of the control measures including:
  - i. Previously unidentified discharges from the site;
  - ii. Previously unidentified pollutants in existing discharges;
  - iii. Evidence of or the potential for pollutants entering the drainage system;
  - iv. Evidence of pollutants discharging for receiving waters at all facility outfall(s) and the condition of and around the outfall, including flow dissipation measures to prevent scouring, and
  - v. Additional control measures needed to address any conditions requiring corrective action identified during the inspection.
- e) Any required revisions to the SWPPP resulting from the inspection;
- f) Any incidents of noncompliance observed or a certification stating the facility is in compliance with this permit (if there is no noncompliance); and
- g) A statement, signed and certified, in accordance with Part 2.3 of this permit.

The EPA has developed an Annual Report Form that can be downloaded and used when performing a comprehensive site inspection. It is available in Appendix I at [https://www.epa.gov/sites/production/files/2020-02/documents/final\\_proposed\\_2020\\_msgp\\_-\\_appendices\\_a-p.pdf](https://www.epa.gov/sites/production/files/2020-02/documents/final_proposed_2020_msgp_-_appendices_a-p.pdf). If the permittee chooses to use it, it should be completed and kept with the SWPPP, and it should not be sent as an Annual Report to the LDEQ nor the EPA since this permit does not require completion nor submittal of an Annual Report.

Any corrective action required as a result of the comprehensive site inspection must be performed consistent with Part 3.3 of this permit.

### 5.2.2. Credit as a Routine Site Inspection

Where compliance evaluation schedules overlap with inspections required under Part 5.1, the annual compliance evaluation may also be used as one of the quarterly routine inspections.

### 5.3. Inactive and Unstaffed Site Exception

If the permittee has determined that the facility is eligible for the inactive and unstaffed site exception in Part 3.2.7.5, then the facility also qualifies for an exemption for routine and comprehensive site inspections.

### 5.4. Retention of Records

#### 5.4.1. Documents

The permittee must retain copies of SWPPP, any reports required by this permit, and records of all data used to complete the NOI to be covered by this permit, for a period of at least three years from the date that the facility's coverage under this permit expires or is terminated. Records of all monitoring information shall be retained for at least three years from the date of the sample or measurement. These periods may be extended by request of the Agency at any time.

#### 5.4.2. Accessibility

The permittee must retain a copy of the SWPPP required by this permit (including a copy of the permit language) at the facility (or other local location accessible to the Agency; local government officials; or the operator of a MS4 receiving discharges from the site) from the date of permit coverage to the date permit coverage ceases.

#### 5.4.3. Addresses

Except for the submittal of monitoring results (see Part 5.5 below), all written and/or electronic correspondence concerning discharges in Louisiana from any facility covered under this permit, including the submittal of individual permit applications, shall be identified by the facility's LPDES MSGP permit authorization number (i.e. not LAR050000) and the Agency Interest (AI) number that are indicated on the facility's MSGP notice of coverage letter and shall be sent to the Louisiana Department of Environmental Quality Office of Environmental Services at the address in the Current Address List attached as Addendum C.

### 5.5. Reporting Requirements

If required to do benchmark or numeric limitation sampling and analysis, the permittee must submit a DMR form completed with the analytical monitoring results obtained from all outfalls associated with industrial activity. The monitoring results for all discharges from all outfalls, monitored during each period (quarterly or annually, as specified in Part 3 of this permit) shall be summarized on a single DMR:

- When the permit stipulates that monitoring at an outfall shall occur once per quarter, the permittee must complete one DMR for each quarter and submit the DMRs to the LDEQ per the schedule in Table 5. Report the highest values from any individual outfall. If samples are taken at a frequency greater than once per quarter, report the highest value on the DMR.
- When the permit stipulates that monitoring at an outfall shall occur annually, the permittee must complete one DMR each calendar year and submit the DMR to the LDEQ per the schedule in Table 5. For daily maximum effluent limitations, if samples are taken at a frequency greater than once per year, report the highest value from any individual outfall on the DMR. For monthly average effluent limitations, if more than one sample is collected in the month, average the laboratory results for each regulated parameter in the discharge, and report the highest monthly average on the DMR. **The monthly average shall be the highest average from any individual outfall. Do not average results from different outfalls.** DMR General Instruction Number 5 defines "Average" as the

arithmetic average (geometric average for bacterial parameters) of all sample measurements for each parameter obtained during the “Monitoring Period”.

- If there is no discharge event at any outfall(s) during the sampling period, mark an “X” in the box labeled “No Discharge”.

The submittal of summarized results on a single quarterly or annual DMR does not absolve the permittee from conducting all required monitoring, including follow-up monitoring, and complying with record retention requirements.

Monitoring results must be submitted through a department-approved electronic document receiving system (NetDMR) in accordance with LAC 33:I.Chapter 21. NetDMR is available at [www.deq.louisiana.gov/](http://www.deq.louisiana.gov/) using the following path: Enforcement – NetDMR. Permittees must use this online system unless the Office of Environmental Compliance – Enforcement Division, Permit Compliance Unit (PCU) gives written authorization to the permittees to submit monitoring results in an alternative format such as paper DMRs. **DMRs shall be electronically submitted in accordance with LAC 33:I.2101.A and B no later than the 28th day of the month following the reporting period.** If a waiver is granted to submit monitoring results in an alternative format, DMRs shall be submitted to the Louisiana Department of Environmental Quality, Office of Environmental Compliance, Enforcement Division, P. O. Box 4312, Baton Rouge, LA 70821-4312 no later than the 28th day of the month following the reporting period. When reporting electronically and monitoring is not required during a certain quarter(s), use a no data indicator (NODI) code of 9 for conditional or not required. For additional information regarding NetDMR, see the LDEQ’s NetDMR website: <https://www.deq.louisiana.gov/page/netdmr>.

**Table 5. DMR/Alternative Certification Deadlines**

<b>Monitoring Class</b>		<b>Reporting Deadline (Postmark)</b>
Effluent Limits Monitoring	Monitoring for Numeric Limitations (See Table 3.)	Submit results, including follow-up samples, by January 28 <sup>th</sup> for the preceding calendar year.
	Corrective Action Monitoring ( in accordance with Part 3.5)	Save and submit all results for year in one package by January 28 for the preceding year.
Benchmark Monitoring	Year 2 Monitoring (Year 2 monitoring runs from January 1, 2022 through December 31, 2022)	Save and submit all results for year in one package by January 28, 2023.
	Year 4 Monitoring (Year 4 monitoring runs from January 1, 2024 through December 31, 2024)	Save and submit all results for year in one package by January 28, 2025.
	Corrective Action Monitoring in accordance with Part 3.3	Save and submit all results for year in one package by January 28 for the preceding year.
Visual Monitoring		Retain results with SWPPP - do not submit unless requested to do so by the LDEQ.

**5.5.1. Additional Reporting for Dischargers to a Regulated MS4**

If the facility has at least one storm water discharge associated with industrial activity that enters a regulated MS4 as defined in Part 7, the permittee must submit signed copies of the DMRs to the MS4 operator in accordance with the dates provided above in Table 5.

**5.5.2. Miscellaneous Reports**

The permittee must submit any other reports required (see Part 8, Section D) by this permit to the Office of Environmental Compliance at the address listed on the Current Address List in Addendum C.

## **PART 6: SECTOR-SPECIFIC SWPPP REQUIREMENTS**

In addition to the sector-specific SWPPP requirements, the permittee must also comply with the SWPPP requirements listed in Part 4. There are no sector-specific SWPPP requirements for Sectors B, C, D, K, and AC; therefore, they are not included in Part 6.

### **SECTOR A. Timber Products**

#### **6.A.1 Drainage Area Site Map**

Identify on the map locations where the following may be exposed to precipitation or surface runoff: processing areas, treatment chemical storage areas, wet/dry decking areas, and storage areas for treated/untreated wood and residue, and treatment equipment storage areas.

#### **6.A.2 Inventory of Exposed Materials**

Where information exists, document the following in the SWPPP if the facility has used chlorophenolic, creosote, or chromium-copper-arsenic formulations for wood surface protection or preserving: areas where contaminated soils, treatment equipment, and stored materials still remain and the management practices employed to minimize the contact of these materials with storm water runoff.

#### **6.A.3 Description of Storm Water Management Controls**

Document measures implemented to address the following activities and sources: storage areas for residue, chemicals, equipment, vehicles, and log, lumber, and other wood products; loading/unloading and material handling areas; and equipment and vehicle maintenance and repair areas. If the facility performs wood surface protection and preservation activities, address the specific control measures, including any BMPs for these activities.

#### **6.A.4 Good Housekeeping**

In areas where storage, loading and unloading, and material handling occur, perform good housekeeping to minimize the discharge of wood debris discharges, leachate generated from decaying wood materials, and the generation of dust.

#### **6.A.5 Inspections**

If wood surface protection and preservation activities are performed, inspect the processing and transport areas and treated wood storage areas monthly to assess the usefulness of minimization practices for depositing treatment chemicals on unprotected soils and in areas that will come in contact with storm water discharges.

### **SECTOR E. Glass, Clay, Cement, Concrete, and Gypsum Products**

#### **6.E.1 Drainage Area Site Map**

Document in the SWPPP the locations of the following, as applicable: bag house or other dust control device, recycle/sedimentation pond, clarifier, or other device used for the treatment of process wastewater, and the areas that drain to the treatment device.

#### **6.E.2 Good Housekeeping**

Prevent or minimize the discharge of spilled cement, aggregate (including sand or gravel), kiln and settled dust, fly ash, or other significant material in storm water from paved portions of the site that are exposed to storm water. Sweep or vacuum paved surfaces of the site that are exposed to storm water at regular intervals, or use other equivalent measures (e.g., wash down the area and collect

and/or treat and properly dispose of this water) to minimize the potential discharge of these materials in storm water. In the SWPPP, indicate the frequency of sweeping, vacuuming, or equivalent measures based on the amount of industrial activity occurring in the area and the frequency of precipitation. It must be performed at least once a week in areas where cement, aggregate, fly ash, or settled dust are handled or processed, and may be discharged in storm water, and these fine granular solids must be stored in enclosed silos, hoppers, buildings, or under other covering to prevent exposure to storm water where practicable.

### **6.E.3 Certification**

For facilities producing ready-mix concrete, concrete block, brick or similar products, include in the non-storm water discharge certification a description of measures that ensure that process wastewater resulting from washing trucks, mixers, transport buckets, forms, or other equipment are discharged in accordance with LPDES permit requirements or are recycled.

## **SECTOR F. Primary Metals**

### **6.F.1 Drainage Area Site Map**

Identify in the SWPPP where the following may be exposed to precipitation or surface runoff: storage or disposal of wastes such as spent solvents and baths, sand, slag, and dross; liquid storage tanks and drums; processing areas including pollution control equipment (e.g., bag houses); and storage areas of raw material such as coal, coke, scrap, sand, fluxes, refractories, or metal in any form. In addition, indicate where an accumulation of significant amounts of particulate matter could occur from such sources as furnace or oven emissions, losses from coal and coke-handling operations, etc., and could result in a discharge of pollutants in storm water and/or to waters of the State.

### **6.F.2 Good Housekeeping**

Implement a cleaning and maintenance program for all impervious areas of the facility where particulate matter, dust, or debris may accumulate to minimize the discharge of pollutants in storm water, especially areas where material loading and unloading, storage, handling, and processing occur; and, where practicable, the paving of areas where vehicle traffic or material storage occur but where vegetative or other stabilization methods are not practicable (institute a sweeping or vacuuming program in these areas too). For unstabilized areas where sweeping or vacuuming is not practicable, use storm water 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.

### **6.F.3 Inventory of Exposed Materials**

Include in the inventory areas where deposition of particulate matter from process air emissions or losses during material handling activities are possible and may potentially be exposed to precipitation or runoff.

### **6.F.4 Additional Inspection Requirements**

As part of the quarterly routine facility inspection (Part 5.1), address all potential sources of pollutants, including (if applicable) air pollution control equipment (e.g., bag houses, electrostatic precipitators, scrubbers, and cyclones), for any signs of degradation (e.g., leaks, corrosion, or improper operation) that could limit their efficiency and lead to excessive emissions. Consider monitoring air flow at inlets and outlets (or use equivalent measures) to check for leaks (e.g., particulate deposition) or blockage in ducts. Also inspect all process and material-handling

equipment (e.g., conveyors, cranes, and vehicles) for leaks, drips, or the potential loss of material; and material storage areas (e.g., piles, bins, or hoppers for storing coke, coal, scrap, or slag, as well as, chemicals stored in tanks and drums) for signs of material losses due to wind or storm water runoff.

## **SECTOR G. Metal Mining (Ore Mining and Dressing)**

### **6.G.1 Drainage Area Site Map**

Document in the SWPPP the locations of the following (as appropriate): mining or milling site boundaries; access and haul roads; outline of the drainage areas of each storm water outfall within the facility and indications of the types of discharges from the drainage areas; location(s) of all permitted discharges covered under an individual LPDES permit; outdoor equipment storage, fueling, and maintenance areas; materials handling areas; outdoor manufacturing, outdoor storage, and material disposal areas; outdoor chemicals and explosives storage areas; overburden, materials, soils, or waste storage areas; location of mine drainage (where water leaves mine) or other process water; tailings piles and ponds (including proposed ones); heap leach pads; off-site points of discharge for mine drainage and process water; boundary of tributary areas that are subject to effluent limitations guidelines; and location(s) of reclaimed areas.

### **6.G.2 Potential Pollutant Sources**

For each area of the mine or mill site where storm water discharges associated with industrial activities occur, identify the types of pollutants (e.g., heavy metals, sediment) likely to be present in significant amounts. Consider these factors: the mineralogy of the ore and waste rock (e.g., acid-forming); toxicity and quantity of chemicals used, produced, or discharged; the likelihood of contact with storm water; vegetation of site (if any); and history of significant leaks or spills of toxic or hazardous pollutants. Also, include a summary of any existing ore or waste rock or overburden characterization data and test results for potential generation of acid rock. If any new data is acquired due to changes in ore type being mined, the SWPPP must be documented with this information.

Clearing, grading, and excavation activities conducted as part of the exploration and construction phase of a mining operation and as referenced in Part 1.7.2, are not covered under the MSGP if these activities disturb one or more acres of land. These activities require separate coverage by the appropriate version of the LPDES General Permit for Discharges of Storm Water from Construction Activities.

### **6.G.3 Employee Training**

Document in the SWPPP all employee training(s) which must be conducted at least annually at active and temporarily inactive sites.

### **6.G.4 Documentation of Control Measures**

Document in the SWPPP all control measures implemented consistent with Part 4.3.2.

#### **6.G.4.1 Storm Water Diversions**

Consider diverting storm water away from potential pollutant sources where practicable. The following are some control measure options: interceptor or diversion controls (e.g. dikes, swales, curbs, or berms); pipe slope drains; subsurface drains; conveyance systems (e.g., channels or gutters, open-top box culverts, and waterbars; rolling dips and road sloping; roadway surface water deflector and culverts); or their equivalents.

#### **6.G.4.2 Capping**

When capping is necessary minimize pollutant discharges in storm water, identify the source being capped and the material used to construct the cap.

#### **6.G.4.3 Treatment**

If treatment of storm water (e.g., chemical or physical systems, oil and water separators, artificial wetlands, etc.) from active and temporarily inactive sites is necessary to protect water quality, describe the type and location of treatment used. Passive and/or active treatment of storm water runoff is encouraged, where feasible. Treated runoff may be discharged as a storm water source regulated under this permit, provided the discharge is not combined with discharges subject to effluent limitation guidelines for the ore mining and dressing point source category (40 CFR 440).

#### **6.G.4.4 Certification of Discharge Testing**

Test or evaluate for the presence of specific mining-related discharges such as seeps or adit discharges or discharges subject to effluent limitations guidelines (e.g., LAC 33:IX.4903 – 40 CFR Part 440), such as mine drainage or process water. Alternatively, (if applicable), a certification may be kept in the SWPPP that a particular non-storm water discharge that mixes with storm water is covered under a separate LPDES permit, which subjects the non-storm water element to effluent limitations prior to any commingling. This certification shall identify the non-storm water discharge, the applicable LPDES permit(s), the effluent limitations placed on the non-storm water discharge by the permit(s), and the points at which the limitations are applied.

#### **6.G.5 Nature of Industrial Activities**

Briefly document in the SWPPP the mining and associated activities that can potentially affect the storm water discharges covered by this permit, including a general description of the location of the site relative to major transportation routes and communities.

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

Also consider the potential pollutant sources as described in Part 6.G.2 when determining reasonable and appropriate measures for managing runoff.

#### **6.G.7 Erosion and Sediment Control Plan**

At active and temporarily inactive sites consider a range of erosion controls within the broad categories of: flow diversion (e.g., swales), stabilization (e.g., temporary or permanent seeding), and structural controls (e.g., sediment traps, dikes, silt fences).

#### **6.G.8 Site Inspections**

Inspect active mining sites at least monthly; and inspect temporarily inactive sites at least quarterly unless adverse weather conditions make the site inaccessible.

#### **6.G.9 Termination of Permit Coverage**

##### **6.G.9.1 Termination of Permit Coverage for Sites Reclaimed After December 17, 1990**

A site or a portion of a site that has been released from applicable state or federal reclamation requirements after December 17, 1990, is no longer required to maintain coverage under this permit. If the site or portion of a site reclaimed after December 17, 1990, was not subject to reclamation requirements, the site or portion of the site is no

longer required to maintain coverage under this permit if the site or portion of the site has been reclaimed as defined in Part 7.

#### **6.G.9.2 Termination of Permit Coverage for Sites Reclaimed Before December 17, 1990**

A site or a portion of a site that was either released from applicable state or federal reclamation requirements or that was otherwise reclaimed before December 17, 1990, is no longer required to maintain coverage under this permit if the site or a portion of a site has been reclaimed. A site or a portion of a site is considered to have been reclaimed if: (1) storm water runoff that comes into contact with raw materials, intermediate by-products, finished products, and waste products does not have the potential to cause or contribute to violations of state water quality standards; (2) soil-disturbing activities related to mining at the sites or portion of the site have been completed; (3) the site or portion of the site has been stabilized to minimize soil erosion; and (4) as appropriate, depending on location, size, and the potential to contribute pollutants to storm water discharges, the site or portion of the site has been re-vegetated, will be amenable to natural re-vegetation, or will be left in a condition consistent with the post-mining land use.

### **SECTOR H. Coal Mines and Coal Mining Related Facilities**

The requirements in Sector H apply to storm water discharges associated with industrial activity from Coal Mines and Coal Mining-Related facilities as identified by the SIC Codes specified under Sector H in Table 1. **Storm water discharges subject to the effluent limitation guidelines for the Coal Mining Point Source Category (40 CFR Part 434) are not authorized by this permit (see Part 1.4).**

#### **6.H.1 Other Applicable Regulations**

Most active coal mining-related areas (SIC Codes 1221-1241) are subject to sediment and erosion control regulations of the Office of Surface Mining Reclamation and Enforcement (OSM) that enforces the Surface Mining Control and Reclamation Act (SMCRA). The OSM has granted authority to most coal producing states to implement the SMCRA through State SMCRA regulations. All SMCRA requirements regarding control of storm water-related pollutant discharges must be addressed in the SWPPP (directly or by reference).

#### **6.H.2 Drainage Area Site Map**

Document in the SWPPP where the following may be exposed to precipitation or surface runoff: haul and access roads; railroad spurs, sliding, and internal hauling lines; conveyor belts, chutes, and aerial tramways; equipment storage and maintenance yards; coal handling building and structures; and inactive mines and related areas; acidic spoil, refuse, or unreclaimed disturbed areas, and liquid storage tanks containing pollutants such as caustics, hydraulic fluids, and lubricants.

#### **6.H.3 Potential Pollutant Sources**

Document in the SWPPP the following sources and activities that have potential pollutants associated with them: truck traffic on haul roads and resulting generation of sediment subject to runoff and dust generation; fuel or other liquid storage; pressure lines containing slurry, hydraulic fluid, or other potential harmful liquids; and loading or temporary storage of acidic refuse or spoil.

#### **6.H.4 Good Housekeeping**

In order to minimize discharges of pollutants in storm water, implement control measures such as the following, where determined to be feasible (list not inclusive): using sweepers and covered storage, watering of haul roads to minimize dust generation, and conserving vegetation to minimize

erosion.

#### **6.H.5 Preventive Maintenance**

Inspect storage tanks and pressure lines of fuels, lubricants, hydraulic fluid, and slurry to prevent leaks due to deterioration or faulty connections.

#### **6.H.6 Inspections of Active Mining-Related Areas**

Except for areas of the site subject to clearing, grading, and/or excavation activities conducted as part of the exploration and construction phase, perform quarterly inspections of active mining areas covered by this permit corresponding with the inspections as performed by SMCRA inspectors, of all mining-related areas required by SMCRA. Also maintain the records of the SMCRA authority representative. See Part 3.2.7.5 for inactive and unstaffed sites.

#### **6.H.7 Sediment and Erosion Control**

As indicated in Part 6.H.1, SMCRA requirements regarding sediment and erosion control measures must be complied with for those areas subject to SMCRA authority, including inspection requirements.

#### **6.H.8 Comprehensive Site Compliance Evaluation**

Include visual inspections for pollutants entering the drainage system through activities associated with coal mining-related areas. Areas to be inspected should include: haul and access roads; railroad spurs, sliding, and internal hauling lines; conveyor belts, chutes and aerial tramways; equipment storage and maintenance yards; coal handling buildings and structures; and inactive mines and related areas.

#### **6.H.9 Termination of Permit Coverage**

##### **6.H.9.1 Termination of Permit Coverage for Sites Reclaimed After December 17, 1990**

A site or a portion of a site that has been released from applicable state or federal reclamation requirements after December 17, 1990, is no longer required to maintain coverage under this permit. If the site or portion of a site reclaimed after December 17, 1990, was not subject to reclamation requirements, the site or portion of the site is no longer required to maintain coverage under this permit if the site or portion of the site has been reclaimed as defined in Part 7.

##### **6.H.9.2 Termination of Permit Coverage for Sites Reclaimed Before December 17, 1990**

A site or a portion of a site that was either released from applicable state or federal reclamation requirements or that was otherwise reclaimed before December 17, 1990, is no longer required to maintain coverage under this permit if the site or a portion of a site has been reclaimed. A site or a portion of a site is considered to have been reclaimed if: (1) storm water runoff that comes into contact with raw materials, intermediate by-products, finished products, and waste products does not have the potential to cause or contribute to violations of state water quality standards; (2) soil-disturbing activities related to mining at the sites or portion of the site have been completed; (3) the site or portion of the site has been stabilized to minimize soil erosion; and (4) as appropriate, depending on location, size, and the potential to contribute pollutants to storm water discharges, the site or portion of the site has been re-vegetated, will be amenable to natural re-vegetation, or will be left in a condition consistent with the post-mining land use.

## **SECTOR I. Oil and Gas Extraction**

The requirements in this part apply to storm water discharges associated with industrial activity from oil and gas extraction and refining facilities as identified by the SIC Codes specified in Sector I in Part 1's Table 1. Compliance with the sector-specific requirements associated with the facility's primary industrial activity and any co-located industrial activities as defined in Part 1.6 is required, and these requirements are applicable to the facility areas where those sector-specific activities occur. Discharges of storm water runoff associated with oil field service, supply, and repair industries are not exempt from LPDES permit coverage. Any storm water discharges that require permit coverage as a result of meeting one of the conditions of 122.26(c)(1)(iii) and/or LAC 33:IX.2511.C.1.c may be covered under this MSGP unless otherwise required to obtain LPDES permit coverage by an alternative general or an individual permit as specified in 1.7.5.

Storm water discharges from field activities or operations associated with oil and gas exploration, production, processing, or treatment operations or transmission facilities are exempt from LPDES permit coverage unless, in accordance with LAC 33:IX.2511.C.1.c.i, the facility:

- has had a storm water discharge resulting in a RQ discharge for which notification is or was required pursuant to 40 CFR 110.6, 40 CFR 117.21, or 40 CFR 302.6 at any time since November 16, 1987 (Refer also to Part 2.1.2 for facilities which experience an initial RQ spill after this MSGP's final permit issue date.); or
- contributes to a violation of a water quality standard.

### **6.I.1 Drainage Area Site Map**

Document in the SWPPP where the following may be exposed to precipitation or surface runoff: RQ releases; locations used for the treatment, storage or disposal of wastes; processing areas and storage areas; chemical mixing areas, construction and drilling areas; all areas subject to the effluent guidelines requirements for "No Discharge" in accordance with 40 CFR 435.32 and/or LAC 33:IX.708 and the structural controls to achieve compliance with the "No Discharge" requirements.

### **6.I.2 Potential Pollutant Sources**

Document in the SWPPP the following sources and activities that have potential pollutants associated with them: chemical, cement, mud or gel-mixing activities; drilling or mining activities; and equipment-cleaning and rehabilitation activities. Include information about the RQ release that triggered the permit application requirements: the nature of release (e.g., spill of oil from a drum storage area); amount of oil or hazardous substance released; amount of substance recovered; date of the release; cause of release (e.g. poor handling techniques and lack of containment in the area); areas effected by release (i.e., land and water); procedures to clean up release; actions or procedures implemented to prevent or improve response to a release (taking into account human health risks, the control of drinking water intakes, and the designated uses of the drinking water).

### **6.I.3 Inspection Frequency**

Inspect all erosion and sedimentation control measures either: 1) every 7 days; or 2) once every 14 calendar days and within 24 hours of a storm event of 0.25 inches or greater.

### **6.I.4 Erosion and Sedimentation Control**

Unless covered by the LPDES General Permit for Construction Activity, the additional documentation requirements for sediment and erosion controls for well drillings and sand/shale mining areas include the following:

#### **6.I.4.1 Site Description**

Also include a description in the SWPPPP of the nature of exploration activity, estimates of the total area of site and area disturbed due to exploration activity; an estimate of runoff coefficient of the site, a site drainage map including approximate slopes, and the names of all receiving waters.

#### **6.I.4.2 Vegetative Controls**

To preserve existing vegetation where attainable and re-vegetate open areas as soon as practicable after grade drilling, implement appropriate vegetative practices, such as the following (list not exclusive): temporary or permanent seeding, mulching, sod stabilization, vegetative buffer strips, tree protection practices. Begin implementing appropriate vegetative practices on all disturbed areas within 14 days following the last activity in that area. Document the vegetative practices used in the SWPPPP.

### **SECTOR J. Mineral Mining and Dressing**

The requirements in this part are not applicable to inactive mineral mining facilities.

#### **6.J.1 Nature of Industrial Activities**

Document in the SWPPPP the mining and associated activities that can potentially affect the storm water discharges covered by this permit, including a general description of the location of the site relative to major transportation routes and communities.

#### **6.J.2 Drainage Area Site Map**

Document in the SWPPPP the locations of the following, (as appropriate): mining or milling site boundaries; access and haul roads; outline of the drainage areas of each storm water outfall within the facility with indications of the types of discharges from the drainage areas; location(s) of all permitted discharges covered under an individual LPDES permit, outdoor equipment storage, fueling and maintenance areas; materials handling areas; outdoor manufacturing, outdoor storage, and material disposal areas; outdoor chemicals and explosives storage areas; overburden, materials, soils, or waste storage areas; location of mine drainage dewatering or other process water; heap leach pads; off-site points of discharge for mine dewatering and process water; surface waters; boundary of tributary area that subject to effluent limitations guidelines; and locations(s) of reclaimed areas.

#### **6.J.3 Potential Pollutant Sources**

For each area of the mine or mill site where storm water discharges associated with industrial activities occur, document in the SWPPPP the types of pollutants (e.g., heavy metals, sediment) likely to be present in significant amounts. For example, phosphate mining facilities will likely need to document pollutants such as selenium, which can be present in significant amounts in their discharges. Consider these factors: the mineralogy of the waste rock (e.g., acid forming); toxicity and quantity of the chemicals used, produced, or discharged; the likelihood of contact with storm water; vegetation of site (if any); and history of significant leaks or spills of toxic or hazardous pollutants. Also include a summary of any existing waste rock or overburden characterization data and test results for potential generation of acid rock damage.

#### **6.J.4 Employee Training**

Document in the SWPPPP all employee training(s) conducted in accordance with Part 3.1.8. Conduct employee training at least annually at active and temporarily inactive sites.

### **6.J.5 Documentation of Control Measures**

Document all control measures implemented consistent with this section. The potential pollutants identified in Part 6.J.3 shall determine the priority and appropriateness of the control measures selected. If the facility is in compliance with dust control requirements under state or parish air quality permits, summarize, as necessary, what the permit dust control requirements are and how compliance with them is achieved.

#### **6.J.5.1 Storm Water Diversions**

Divert storm water away from potential pollutant sources through implementation of control measures such as the following, where determined to be feasible (list not exclusive): interceptor or diversion controls (e.g. dikes, swales, curbs, or berms); pipe slope drains; subsurface drains; conveyance systems (e.g., channels or gutters, open-top box culverts, and waterbars; rolling dips and road sloping; roadway surface water deflector and culverts); or their equivalents. For mines subject to dust control requirements under state or parish air quality permits, provided that the requirements are equivalent, compliance with such air permit dust requirements shall constitute compliance with the dust control effluent limit in Part 3.1.11.

#### **6.J.5.2 Capping**

When capping is necessary minimize pollutant discharges in storm water, identify the source being capped and the material used to construct the cap.

#### **6.J.5.3 Treatment**

If treatment of storm water (e.g., chemical or physical systems, oil and water separators, artificial wetlands) is necessary to protect water quality, describe the type and location of treatment used. Passive and/or active treatment of storm water runoff is encouraged. Treated runoff may be discharged as a storm water source regulated under this permit provided the discharge is not combined with discharges subject to effluent limitation guidelines for the Mineral Mining and Processing Point Source Category (40 CFR Part 436).

#### **6.J.5.4 Certification of Discharge Testing**

Test or evaluate all outfalls covered under this permit for the presence of specific mining-related but unauthorized non-storm water discharges such as discharges subject to effluent limitations guidelines (e.g., 40 CFR Part 436). Alternatively (if applicable), keep a certification with the SWPPP.

### **6.J.6 Site Inspections**

Except for areas of the site subject to clearing, grading, and/or excavation activities conducted as part of the exploration and construction phase, conduct inspections at least quarterly unless adverse weather conditions make the site inaccessible. Monthly inspections must be conducted at sites which discharge to designated outstanding natural resource waters or sediment- or nitrogen-impaired waters. See Part 3.2.7.5 for inspection requirements for inactive and unstaffed sites.

## **SECTOR L. Landfills and Land Application Sites**

### **6.L.1 Drainage Area Site Map**

Document in the SWPPP where the following may be exposed to precipitation or surface runoff: active and closed landfill cells or trenches, active and closed land application areas, locations where

open dumping is occurring or has occurred, locations of any known leachate springs or other areas where uncontrolled leachate may commingle with runoff, and leachate collection and handling systems.

#### **6.L.2 Summary of Potential Pollutant Sources**

Document in the SWPPP the following sources and activities that have potential pollutants associated with them: fertilizer, herbicide, and pesticide application; earth and soil moving; waste hauling and loading or unloading; outdoor storage of significant materials, including daily, interim, and final cover material stockpiles, as well as, temporary waste storage areas; exposure of active and inactive landfill and land application areas; uncontrolled leachate flows; and failure or leaks from leachate collection and treatment systems.

#### **6.L.3 Preventative Maintenance Program**

As part of the preventative maintenance program, maintain the following: all elements of leachate collection and treatment systems to prevent commingling of leachate with storm water; the integrity and effectiveness of any intermediate or final cover (including repairing the cover as necessary), to minimize the effects of settlement, sinking, and erosion.

#### **6.L.4 Erosion and Sediment Control Plan**

Provide temporary stabilization (e.g., consider temporary seeding, mulching, and placing geotextiles on the inactive portions of stockpiles) for the following in order to minimize discharges of pollutants in storm water: materials stockpiled for daily, intermediate, and final cover; inactive areas of the landfill or open dump; landfills or open dump areas that have gotten final covers but where vegetation has yet to establish itself; and land application sites where waste application has been completed but final vegetation has not yet been established.

#### **6.L.5 Record Keeping and Internal Reporting**

Keep records with the SWPPP of the types of wastes disposed of in each cell or trench of a landfill or open dump. For land application sites track the types and quantities of wastes applied in specific areas.

#### **6.L.6 Inspections**

##### **6.L.6.1 Inspections of Active Sites**

Inspect operating landfills, open dumps, and land application sites at least once every 7 days. Focus on areas of landfills that have not yet been finally stabilized; active land application areas, areas used for storage of material and wastes that are exposed to precipitation, stabilization, and structural control measures; leachate collection and treatment systems; and locations where equipment and waste trucks enter and exit the site. Ensure that sediment and erosion control measures are operating properly. For stabilized sites and areas where land application has been completed, conduct inspections at least once every month.

##### **6.L.6.2 Inspections of Inactive Sites**

Inspect inactive landfills, open dumps, and land application sites at least quarterly. Qualified personnel must inspect landfill (or open dump) stabilization and structural erosion control measures, leachate collection and treatment systems, and all closed land application areas.

## **SECTOR M. Automobile Salvage Yards**

### **6.M.1 Drainage Area Site Map**

Identify locations used for dismantling, storage, and maintenance of used motor vehicle parts. Also identify where any of the following may be exposed to precipitation of surface runoff: dismantling areas; parts (e.g., engine blocks, tires, hub caps, batteries, hoods, mufflers) storage areas, and liquid storage tanks and drums for fuel and other fluids.

### **6.M.2 Potential Pollutant Sources**

Assess the potential for the following to contribute pollutants to storm water discharges: vehicle storage areas, dismantling areas, parts storage areas (e.g., engine blocks, tires, hub caps, batteries, hoods, mufflers), and fueling stations.

### **6.M.3 Employee Training**

If applicable to the facility, address the following areas (at a minimum) in the employee training program: proper handling (collection, storage, and disposal) of oil, used mineral spirits, anti-freeze, mercury switches, and solvents.

### **6.M.4 Spill and Leak Prevention Procedures**

Drain vehicles intended to be dismantled of all fluids upon arrival at the site (or as soon as practicable), or employ some other equivalent means to prevent spills and leaks.

### **6.M.5 Management of Runoff**

Implement control measures to minimize discharges of pollutants in runoff, such as the following, where determined to be feasible (list not exclusive): berms or drainage ditches on the property line (to help prevent run-on from neighboring properties); berms for uncovered outdoor storage of oily parts, engine blocks, and above-ground liquid storage; and installation of detention ponds, filtering devices, and oil and water separators.

### **6.M.6 Additional Inspection Requirements**

Immediately (or as soon thereafter as practicable) inspect vehicles arriving at the site for leaks. Inspect the following quarterly for signs of leakage: all equipment containing oily parts, hydraulic fluids, any other types of fluids, or mercury switches and all vessels and areas where hazardous materials and general automotive fluids are stored, including, but not limited to, mercury switches, brake and transmission fluids, radiator water, and antifreeze. The site-specific SWPPP must contain mercury minimization procedures and best management practices, such as those found in the LDEQ's Mercury Risk Reduction Plan and related materials available at (<https://www.deq.louisiana.gov/page/mercury-initiative>).

## **SECTOR N. Scrap Recycling Facilities**

### **6.N.1 Drainage Area Site Map**

Document in the SWPPP the locations of any of the following activities which may be exposed to precipitation or surface runoff: scrap and waste material storage, outdoor scrap and waste processing equipment, and containment areas for turnings exposed to cutting fluids.

### **6.N.2 Maintenance Schedules/Procedures for Collection, Handling, and Disposal or Recycling of Residual Fluids at Scrap and Waste Recycling Facilities**

If the facility is subject to Part 6.N.3.3, the SWPPP must identify any applicable maintenance

schedule and the procedures to collect, handle, and dispose of or recycle residual fluids.

### **6.N.3 Scrap and Waste Recycling Facilities (Applicable to Non-Source Separated, Non-Liquid Recyclable Materials)**

The requirements in Part 6.N.3 are for facilities that receive, process, and do wholesale distribution of non-source separated, non-liquid recyclable wastes (e.g., ferrous and non-ferrous metals, plastics, glass, cardboard, and paper). These facilities may receive both non-recyclable and recyclable materials. This section is not intended for those facilities that accept recyclables only from primarily non-industrial and residential sources.

#### **6.N.3.1 Inbound Recyclable and Waste Material Control Program**

Minimize the chance of accepting materials that could be significant sources of pollutants by conducting inspections of inbound recyclables and waste materials and through implementation of control measures, such as the following, where determined to be feasible (list not exclusive): (a) provide information and education to suppliers of scrap and recyclable waste materials on draining and properly disposing of residual fluids (e.g., from vehicles and equipment engines, radiators and transmissions, oil-filled transformers, and individual containers or drums) and removal of mercury switches prior to delivery to the facility; (b) establish procedures to minimize the potential of any residual fluids from coming into contact with precipitation or runoff; (c) establish procedures for accepting scrap lead-acid batteries (additional requirements for the handling, storage, and disposal or recycling of batteries are contained in the scrap lead-acid battery program provisions in 6.N.3.6); (d) provide training targeted for those personnel engaged in the inspection and acceptance of inbound recyclable materials; and (e) establish procedures to ensure that liquid wastes, including used oil, are stored in materially compatible and non-leaking containers and disposed of or recycled in accordance with the Resource Conservation Recovery Act (RCRA).

#### **6.N.3.2 Scrap and Waste Material Stockpiles/Storage (Outdoor)**

Minimize contact of storm water runoff with stockpiled materials, processed materials, and non-recyclable wastes through implementation of control measures such as the following, where determined to be feasible (list not exclusive): (a) permanent or semi-permanent covers; (b) sediment traps, vegetated swales and strips, catch basin filters, and sand filters to facilitate settling or filtering of pollutants; (c) dikes, berms, containment trenches, culverts, and surface grading to divert runoff from storage areas; (d) silt fencing; and (e) oil and water separators, sumps, and dry absorbents for areas where potential sources of residual fluids are stockpiled (e.g., automobile engine storage areas).

#### **6.N.3.3 Stockpiling of Turnings Exposed to Cutting Fluids (Outdoor)**

Minimize contact of surface runoff with residual cutting fluids by: (a) storing all turnings exposed to cutting fluids under some form of permanent or semi-permanent cover, or (b) establishing dedicated containment areas for all turnings that have been exposed to cutting fluids. Any containment areas must be constructed of concrete, asphalt, or other equivalent types of impermeable material and include a barrier (e.g., berms, curbing, elevated pads, etc.) to prevent contact with storm water run-on. Storm water runoff from these areas can be discharged, provided that any runoff is first collected and treated by an oil and water separator or its equivalent. The oil and water separator (or its equivalent) must be maintained regularly, and collected residual fluids must be properly disposed of or recycled.

**6.N.3.4 Scrap and Waste Material Stockpiles and Storage (Covered or Indoor Storage)**

Minimize contact of residual liquids and particulate matter from materials stored indoors or under cover with surface runoff through implementation of control measures such as the following, where determined to be feasible (list not exclusive): (a) good housekeeping measures, including the use of dry absorbent or wet vacuuming to contain, dispose of, or recycle residual liquids originating from recyclable containers, or mercury spill kits for spills from storage of mercury switches; (b) preventing the discharge of wash water from tipping floors or other processing areas into the storm sewer system; (c) disconnecting or sealing all floor drains connected to the storm sewer system.

**6.N.3.5 Scrap and Recyclable Waste Processing Areas**

Minimize surface runoff from coming in contact with scrap processing equipment. Pay attention to operations that generate visible amounts of particulate residue (e.g., shredding) to minimize the contact of accumulated particulate matter and residual fluids with runoff (i.e., through good housekeeping, preventive maintenance, etc.). To minimize discharges of pollutants in storm water from scrap and recyclable waste processing areas, implement control measures, such as the following, where determined to be feasible (list not exclusive): (a) at least once per month, inspect equipment for spills or leaks, and malfunctioning, worn, or corroded parts or equipment; (b) establish a preventive maintenance program for processing equipment; (c) use dry-absorbents or other clean-up practices to collect and dispose of or recycle spilled or leaking fluids, or use mercury spill kits for spills from storage of mercury switches; (d) on unattended hydraulic reservoirs over 150 gallons in capacity, install protection devices such as low-level alarms or equivalent devices, or secondary containment that can hold the entire volume of the reservoir; (e) implement containment or diversion structures such as dikes, berms, culverts, trenches, elevated concrete pads, and grading to minimize storm water runoff contact with outdoor processing equipment or stored materials; (f) use oil and water separators or sumps; (g) install permanent or semi-permanent covers in processing areas where there are residual fluids and grease; (h) use retention or detention ponds or basins; sediment traps and vegetated swales or strips (for pollutant settling and filtration); and/or (i) use catch basin filters or sand filters.

**6.N.3.6 Scrap Lead-Acid Battery Program**

To minimize discharges of pollutants in storm water from lead-acid batteries, properly handle, store, and dispose of scrap lead-acid batteries, and implement control measures such as the following, where determined to be feasible (list not exclusive): (a) segregate scrap lead-acid batteries from other scrap materials; (b) properly handle, store, and dispose of cracked or broken batteries; (c) collect and dispose of leaking lead-acid battery fluid; (d) minimize or eliminate (if possible) exposure of scrap lead-acid batteries to precipitation or runoff; and (e) provide employee training for the management of scrap batteries.

**6.N.3.7 Spill Prevention and Response Procedures**

In the event of a line break, install alarms and/or pump shut-off systems on outdoor equipment with hydraulic reservoirs exceeding 150 gallons. Alternatively, a secondary containment system capable of holding the entire contents of the reservoir, plus room for precipitation, can be used. Use a mercury spill kit for any release of mercury from switches, anti-lock brake systems, and switch storage areas.

#### **6.N.3.8 Supplier Notification Program**

As appropriate, notify major suppliers which scrap materials will not be accepted at the facility or will be are only accepted under certain conditions.

### **6.N.4 Waste Recycling Facilities (Applicable to Liquid Recyclable Materials)**

#### **6.N.4.1 Waste Material Storage (Indoor)**

Minimize or eliminate contact between residual liquids from waste materials stored indoors and from surface runoff. The plan may refer to applicable portions of other existing plans, such as Spill Prevention, Control, and Countermeasure (SPCC) plans required under LAC 33:IX Chapter 9. To minimize discharges of pollutants in storm water from indoor waste material storage areas, implement control measures such as the following, where determined to be feasible (list not exclusive): (a) procedures for material handling (including labeling and marking); (b) clean up spills and leaks with dry absorbent materials, a wet vacuum system, or a mercury spill kit (never vacuum spilled or leaking mercury); (c) appropriate containment structures (trenching, curbing, gutters, etc.); (d) a drainage system, including appurtenances (e.g., pumps or ejectors, manually-operated valves), to handle discharges from diked or bermed areas. Drainage should be discharged to an appropriate treatment facility, sanitary sewer system, or otherwise disposed of properly. These discharges may require coverage under a separate LPDES wastewater permit or industrial user permit under the pretreatment program.

#### **6.N.4.2 Waste Material Storage (Outdoor)**

Minimize contact between stored residual liquids and precipitation or runoff. The plan may refer to applicable portions of other existing plans such as SPCC plans required under LAC 33:IX Chapter 9. Discharges of precipitation from containment areas containing used oil must also be in accordance with applicable sections of LAC 33:IX Chapter 9. To minimize discharges of pollutants in storm water from outdoor waste storage areas, implement control measures such as the following, where determined to be feasible (list not exclusive): (a) appropriate containment structures (e.g., dikes, berms, curbing, pits) to store the volume of the largest tank with sufficient extra capacity for precipitation; (b) drainage control and other diversionary structures; (c) corrosion protection and or leak detection systems for storage tanks; (d) dry-absorbent materials or a wet vacuum system to collect spills.

#### **6.N.4.3 Trucks and Rail Car Waste Transfer Areas**

Minimize pollutants in storm water discharges from truck and rail car loading/unloading areas. Include measures to clean up minor spills/leaks resulting from the transfer of liquid wastes. Implement control measures such as the following, where determined to be feasible (list not exclusive): (a) containment and diversionary structures to minimize contact with precipitation or runoff; (b) use dry-cleanup methods, wet vacuuming, roof coverings, or runoff controls.

### **6.N.5 Recycling Facilities (Applicable to Source Separated Materials)**

Part 6.N.5 contains special conditions for facilities that receive only source-separated recyclables, primarily from non-industrial and residential sources.

**6.N.5.1 Inbound Recyclable Material Control**

Minimize the chance of accepting non-recyclables (e.g., hazardous materials) which could be a significant source of pollutants by conducting inspections of inbound materials and through the implementation of control measures such as the following, where determined to be feasible (list not exclusive) (a) providing information and education measures to inform suppliers of recyclables that are and are not acceptable materials; (b) training drivers responsible for pick-up of recycled material; (c) clearly marking public drop-off containers regarding which materials can be accepted; (d) rejecting non-recyclable wastes or household hazardous wastes at the source; and (e) establishing procedures for handling and disposal of non-recyclable material.

**6.N.5.2 Outdoor Storage**

Minimize exposure of recyclables to precipitation and runoff. Use good housekeeping measures to prevent accumulations of particulate matter and fluids, particularly in high traffic areas and through the implementation of control measures such as the following, where determined to be feasible (list not exclusive): (a) provide totally-enclosed drop-off containers for the public; (b) install a sump and pump with each container pit and treat or discharge collected fluids to a sanitary sewer system; (c) provide dikes and curbs for secondary containment (e.g., around bales of recyclable waste paper); (d) divert surface water runoff away from outside material storage areas; (e) provide covers over containment bins, dumpsters, and roll-off boxes; (f) store the equivalent of one day's volume of recyclable material indoors.

**6.N.5.3 Indoor Storage and Material Processing**

Minimize the release of pollutants from indoor storage and processing areas through the implementation of control measures such as the following, where determined to be feasible (list not exclusive): (a) schedule routine good housekeeping measures for all storage and processing areas; (b) prohibit tipping floor wash water from draining to the storm sewer system; and (c) provide employee training on pollution prevention practices.

**6.N.5.4 Vehicle and Equipment Maintenance**

Minimize the discharge of pollutants in storm water from areas where vehicle and equipment maintenance occur outdoors through implementation of control measures such as the following, where determined to be feasible (list not exclusive): are some options for those: (a) prohibit vehicle and equipment wash water from discharging to the storm sewer system; (b) minimize or eliminate outdoor maintenance areas; (c) establish spill prevention and clean-up procedures in fueling areas; (d) avoid topping off fuel tanks; (e) divert runoff from fueling areas; (f) store lubricants and hydraulic fluids indoors; and (g) provide employee training on proper handling and storage of hydraulic fluids and lubricants.

**6.N.5.5 Inspections for Waste Recycling Facilities**

The inspections must be performed quarterly, pursuant to Part 5.1, and include, at a minimum, all areas where waste is generated, received, stored, treated, or disposed of and that that are exposed to either precipitation or storm water runoff.

## **SECTOR O. Steam Electric-generating Facilities**

### **6.O.1 Drainage Area Site Map**

Document in the SWPPP the locations of any of the following activities which may be exposed to precipitation or surface runoff: storage tanks, scrap yards, general refuse areas; short- and long- term storage of general materials (including but not limited to supplies, construction materials, paint equipment, oils, fuels, used and unused solvents, cleaning materials, paint, water treatment chemicals, fertilizer, and pesticides); landfills and construction sites; and stock piles areas (e.g., coal or limestone piles).

### **6.O.2 Good Housekeeping Measures**

Document in the SWPPP the following good housekeeping measures implemented to meet the effluent limits:

#### **6.O.2.1 Fugitive Dust Emissions**

Minimize fugitive dust emissions from coal handling areas to minimize the tracking of coal dust offsite that could be discharged in storm water through implementation of control measures such as the following, where determined to be feasible (list not exclusive): installing specially-designed tires, washing vehicles in a designated area before they leave the site, and controlling the wash water.

#### **6.O.2.2 Delivery Vehicles**

Minimize contamination of storm water runoff from delivery vehicles arriving at the plant site as necessary to minimize discharges of pollutants in storm water. Ensure the overall integrity of the delivery vehicle's body or container, and implement procedures to deal with leakage or spillage from these vehicles.

#### **6.O.2.3 Fuel Oil Unloading Areas**

Minimize contamination of precipitation or surface runoff from fuel oil unloading areas. At a minimum the facility operator must consider using the following measures: a) Use containment curbs in unloading areas where feasible. Ensure that personnel familiar with spill prevention and response procedures are available to respond expeditiously in the event of a leak or spill during deliveries. Ensure that any leaks or spills are immediately contained and cleaned up, and use spill and overflow protection (drip pans, drip diapers, or other containment devices placed beneath fuel oil connectors to contain potential spillage during deliveries or from leaks at the connectors).

#### **6.O.2.4 Chemical Loading and Unloading**

Minimize contamination of precipitation or surface runoff from chemical loading and unloading areas. Use containment curbs at chemical loading and unloading areas to contain spills, where practicable. Ensure that personnel familiar with spill prevention and response procedures are available to respond expeditiously in the event of a leak or spill during deliveries. Ensure that any leaks or spills are immediately contained and cleaned up, store chemicals indoors, and, where practicable, load and unload in covered areas.

#### **6.O.2.5 Miscellaneous Loading and Unloading Areas**

Minimize contamination of precipitation or surface runoff from loading and unloading areas through implementation of control measures, such as the following, where determined to be feasible (list not exclusive): covering the loading area; grading, curbing, or berming around the loading area to divert run-on; locating the loading and unloading

equipment and vehicles so that leaks are contained in existing containment and flow diversion systems; or use equivalent procedures.

**6.O.2.6 Liquid Storage Tanks**

Minimize contamination of surface runoff from above-ground liquid storage tanks through implementation of control measures, such as the following, where determined to be feasible (list not exclusive): using protective guards around tanks; using containment curbs; installing spill and overflow protection; using dry clean-up methods; or equivalent measures.

**6.O.2.7 Large Bulk Fuel Storage Tanks**

Minimize contamination of surface runoff from large bulk fuel storage tanks. Use containment berms (or their equivalent). Comply with applicable State and Federal laws, including the SPCC requirements.

**6.O.2.8 Spill Reduction Measures**

Minimize the potential for an oil or chemical spill, or reference the appropriate part of the SPCC plan. As part of the routine facility inspection, visually inspect the structural integrity of all above-ground tanks, pipelines, pumps, and other related equipment that may be exposed to storm water, and make any necessary repairs immediately.

**6.O.2.9 Oil-bearing Equipment in Switchyards**

Minimize contamination of storm water runoff from oil-bearing equipment in switchyard areas. Use level grades and gravel surfaces to retard flows and limit the spread of spills or collect runoff in perimeter ditches.

**6.O.2.10 Residue-hauling Vehicles**

Inspect all residue-hauling vehicles for proper covering over the load, adequate gate sealing, and overall integrity of the container body. Repair vehicles without load covering or adequate gate sealing or with leaking containers or beds.

**6.O.2.11 Ash Loading Areas**

Reduce or control the tracking of ash and residue from ash loading areas. Clear the ash building floor and immediately adjacent roadways of spillage, debris, and excess water as necessary to minimize discharges of pollutants in storm water.

**6.O.2.12 Areas Adjacent to Disposal Ponds or Landfills**

Minimize contamination of surface runoff from areas adjacent to disposal ponds or landfills. Reduce ash residue that may be tracked on to access roads traveled by residue-handling vehicles, and reduce ash residue on exit roads leading into and out of residue-handling areas.

**6.O.2.13 Landfills, Scrap Yards, Surface Impoundments, Open Dumps, General Refuse Sites**

Minimize the potential for contamination of runoff from these areas.

**6.O.3 Comprehensive Site Compliance Evaluation**

Inspect the following areas monthly: coal handling areas, loading or unloading areas, switchyards, fueling areas, bulk storage areas, ash handling areas, areas adjacent to disposal ponds and landfills, maintenance areas, liquid storage tanks, and long term and short term material storage areas.

## **SECTOR P. Land Transportation and Warehousing**

### **6.P.1 Drainage Site Map**

Identify in the SWPPP the following areas of the facility and indicate whether activities occurring there may be exposed to precipitation/surface runoff: fueling stations; vehicle/equipment maintenance or cleaning areas; storage areas for vehicle/equipment with actual or potential fluid leaks; loading/unloading areas; areas where treatment, storage or disposal of wastes occur; liquid storage tanks; processing areas; and storage areas.

### **6.P.2 Potential Pollutant Sources**

Describe and assess in the SWPPP the potential for the following activities and facility areas to contribute pollutants to storm water discharges: on-site waste storage or disposal; dirt/gravel parking areas for vehicles awaiting maintenance; illicit plumbing connections between shop floor drains and the storm water conveyance system(s); and fueling areas.

### **6.P.3 Employee Training**

Train personnel at least once a year and address the following activities, as applicable: used oil and spent solvent management; fueling procedures; general good housekeeping practices; proper painting procedures; and used battery management.

### **6.P.4 Good Housekeeping Measures**

Document in the SWPPP the measures implemented that are consistent with this section.

#### **6.P.4.1 Vehicle and Equipment Storage Areas**

Minimize the potential for storm water exposure to leaky or leak-prone vehicles/equipment awaiting maintenance through implementation of control measures, such as the following, where determined to be feasible (list not exclusive): use of drip pans under vehicles and equipment; indoor storage of vehicles and equipment; installation of berms and dikes; use of absorbents; roofing or covering storage areas; and cleaning pavement surface to remove oil and grease.

#### **6.P.4.2 Fueling Areas**

Minimize contamination of storm water runoff from fueling areas through implementation of control measures, such as the following, where determined to be feasible: covering the fueling area; using spill and overflow protection and clean-up equipment; minimizing storm water run-on/runoff to the fueling area; using dry clean-up methods; and treating and/or recycling collected storm water runoff.

#### **6.P.4.3 Material Storage Areas**

Maintain all material storage vessels (e.g., used oil/oil filters, spent solvents, paint wastes, hydraulic fluids) to prevent contamination of storm water and plainly label them (e.g., "Used Oil", "Spent Solvents", etc.). To minimize discharges of pollutants from material storage areas into storm water, implement control measures, such as the following, where determined to be feasible (list not exclusive): indoor storage of materials; installation of berms and dikes around the areas; minimizing storm water runoff to the areas; using dry clean-up methods; and treating and/or recycling collected storm water runoff.

#### **6.P.4.4 Vehicle and Equipment Cleaning Areas**

Minimize contamination of storm water runoff from all areas used for vehicle and equipment cleaning through implementation of control measures, such as the following, where determined to be feasible (list not exclusive): performing all cleaning operations indoors; covering the cleaning operation, ensuring that all wash water drains to a proper collection system (i.e., not the storm water drainage system unless LPDES permitted); treating and/or recycling collected wash water; or other equivalent measures. Discharges of vehicle and equipment wash water, including tank-cleaning operations, are not authorized by this permit.

#### **6.P.4.5 Vehicle and Equipment Maintenance Areas**

Minimize contamination of storm water runoff from all areas used for vehicle and equipment maintenance through implementation of control measures, such as the following, where determined to be feasible (list not exclusive): performing maintenance activities indoors; using drip pans; maintaining an organized inventory of materials used in the shop; draining all parts of fluid prior to disposal; prohibiting wet clean-up practices where the practices would result in the discharge of pollutants to storm water drainage systems; using dry clean-up methods; treating and/or recycling collected wash water; and minimizing run-on/runoff of storm water to maintenance areas.

#### **6.P.4.6 Locomotive Sanding (loading sand for traction) Areas**

Minimize discharges of pollutants in storm water from locomotive sanding areas through implementation of control measures, such as the following, where determined to be feasible (list not exclusive): covering sanding areas; minimizing storm water run-on/runoff; or appropriate sediment removal practices to minimize the offsite transport of sanding material by storm water.

#### **6.P.5 Vehicle and Equipment Wash Water Requirements**

Attach to or reference in the SWPPP, a copy of the LPDES permit issued for vehicle/equipment wash waters or, if an LPDES permit has not been issued, a copy of the pending application. For facilities that discharge vehicle and equipment wash waters to the sanitary system, the operator of the sanitary system and associated treatment plant must be notified. In such cases, a copy of the notification letter must be attached to the plan. If an industrial user permit is issued under a local pretreatment program, include a copy of it in the SWPPP.

#### **6.P.6 Inspections**

Inspect the following areas/activities: storage areas for vehicles and equipment awaiting maintenance, fueling areas, indoor and outdoor vehicle and equipment maintenance areas, material storage areas, vehicle and equipment cleaning areas, and loading and unloading areas.

### **SECTOR Q. Water Transportation**

#### **6.Q.1 Drainage Area Site Map**

Document in the SWPPP where any of the following may be exposed to precipitation or surface runoff: fueling; engine maintenance and repair; vessel maintenance and repair; pressure washing; painting; sanding; blasting; welding; metal fabrication; loading and unloading areas; locations used for the treatment, storage or disposal of wastes; liquid storage tanks; liquid storage areas (i.e., paint, solvents, resins) and material storage areas (i.e., blasting media, aluminum, steel, scrap iron).

### **6.Q.2 Summary of Potential Pollutant Sources**

Document in the SWPPP the following additional sources and activities that have potential pollutants associated with them: outdoor manufacturing or processing activities (e.g., welding, metal fabricating); and significant dust or particulate generating processes (e.g., abrasive blasting, sanding, painting).

### **6.Q.3 Good Housekeeping Measures**

Implement the following good housekeeping measures:

#### **6.Q.3.1 Pressure Washing Area**

If pressure washing is used to remove marine growth from vessels, the discharge water must be permitted by a separate LPDES permit. Collect or contain the discharges from the pressure washing area so that they do not commingle with the storm water discharges that are authorized by this permit.

#### **6.Q.3.2 Blasting and Painting Area**

Minimize the potential for spent abrasives, paint chips, and overspray to be discharged into receiving waters or the storm sewer system. Contain all blasting and painting activities, or use other measures, to minimize the discharge of contaminants (e.g., hanging plastic barriers or tarpaulins during blasting or painting operations to contain debris). At least once per month, clean storm water conveyances of deposits of abrasive blasting debris and paint chips.

#### **6.Q.3.3 Material Storage Areas**

Store and plainly label all containerized materials (e.g., fuels, paints, solvents, waste oil, antifreeze, batteries) in a protected, secure location away from drains. Minimize the contamination of precipitation or surface runoff from the storage areas. Specify which materials are stored indoors, and contain or enclose or use for those stored outdoors. If abrasive blasting is performed, discuss the storage and disposal of spent abrasive materials generated at the facility. Implement an inventory control plan to limit the presence of potentially hazardous materials on-site.

#### **6.Q.3.4 Engine Maintenance and Repair Areas**

Minimize the contamination of precipitation or surface runoff from all areas used for engine maintenance and repair through implementation of control measures, such as the following, where determined to be feasible (list not exclusive): performing all maintenance activities indoors; maintaining an organized inventory of materials used in the shop; draining all parts of fluid prior to disposal; prohibiting the practice of hosing down the shop floor; using dry clean-up methods; and treating and/or recycling storm water runoff collected from the maintenance area.

#### **6.Q.3.5 Material Handling Area**

Minimize the contamination of precipitation or surface runoff from material handling operations and areas (e.g., fueling, paint and solvent mixing, disposal of process wastewater streams from vessels) through implementation of control measures, such as the following, where determined to be feasible (list not exclusive): covering fueling areas; using spill and overflow protection; mixing paints and solvents in a designated area (preferably indoors or under a shed); and minimizing runoff of storm water to material handling areas.

#### **6.Q.3.6 Drydock Activities**

Routinely maintain and clean the drydock to minimize discharges of pollutants in storm water. Address the cleaning of accessible areas of the drydock prior to flooding and final clean-up after removal of the vessel and raising the dock. Include clean-up procedures for oil, grease, and fuel spills occurring on the drydock. To minimize discharges of pollutants in storm water from drydock activities, implement control measures, such as the following, where determined to be feasible (list not exclusive): sweeping rather than hosing off debris and spent blasting material from accessible areas of the drydock prior to flooding; and making absorbent materials and oil containment booms readily available to clean-up or contain or any spills.

#### **6.Q.4 Preventive Maintenance**

Perform timely inspection and maintenance of storm water management devices (e.g., cleaning oil and water separators and sediment traps to ensure that spent abrasives, paint chips, and solids will be intercepted and retained prior to entering the storm drainage system), as well as, inspecting and testing facility equipment and systems that could cause breakdowns or failures resulting in discharges of pollutants to surface waters.

#### **6.Q.5 Employee Training**

Employee training must address, at a minimum, the following activities (as applicable): used oil management; spent solvent management; proper disposal of spent abrasives; disposal of vessel wastewaters; spill prevention and control; fueling procedures; general good housekeeping practices; painting and blasting procedures; and used battery management.

#### **6.Q.6 Inspections**

Include the following in all quarterly routine inspections: pressure washing area; blasting, sanding, and painting areas; material storage areas; engine maintenance and repair areas; material handling areas; drydock area; and general yard area.

### **SECTOR R. Ship and Boat Building and Repairing Yards**

#### **6.R.1 Drainage Area Site Map**

Document in the SWPPP where any of the following may be exposed to precipitation or surface runoff: fueling; engine maintenance or repair; vessel maintenance or repair; pressure washing; painting; sanding; blasting; welding, metal fabrication; loading and unloading areas; treatment, storage and waste disposal areas; liquid storage tanks; liquid storage areas (e.g., paint, solvents, resins); and material storage areas (e.g., blasting media, aluminum, steel, and scrap iron).

#### **6.R.2 Potential Pollutant Sources**

Document in the SWPPP the following additional sources and activities that have potential pollutants associated with them (if applicable): outdoor manufacturing or processing activities (e.g., welding, metal fabricating) and significant dust or particulate generating processes (e.g., abrasive blasting, sanding, and painting).

#### **6.R.3 Employee Training Employee**

At a minimum, address the following activities as applicable: used oil management, spent solvent management, disposal of spent abrasives and vessel wastewaters, spill prevention and control, fueling procedures, general good housekeeping practices, painting and blasting procedures, and used battery management.

#### **6.R.4 Good Housekeeping Measures**

Document in the SWPPP any good housekeeping control measures implemented that are consistent with this section.

##### **6.R.4.1 Pressure Washing Area**

When pressure washing is used to remove marine growth from vessels, the discharge water must be permitted as a process wastewater by a separate LPDES permit.

##### **6.R.4.2 Blasting and Painting Area**

Minimize the potential for spent abrasives, paint chips, and overspray to be discharged into receiving waters or the storm sewer system. Contain all blasting and painting activities or use other measures to prevent the discharge of the contaminants (e.g., hanging plastic barriers or tarpaulins during blasting or painting operations to contain debris). When necessary, regularly clean storm water conveyances to remove deposits of abrasive blasting debris and paint chips. Document in the SWPPP any standard operating practices relating to blasting and painting (e.g., prohibiting uncontained blasting and painting over open water or prohibiting blasting and painting during windy conditions, which can render containment ineffective).

##### **6.R.4.3 Material Storage Areas**

Store and plainly label all containerized materials (e.g., fuels, paints, solvents, waste oil, antifreeze, batteries) in a protected, secure location away from drains. Minimize the contamination of precipitation or surface runoff from the storage areas. If abrasive blasting is performed, discuss the storage and disposal of spent abrasive materials generated at the facility. Implement an inventory control plan to limit the presence of potentially hazardous materials on-site.

##### **6.R.4.4 Engine Maintenance and Repair Areas**

Minimize contamination of precipitation or surface runoff from all areas used for engine maintenance and repair through implementation of control measures, such as the following, where determined to be feasible (list not exclusive): performing all maintenance activities indoors; maintaining an organized inventory of materials used in the shop; draining all parts of fluid prior to disposal; prohibiting hosing down the shop floor; using dry clean-up methods; and treating and/or recycling storm water runoff collected from the maintenance area.

##### **6.R.4.5 Material Handling Area**

Minimize the discharge of pollutants in storm water from material handling operations and areas (e.g., fueling, paint and solvent mixing, disposal of process wastewater streams from vessels) through implementation of control measures, such as the following, where determined to be feasible (list not exclusive): covering fueling areas; using spill and overflow protection; mixing paints and solvents in a designated area (preferably indoors or under a shed); and minimizing runoff of storm water to material handling areas.

##### **6.R.4.6 Drydock Activities**

Routinely maintain and clean the drydock to minimize pollutants in storm water runoff. Address the cleaning of accessible areas of the drydock prior to flooding and final clean-up after removal of the vessel and raising the dock. Include clean-up procedures for oil,

grease, and fuel spills occurring on the drydock. To minimize discharges of pollutants in storm water from drydock activities, implement control measures, such as the following, where determined to be feasible (list not exclusive): sweeping rather than hosing off debris and spent blasting material from accessible areas of the drydock prior to flooding; and making absorbent materials and oil containment booms readily available to clean-up and contain any spills.

#### **6.R.4.7 Storage Areas**

Specify in the SWPPP which materials are stored indoors, and contain, enclose, or use other measures for those stored outdoors.

#### **6.R.5 Preventative Maintenance**

Perform timely inspection and maintenance of storm water management devices (e.g., cleaning oil and water separators and sediment traps to ensure that spent abrasives, paint chips, and solids will be intercepted and retained prior to entering the storm drainage system), as well as, inspecting and testing facility equipment and systems to uncover conditions that could cause breakdowns or failures resulting in discharges of pollutants to surface waters.

#### **6.R.6 Inspections**

Include the following in all quarterly routine facility inspections: pressure washing areas; blasting, sanding, and painting areas; material storage areas; engine maintenance and repair areas; material handling areas; drydock area; and general yard area.

### **SECTOR S. Air Transportation**

The requirements in this part apply to storm water discharges from only those portions of the air transportation facility that are involved in vehicle maintenance, (including vehicle rehabilitation, mechanical repairs, painting, fueling, and lubrication), equipment-cleaning operations, or deicing operations.

#### **6.S.1 Drainage Area Site Map**

Document in the SWPPP where the following may be exposed to precipitation or surface runoff: aircraft and runway deicing operations; fueling stations; aircraft painting, sanding, and blasting; aircraft, ground vehicle, and equipment maintenance/cleaning areas; and storage areas for aircraft, ground vehicles and equipment awaiting maintenance.

#### **6.S.2 Potential Pollutant Sources**

In the inventory of exposed materials, describe in the SWPPP the potential for the following activities and facility areas to contribute to pollutants to storm water discharges: aircraft, runway, ground vehicle and equipment maintenance and cleaning; significant dust or particulate generating processes (e.g., abrasive blasting, sanding, painting); and aircraft and runway deicing operations (including apron and centralized aircraft deicing stations, runways, taxiways and ramps). Facilities which conduct deicing operations shall maintain a record of the types of chemicals (including the Safety Data Sheets (SDS) used and the monthly quantities, either as measured or, in the absence of metering, using best estimates. This includes all deicing chemicals, not just glycols and urea (e.g., potassium acetate), because large quantities of these other chemicals can still have an adverse impact on receiving waters. Deicing operators must provide the above information to the airport authority for inclusion in any comprehensive airport SWPPPs.

### **6.S.3 SWPPP Requirements**

A single comprehensive SWPPP, developed collaboratively by the airport authority and tenants, must be developed for all storm water discharges associated with industrial activity at the airport prior to submittal of any NOIs. For the purposes of this permit, tenants of the airport facility include air passenger or cargo companies, fixed based operators and other parties which have contracts with the airport authority to conduct business operations on airport property which result in storm water discharges associated with industrial activity. The SWPPPs developed by any operator for storm water discharges from its own area of the airport must be integrated and coordinated with the comprehensive SWPPP, and each operator is responsible for implementing their assigned portion of this comprehensive SWPPP and for ensuring that their individual activities do not render another operator's storm water controls ineffective. All operators and their separate SWPPP contributions and compliance responsibilities must be clearly identified in the comprehensive SWPPP. As applicable, the SWPPP must clearly specify the MSGP requirements to be complied with by the airport authority for itself and on behalf of its tenants and by the tenants for themselves. The SWPPP must include a description of the process the operator has when the operator conducts an activity on behalf of another tenant for reporting results and ensuring appropriate follow-up with tenants where there are any exceedances of benchmarks, effluent limits, or water quality standards, if necessary, by all affected tenants. The SWPPP must describe how the tenants will follow-up to ensure permit compliance.

### **6.S.4 Good Housekeeping**

#### **6.S.4.1 Source Reduction**

Consistent with safety considerations, minimize the use of urea and glycol-based deicing chemicals to reduce the aggregate amount of deicing chemicals used that could add pollutants to storm water discharges. Chemical options to replace pavement deicers (urea or glycol) include (list not exclusive): potassium acetate; magnesium acetate; calcium acetate; and anhydrous sodium acetate.

##### **6.S.4.1.1 Runway Deicing Operations**

To minimize the discharge of pollutants in storm water from runway deicing operations, implement source reduction control measures, such as the following, where determined to be feasible and that accommodate considerations of safety, space, operational constraints, and flight considerations (list not exclusive): metered application of chemicals; pre-wetting dry chemical constituents prior to application; installing a runway ice detection system; implementing anti-icing operations as a preventive measure against ice buildup; heating sand; and product substitution.

##### **6.S.4.1.2 Aircraft Deicing Operations**

Minimize the discharge of pollutants in storm water from aircraft deicing operations. Determine whether excessive application of deicing chemicals occurs and adjust as necessary, consistent with considerations of flight safety. Determine the feasibility of glycol alternatives and containment measures for applied chemicals. Implement control measures for reducing deicing fluid such as the following, where determined to be feasible and that accommodate considerations of safety, space, operational constraints, and flight considerations (list not exclusive): forced-air deicing systems, computer-controlled fixed-gantry systems, infrared technology, hot water, varying glycol

content to air temperature, enclosed-basket deicing trucks, mechanical methods, solar radiation, hangar storage, aircraft covers, and thermal blankets for MD-80s and DC-9s. Consider using ice-detection systems and airport traffic flow strategies and departure slot allocation systems where feasible and that accommodate considerations of safety, space, operational constraints, and flight considerations. The evaluations and determinations required by this Part should be carried out by the personnel most familiar with the particular aircraft and flight operations and related systems in question (versus an outside entity such as the airport authority).

#### **6.S.4.2 Management of Runoff**

Minimize the discharge of pollutants in storm water from deicing chemicals in runoff. To minimize the discharge of pollutants in storm water from aircraft deicing, implement runoff management control measures such as the following, where determined to be feasible and that accommodate considerations of safety, space, operational constraints, and flight considerations (list not exclusive): installing a centralized deicing pad to recover deicing fluid following application; plug-and-pump (PnP); using vacuum/collection trucks (glycol recovery vehicles); storing contaminated storm water/deicing fluids in tanks; recycling collected deicing fluid where feasible; releasing controlled amounts to a publicly owned treatment works; separation of contaminated snow; conveying contaminated runoff into a storm water impoundment for biochemical decomposition (be aware of wildlife that may prove hazardous to flight operations); and directing runoff into vegetative swales or other infiltration measures. Minimize discharge of pollutants in storm water from runway deicing through implementation of runoff management control measures such as the following, where determined to be feasible and that accommodate considerations of safety, space, operational constraints, and flight considerations (list not exclusive): mechanical systems (snow plows, brushes); conveying contaminated runoff into swales and/or a storm water impoundment; and pollution prevention practices such as ice detection systems and airfield pre-wetting. When applying deicing fluids during non-precipitation events (also referred to as “clear ice deicing”), implement control measures to prevent unauthorized discharge of pollutants (dry-weather discharges of pollutants would need coverage under an LPDES wastewater permit), or to minimize the discharge of pollutants from deicing fluids in later storm water discharges, implement control measures such as the following, where feasible and that accommodate considerations of safety, space, operational constraints, and flight considerations (list not exclusive): recovering deicing fluids; preventing the fluids from entering storm sewers or other storm water discharge conveyances (e.g., covering storm sewer inlets, using booms, installing absorptive interceptors in the drains); and releasing controlled amounts to a publicly-owned treatment works. Used deicing fluids should be recycled whenever practicable.

#### **6.S.4.3 Aircraft, Ground Vehicle and Equipment Storage Areas**

Store all aircraft, ground vehicles and equipment awaiting maintenance in designated areas only and implement control measures to minimize the discharge of pollutants in storm water from these storage areas such as the following, where determined to be feasible and that accommodate considerations of safety, space, operational constraints, and flight considerations (list not exclusive): storing aircraft and ground vehicles indoors; using drip pans for the collection of fluid leaks; and perimeter drains, dikes or berms surrounding storage areas, etc.

**6.S.4.4 Material Storage Areas**

Maintain the vessels of stored materials (e.g., used oils, hydraulic fluids, spent solvents, and waste aircraft fuel) in good condition, to prevent or minimize contamination of storm water. Plainly label the vessels (e.g., “used oil,” “Contaminated Jet A,” etc.). To minimize contamination of precipitation/runoff from these areas, implement control measures, such as the following, where determined to be feasible and which accommodate considerations of safety, space, operational constraints, and flight considerations (list not exclusive): storing materials indoors; storing waste materials in a centralized location; and installing berms/dikes around storage areas.

**6.S.4.5 Aircraft, Ground Vehicle, and Equipment Maintenance Areas**

Minimize the contamination of storm water runoff from all areas used for aircraft, ground vehicle, and equipment maintenance (including the maintenance conducted on the terminal apron and in dedicated hangars) through implementation of control measures, such as the following, where determined to be feasible and that accommodate considerations of safety, space, operational constraints, and flight considerations (list not exclusive): performing maintenance activities indoors; maintaining an organized inventory of material used in the maintenance areas; draining all parts of fluids prior to disposal; prohibiting the practice of hosing down the apron or hanger floor; using dry cleanup methods; and collecting the storm water runoff from the maintenance area and providing treatment or recycling.

**6.S.4.6 Aircraft, Ground Vehicle, and Equipment Cleaning Areas**

Clearly demarcate these areas on the ground using signage or other appropriate means. Minimize the contamination of storm water runoff from cleaning areas.

**6.S.4.7 Airport Fuel System and Fueling Areas**

Minimize the discharge of pollutants in storm water from airport fuel system and fueling areas through implementation of control measures, such as the following, where determined to be feasible and that accommodate considerations of safety, space, operational constraints, and flight considerations (list not exclusive): implementing spill and overflow practices (e.g., placing absorptive materials beneath aircraft during fueling operations); using only dry clean-up methods; and collecting the storm water runoff. If the permittee implemented a SPCC plan developed in accordance with the 2006 amendments to the SPCC rule, the permittee may cite the relevant aspects from the facility’s SPCC plan that comply with the requirements of this section in the SWPPP.

**6.S.4.8 Deicing Season**

Determine the seasonal timeframe (e.g., December - February, October - March) during which deicing activities typically occur at the facility. Implementation of control measures, including any BMPs, facility inspections and monitoring must be conducted with particular emphasis throughout the defined deicing season. If the deicing chemical usage thresholds of 100,000 gallons glycol and/or 100 tons of urea are met, the deicing season that was identified by the permittee is the timeframe during which the permittee must obtain the four required benchmark monitoring event results for deicing-related parameters, i.e., BOD, COD, ammonia and pH.

#### **6.S.4.9 Blasting and Painting Area**

Minimize the potential for spent abrasives, paint chips, and overspray to be discharged into receiving waters or the storm sewer system. Contain all blasting and painting activities, or use other measures, to minimize the discharge of contaminants (e.g., hanging plastic barriers or tarpaulins during blasting or painting operations to contain debris). At least once per month, clean storm water conveyances of deposits of abrasive blasting debris and paint chips.

#### **6.S.5 Vehicle and Equipment Wash Water Requirements**

Attach to or reference in the SWPPP, a copy of the LPDES permit issued for vehicle/equipment wash waters or, if an LPDES permit has not been issued, a copy of the pending application. If an industrial user permit is issued under a local pretreatment program, include a copy of it in the SWPPP. In any case, if subject to another permit, describe in the SWPPP the control measures for implementing all non-storm water discharge permit conditions or pretreatment requirements. If wash water is handled in another manner (e.g., hauled offsite, retained on on-site), describe the disposal method and attach all pertinent documentation/information (e.g., frequency, volume, destination, etc.) in the SWPPP.

#### **6.S.6 Inspections**

At a minimum conduct facility inspections at least monthly when deicing occurs during the deicing season (e.g., October through April for most mid-latitude airports). If the facility needs to deice before or after this period, expand the monthly inspections to include all months during which deicing chemicals may be used. The annual comprehensive site inspection must also be conducted when deicing occurs. Additionally, include the following in all quarterly routine inspections: blasting, sanding, and painting areas; material storage areas; aircraft, ground vehicle, and equipment storage, maintenance, and cleaning areas. The LDEQ may specifically require an increase in inspection frequencies.

#### **6.S.7 Documentation of Control Measures Used for Management of Runoff Inspections**

Document in the SWPPP the control measures used for collecting or containing contaminated meltwater from collection areas used for disposal of contaminated snow.

### **SECTOR T. Treatment Works (Applicable to Domestic Treatment Works with a design flow of 1.0 MGD or more)**

#### **6.T.1 Site Map**

Document in the SWPPP where any of the following may be exposed to precipitation or surface runoff: grit, screenings, and other solids handling, storage or disposal areas; sludge drying beds; dried sludge piles; compost piles; septage or hauled waste receiving station; and storage areas for process chemicals, petroleum products, solvents, fertilizers, herbicides and pesticides.

#### **6.T.2 Potential Pollutant Sources**

Document in the SWPPP the following additional sources and activities that have potential pollutants associated with them, as applicable: grit, screenings, and other solids handling, storage, or disposal areas; sludge drying beds; dried sludge piles; compost piles; septage or hauled waste receiving station; and access roads and rail lines.

#### **6.T.3 Employee Training**

At a minimum, training must address the following areas when applicable to a facility: petroleum

product management; process chemical management; spill prevention and controls; fueling procedures; general good housekeeping practices; proper procedures for using fertilizer, herbicides, and pesticides.

#### **6.T.4 Control Measures**

To minimize the discharge of pollutants in storm water, implement control measures, such as the following, where determined to be feasible (list not exclusive): routing storm water to the treatment works or covering exposed materials (i.e., form the following areas: grit, screenings, and other solids handling, storage, or disposal areas; sludge drying beds; dried sludge piles; compost piles; and septage or hauled waste receiving station).

#### **6.T.5 Wastewater and Wash Water Requirements**

Keep a copy of all the facility's current LPDES permits issued for wastewater, industrial, vehicle, and equipment wash water discharges or, if an LPDES permit has not yet been issued, a copy of the pending application(s) with the SWPPP. If the wastewater and/or vehicle and equipment wash water is not covered by another LPDES permit but is handled in another manner (hauled offsite, retained on-site), the disposal method must be described and included in the SWPPP along with all pertinent information (e.g., frequency, volume, destination).

#### **6.T.6 Additional Inspection Requirements (See Part 5.1 also.)**

Include the following areas in all inspections: access roads and rail lines; grit, screenings, and other solids handling, storage, or disposal areas; sludge drying beds; dried sludge piles; compost piles; and septage or hauled waste receiving station.

### **SECTOR U. Food and Kindred Products**

#### **6.U.1 Drainage Area Site Map**

Document in the SWPPP the locations of the following activities if they are exposed to precipitation or runoff: vents and stacks from cooking, drying and similar operations, dry product vacuum transfer lines; animal holding pens; spoiled product; and broken product container storage areas.

#### **6.U.2 Potential Pollutant Sources**

In addition to food and kindred products processing-related industrial activities, document in the SWPPP application and storage of pest control chemicals (e.g., rodenticides, insecticides, fungicides) used on plant grounds.

#### **6.U.3 Employee Training**

Address pest control in the training program.

#### **6.U.4 Additional Inspection Requirements**

Inspect on a quarterly basis, at a minimum, the following areas where the potential for exposure to storm water exists: loading and unloading areas for all significant materials; storage areas, including associated containment areas; waste management units; vents and stacks emanating from industrial activities; spoiled product and broken product container holding areas; animal holding pens; staging areas; and air pollution control equipment.

## **SECTOR V. Textile Mills, Apparel, and Other Fabric Product Manufacturing; Leather and Leather Products**

### **6.V.1 Potential Pollutant Sources**

Document in the SWPPP the following additional sources and activities that have potential pollutants associated with them: industry-specific significant materials and industrial activities (e.g., backwinding, beaming, bleaching, backing bonding, carbonizing, carding, cut and sew operations, de-sizing, drawing, dyeing locking, 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).

### **6.V.2 Employee Training**

Address, at a minimum, the following activities (as applicable): use of reused and recycling waters; solvents management; proper disposal of dyes; proper disposal of petroleum products and spent lubricants; spill prevention and control; fueling procedures; and general good housekeeping practices.

### **6.V.3 Good Housekeeping Measures**

#### **6.V.3.1 Material Storage Area**

Plainly label and store all containerized materials (e.g., fuels, petroleum products, solvents, and dyes) in a protected area, away from drains. Minimize contamination of storm water runoff from such storage areas. Document in the SWPPP the containment area or enclosure for materials stored outdoors. Also consider an inventory control plan to prevent excessive purchasing of potentially hazardous substances. For storing empty chemical drums or containers, ensure that the drums and containers are clean (consider triple-rinsing) and that there is no contact of residuals with precipitation and runoff. Collect and dispose of wash water from these cleanings properly.

#### **6.V.3.2 Material Handling Area**

Minimize contamination of the storm water runoff from material handling operations and areas through implementation of control measures, such as the following, where determined to be feasible: use of spill and overflow protection; covering fueling areas; covering and enclosing areas where the transfer of material may occur. When applicable, address the replacement or repair of leaking connections, valves, transfer lines, and pipes that may carry chemicals, dyes, or wastewater.

#### **6.V.3.3 Fueling Areas**

Minimize contamination of storm water runoff from fueling areas through implementation of control measures, such as the following where determined to be feasible: covering the fueling area, using spill and overflow protection, minimizing storm water run-on to the fueling areas, using dry clean-up methods, and treating and/or recycling storm water runoff collected from the fueling area.

#### **6.V.3.4 Above-Ground Storage Tank Area**

Minimize contamination of the storm water runoff from above ground storage tank areas, including the associated piping and valves through implementation of control measures, such as the following where determined to be feasible (list not exclusive): regular clean-up of these areas; including measures for tanks, piping, and valves explicitly in the

facility's SPC program; minimizing storm water runoff from adjacent areas; restricting access to the area; inserting filters in adjacent catch basins; providing absorbent booms in unbermed fueling areas; using dry clean-up methods; and permanently sealing drains within critical areas that may discharge to a storm drain.

#### **6.V.4 Inspections**

Inspect, at least monthly, the following activities and areas (at a minimum): transfer and transmission lines, spill prevention, good house-keeping practices, management of process waste products, and all structural and non-structural management practices.

### **SECTOR W. Furniture and Fixtures**

#### **6.W.1 Drainage Area Site Map**

Document in the SWPPP where the following may be exposed to precipitation or surface runoff: material storage (including tanks or other vessels used for liquid or waste storage) areas; outdoor material processing areas; areas where wastes are treated, stored, or disposed; access roads; and rail spurs.

### **SECTOR X. Printing and Publishing**

#### **6.X.1 Drainage Area Site Map**

Document in the SWPPP where any of the following may be exposed to precipitation: above-ground storage tanks, drums, and barrels permanently stored outside.

#### **6.X.2 Employee Training**

Address, at a minimum, the following activities (as applicable): spent solvent management; spill prevention and control; used oil management; fueling procedures; and general good housekeeping practices.

#### **6.X.3 Good Housekeeping Measures**

##### **6.X.3.1 Material Storage Areas**

Plainly label and store all containerized materials (e.g., skids, pallets, solvents, bulk inks, hazardous waste, empty drums, portable and mobile containers of plant debris, wood crates, steel racks, and fuel oil) in a protected area, away from drains. Minimize contamination of the storm water runoff from such storage areas. Document in the SWPPP the containment area or enclosure for materials stored outdoors. Also consider an inventory control plan to prevent excessive purchasing of potentially hazardous substances.

##### **6.X.3.2 Material Handling Areas**

Minimize contamination of the storm water runoff from material handling operations and areas (e.g., blanket wash, mixing solvents, loading/unloading materials) through implementation of control measures, such as the following where determined to be feasible (list not exclusive): using spill and overflow protection, covering fuel areas, and covering or enclosing areas where the transfer of materials may occur. When applicable, address the replacement or repair of leaking connections, valves, transfer lines, and pipes that may carry chemicals or wastewater.

#### **6.X.3.3 Fueling Areas**

Minimize contamination of the storm water runoff from fueling areas through implementation of control measures, such as the following (where determined to be feasible (list not exclusive): covering the fueling area, using spill and overflow protection, minimizing storm water runoff to the fueling areas, using dry clean-up methods, and treating and/or recycling storm water runoff collected from the fueling area.

#### **6.X.3.4 Above-ground Storage Tank Areas**

Minimize contamination of the storm water runoff from above-ground storage tank areas, including the associated piping and valves through implementation of control measures such as the following, where determined to be feasible (list not exclusive): regularly cleaning these areas, explicitly addressing tanks, piping, and valves in the facility's SPC program, minimizing storm water runoff from adjacent areas, restricting access to the area; inserting filters in adjacent catch basins, providing absorbent booms in unbermed fueling areas, using dry clean-up methods, and permanently sealing drains within critical areas that may discharge to a storm drain.

### **SECTOR Y. Rubber, Miscellaneous Plastic Products, and Miscellaneous Manufacturing Industries**

#### **6.Y.1 Potential Pollutant Sources for Rubber Manufacturer**

Document in the SWPPP the use of zinc at the facility and the possible pathways through which zinc may be discharged in storm water runoff.

#### **6.Y.2 Controls for Rubber Manufacturers**

Minimize the discharge of zinc in the facility's storm water discharges. Parts 6.Y.2.1 to 6.Y.2.5 provide the possible zinc sources to be reviewed and a list of control measures to be implemented where determined to be feasible. Implement additional control measure, such as the following, where determined to be feasible (list not exclusive): use chemicals purchased in pre-weighed, sealed polyethylene bags; store in-use materials in sealable containers, ensuring an air space between the container and the cover to minimize "puffing" losses when the container is opened; and use automatic dispensing and weighing equipment.

##### **6.Y.2.1 Zinc Bags**

Ensure proper handling and storage of zinc bags at the facility through implementation of control measures such as the following, where determined to be feasible (list not exclusive): employee training regarding the handling and storage of zinc bags; indoor storage of zinc bags; clean-up of zinc spills without washing the zinc into the storm drain; and the use of 2,500-pound sacks of zinc rather than 50- to 100-pound sacks.

##### **6.Y.2.2 Dumpsters**

Minimize the discharge of zinc from dumpsters through implementation of control measures, such as the following, where determined to be feasible (list not exclusive): covering the dumpster; moving the dumpster indoors; and providing a lining for the dumpster.

##### **6.Y.2.3 Dust Collectors and Baghouses**

Minimize the contributions of zinc to storm water runoff from dust collectors and baghouses. Replace or repair, as appropriate, improperly operating dust collectors and baghouses.

**6.Y.2.4 Grinding Operations**

Minimize the storm water contamination resulting from dust generation from rubber grinding operations. Where determined to be feasible, install a dust collection system.

**6.Y.2.5 Zinc Stearate Coating Operations**

Minimize the potential for storm water contamination from drips and spills of zinc stearate slurry that may be released to the storm drain. Where determined to be feasible, use alternative compounds to zinc stearate.

**6.Y.3 Controls for Plastic Products Manufacturers**

All plastic products manufacturers must **prevent** the discharge of plastic resin pellets in storm water discharges through implementation of control measures such as the following, where determined to be feasible (list not exclusive): spill minimization, prompt and thorough clean-up of spills, employee education, thorough sweeping, pellet capture, and disposal precautions.

**SECTOR Z. Leather Tanning and Finishing**

**6.Z.1 Drainage Area Site Map**

Identify where any of the following may be exposed to precipitation or surface runoff: processing and storage areas of the beamhouse, tanyard, and re-tan wet- and dry-finishing operations.

**6.Z.2 Potential Pollutant Sources**

Document in the SWPPP the following sources and activities that have potential pollutants associated with them (as appropriate): temporary or permanent storage of fresh and brine-cured hides; extraneous hide substances and hair; leather dust, scraps, trimmings, and shavings.

**6.Z.3 Good Housekeeping Measures**

**6.Z.3.1 Storage Areas for Raw, Semi-processed, or Finished Tannery By-products**

Minimize contamination of storm water runoff from pallets and bales of raw, semi-processed, or finished tannery by-products (e.g., splits, trimmings, shavings, etc.). Store or protect indoors with polyethylene wrapping, tarpaulins, roofed storage, etc. where practicable. Place materials on an impermeable surface and enclose or put berms (or equivalent measures) around the area to prevent storm water run-on and runoff where practicable.

**6.Z.3.2 Material Storage Areas**

Label storage containers of all materials (e.g., specific chemicals, hazardous materials, spent solvents, waste materials) and minimize contact with storm water.

**6.Z.3.3 Buffing and Shaving Areas**

Minimize contamination of storm water runoff with leather dust from buffing and shaving areas through implementation of control measures, such as the following, where determined to be feasible (list not exclusive): implementing dust collection enclosures, preventive inspection and maintenance programs, or other appropriate preventive measures.

**6.Z.3.4 Receiving, Unloading, and Storage Areas**

Minimize contamination of storm water runoff from receiving, unloading, and storage areas. If these areas are exposed, implement control measures, such as the following, where determined to be feasible (list not exclusive): covering all hides and chemical supplies; diverting drainage to the process sewer; or grade-berming or curbing the area to prevent storm water runoff.

**6.Z.3.5 Outdoor Storage of Contaminated Equipment**

Minimize contact of storm water with contaminated equipment through implementation of control measures, such as the following, where determined to be feasible (list not exclusive): covering equipment, diverting drainage to the process sewer, and cleaning thoroughly prior to storage.

**6.Z.3.6 Waste Management**

Minimize contamination of storm water runoff from waste storage areas through implementation of control measures, such as the following, where determined to be feasible (list not exclusive): covering dumpsters; moving waste management activities indoors; covering waste piles with temporary covering material, such as tarpaulins or polyethylene; and minimizing storm water runoff by enclosing the area or building berms around the area.

**SECTOR AA. Fabricated Metal Products**

**6.AA.1 Drainage Area Site Map**

Document in the SWPPP where the following may be exposed to precipitation or surface runoff: raw metal storage areas; finished metal storage areas; scrap disposal collection sites; equipment storage areas; retention and detention basins; painting; sanding; blasting; temporary and permanent diversion dikes or berms; right-of-way or perimeter diversion devices; sediment traps and barriers; processing areas, including outside painting areas; wood preparation; recycling; and raw material storage.

**6.AA.2 Potential Pollutant Sources**

Document in the SWPPP the following additional sources and activities that have potential pollutants associated with them: loading and unloading operations for paints, chemicals, and raw materials; outdoor storage activities for raw materials, paints, empty containers, corn cobs, chemicals, and scrap metals; outdoor manufacturing or processing activities such as grinding, cutting, degreasing, buffing, and brazing; on-site waste disposal practices for spent solvents, sludge, pickling baths, shavings, ingot pieces, and refuse and waste piles.

**6.AA.3 Good Housekeeping Measures**

**6.AA.3.1 Raw Steel Handling Storage**

Minimize the generation of and/or recover and properly manage scrap metals, fines, and iron dust. Include measures for containing materials within storage handling areas.

**6.AA.3.2 Paints and Painting Equipment**

Minimize exposure of paint and painting equipment to storm water.

**6.AA.3.3 Blasting and Painting Area**

Minimize the potential for spent abrasives, paint chips, and overspray to be discharged into receiving waters or the storm sewer system. Contain all blasting and painting activities, or use other measures, to minimize the discharge of contaminants (e.g., hanging plastic barriers or tarpaulins during blasting or painting operations to contain debris). At least once per month, clean storm water conveyances of deposits of abrasive blasting debris and paint chips.

**6.AA.4 Spill Prevention and Response Procedures**

Ensure that the necessary equipment to implement a clean-up is available to personnel. The following areas should be addressed:

**6.AA.4.1 Metal Fabricating Areas**

Maintain clean, dry, orderly conditions in these areas. Use dry clean-up techniques where practicable.

**6.AA.4.2 Storage Areas for Raw Metal**

Keep these areas free of conditions that could cause or impede an expeditious response to spills or leakage of materials by implementing control measures, such as the following where determined to be feasible (list not exclusive): maintaining storage areas so that there is easy access in the event of a spill and labeling stored materials to aid in identifying spill contents.

**6.AA.4.3 Metal Working Fluid Storage Areas**

Minimize the potential for storm water contamination from storage areas for metal-working fluids.

**6.AA.4.4 Cleaners and Rinse Water**

Control and clean-up spills of solvents and other liquid cleaners, control sand build-up and disbursement from sand-blasting operations, and prevent exposure of recyclable wastes. Substitute environmentally-benign cleaners when possible.

**6.AA.4.5 Lubricating Oil and Hydraulic Fluid Operations**

Minimize the potential for storm water contamination from lubricating oil and hydraulic fluid operations. Use monitoring equipment or other devices to detect and control leaks and overflows where feasible. Install perimeter controls, such as, dikes, curbs, grass filter strips, or other equivalent measures where feasible.

**6.AA.4.6 Chemical Storage Areas**

Minimize storm water contamination and accidental spillage in chemical storage areas. Include a program to inspect containers and identify proper disposal methods.

**6.AA.5 Spills and Leaks**

In the facility's spill prevention and response procedures, required in Part 3.1.4, pay attention to the following materials (at a minimum): chromium, toluene, pickle liquor, sulfuric acid, zinc and other water priority chemicals, and hazardous chemicals and wastes. Include a program to inspect containers and identify proper disposal methods.

**6.AA.6 Inspections**

All inspections must, at a minimum, include recycling areas; loading and unloading areas; paint blasting, and sanding areas; fueling and maintenance areas; drainage from roof; and the following storage areas: raw metal, finished product, material and chemical, spent solvents, and chemical, and equipment. Potential pollutants include chromium, zinc, lubricating oil, solvents, aluminum, oil and grease, methyl ethyl ketone, steel, and other related materials.

**SECTOR AB. Transportation Equipment, Industrial or Commercial Machinery**

**6.AB.1 Drainage Area Site Map**

Identify in the SWPPP where vents and stacks from metal processing and similar operations may be exposed to precipitation or surface runoff.

**6.AB.2 Good Housekeeping Measures**

**6.AB.2.1 Blasting and Painting Area**

Minimize the potential for spent abrasives, paint chips, and overspray to be discharged into receiving waters or the storm sewer system. Contain all blasting and painting activities, or use other measures, to minimize the discharge of contaminants (e.g., hanging plastic barriers or tarpaulins during blasting or painting operations to contain debris). At least once per month, clean storm water conveyances of deposits of abrasive blasting debris and paint chips.

## **PART 7: DEFINITIONS, ABBREVIATIONS, AND ACRONYMS**

### **7.1 Definitions**

**Action Area** – all areas to be affected directly or indirectly by the storm water discharges, allowable non-storm water discharges, and storm water discharge-related activities, and not merely the immediate area involved in these discharges and activities.

**Active Coal Mining Facility** – a place where work or other related activity to the extraction, removal, or recovery of coal 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 work has begun. This definition is derived from the definition of “active mining area” found at 40 CFR 434.11(b).

**Active Metal Mining Facility** – 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 work has begun. This definition is derived from the definition of “active mining area” found at 40 CFR 440.132(a).

**Active Mineral Mining Facility** – a place where work or other related activity to the extraction, removal, or recovery of non-metallic minerals is being conducted. The term “mine” shall mean an area of land, surface or underground, actively mined for the production of the following: crushed and broken stone from natural deposits or sand and gravel from natural deposits (See 40 CFR 436.21(d), 436.31(d), and 436.41(d)).

**Active phase** – activities including the extraction, removal or recovery of minerals. For surface mines, this definition does not include any land where grading has returned the earth to a desired contour and reclamation work has begun. This definition is derived from the definition of “active mining area” found at 40 CFR 440.132(a) for facilities in Sector J and at 40 CFR 434.11(b) for facilities in Sector H and the definition of “mine” found at 40 CFR 436.21(d), 436.31(d), and 436.41(d). The active phase is considered part of “mining operations”.

**Agency** - the Louisiana Department of Environmental Quality.

**Arid Climate** – areas where annual rainfall averages from 0 to 10 inches.

**Base Flood Elevation (BFE)** – the elevation of surface water resulting from a flood that has a 1% chance of equaling or exceeding that level in any given year. The BFE is shown on the Flood Insurance Rate Map (FIRM) for zones AE, AH, A1–A30, AR, AR/A, AR/AE, AR/A1– A30, AR/AH, AR/AO, V1–V30 and VE. (Source: <https://www.fema.gov/node/404233>). The FEMA Flood Map Service Center can be accessed through <https://msc.fema.gov/portal/search>.

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

**Co-located Industrial Activities** – any industrial activities, excluding the primary industrial activity(ies), located on-site that are defined by the storm water regulations at LAC 33:IX.2511.B.5.14.a-i and k. An activity at a facility is not considered co-located if the activity, when considered separately, does not meet the description of a category of industrial activity covered by the storm water regulations or identified by the SIC code list in TABLE 1.

**Construction phase** – includes the building of site access roads and removal of overburden and waste rock to expose mineable minerals. The construction phase is not considered part of “mining operations”.

**Contaminated storm water** – a storm water discharge that causes or contributes to an exceedance of applicable water quality standards and includes pollutants attributed to industrial activity; specific to landfills, storm water which comes in direct contact with landfill wastes, the waste handling and treatment areas, or landfill wastewater. Some specific areas of a landfill that may produce contaminated storm water include (but are not limited to): the open face of an active landfill with exposed waste (no cover added); the areas around wastewater treatment operations; trucks, equipment or machinery that has been in direct contact with the waste; and waste dumping areas.

**Control Measure** - refers to any storm water control or other method, including effluent limitations, used to prevent or reduce the discharge of pollutants to waters of the State.

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

**Clean Water Act (CWA)** - the Clean Water Act or the Federal Water Pollution Control Act, 33 U.S.C. 1251 et seq.

**Discharge** - when used without qualification means the "discharge of a pollutant."

**Discharge of a Pollutant** – any addition of any “pollutant” or combination of pollutants to waters of the state from any point source, or any addition of any pollutant or combination of pollutants to the waters of the contiguous zone or the ocean from any point source other than a vessel or other floating craft which is being used as a means of transportation. This definition includes additions of pollutants into waters of the state from: surface runoff which is collected or channeled by man; discharges through pipes, sewers, or other conveyances owned by a state, municipality, or other person which do not lead to a treatment works; and discharges through pipes, sewers, or other conveyances, leading into privately owned treatment works. This term does not include an addition of pollutants by any indirect discharger.

**Discharge of Storm Water Associated with Construction Activity** - as used in this permit, refers to a discharge of pollutants in storm water runoff from areas where soil disturbing activities (e.g., clearing, grading, or excavation), construction materials or equipment storage or maintenance (e.g., fill piles, borrow areas, concrete truck washout, fueling), or support activities related to the construction process are located. (See LAC 33:IX.2511.B.14.j and LAC 33:IX.2511.B.15 for the two regulatory definitions on regulated storm water associated with construction sites).

**Discharge of Storm Water Associated with Industrial Activity** - as defined at LAC 33:IX.2511.B.14, is the discharge from any conveyance which is used for collecting and conveying storm water and which 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 LPDES program under LAC 33:IX.Chapter 23.Subchapter A-D. For the categories of industries identified in LAC 33:IX.2511.B.14.a-j, the term includes, but is not limited to, storm water 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 wastewaters (as defined at 40 CFR part 401); 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 finished products; and areas where industrial activity has taken place in the past and significant materials remain and are exposed to storm water. For the categories of industries identified in LAC 33:IX.2511.B.14.k, the term includes only storm water discharges from all the areas (except access roads and rail lines) that are listed in the previous sentence where material handling equipment or activities, raw materials, intermediate products, final products, waste materials, by-products, or industrial machinery are exposed to storm water. For the purposes of this Paragraph, material handling activities include the storage, loading and unloading, transportation, or conveyance of any raw material, intermediate product, finished 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 storm water drained from the above described areas. Industrial facilities (including industrial facilities that are federally, state, or municipally owned or operated that meet the description of the facilities listed in LAC 33:IX.2511.B.14.a-k) include those facilities designated under the provisions of LAC 33:IX.2511.A.1.e. The following categories of facilities are considered to be engaging in industrial activity for purposes of this Subsection:

a. facilities subject to storm water effluent limitations guidelines, new source performance standards, or toxic pollutant effluent standards under 40 CFR subpart N (See LAC 33:IX.2533) (except facilities with toxic pollutant effluent standards which are exempted under the category in LAC 33:IX.2511.B.14.k);

b. facilities classified as Standard Industrial Classifications 24 (except 2434), 26 (except 265 and 267), 28 (except 283), 29, 31, 32 (except 323), 33, 344, 373;

c. facilities classified as Standard Industrial Classifications 10-14 (mineral industry) including active or inactive mining operations (except for areas of coal mining operations no longer meeting the definition of a reclamation area under 40 CRF 434.11(1) because the performance bond issued to the facility by the appropriate SMCRA authority has been released, or except for areas of non-coal mining operations which have been released from applicable state or federal reclamation requirements after December 17, 1990) and oil and gas exploration, production, processing, or treatment operations, or transmission facilities that discharge storm water 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; (inactive mining operations are mining sites that are not being actively mined, but which have an identifiable owner/operator; inactive mining sites do not include sites where mining claims are

being maintained prior to disturbances associated with the extraction, beneficiation, or processing of mined materials, nor sites where minimal activities are undertaken for the sole purpose of maintaining a mining claim);

d. hazardous waste treatment, storage, or disposal facilities, including those that are operating under interim status or a permit under subtitle C of RCRA;

e. landfills, land application sites, and open dumps that receive or have received any industrial wastes (waste that is received from any of the facilities described under this subsection) including those that are subject to regulation under subtitle D of RCRA;

f. facilities involved in the recycling of materials, including metal scrapyards, battery reclaimers, salvage yards, and automobile junkyards, including but limited to those classified as Standard Industrial Classification 5015 and 5093;

g. steam electric power generating facilities, including coal handling sites

h. transportation facilities classified as Standard Industrial Classifications 40, 41, 42 (except 4221-25), 43, 44, 45, and 5171 which have vehicle maintenance shops, equipment cleaning operations, or airport deicing operations. 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, airport deicing operations, or which are otherwise identified under LAC 33:IX.2511.B.14.a-g or i-k are associated with industrial activity;

i. 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 land 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 LAC 33:IX.Chapter 23.Subchapter T. Not included are farm lands, domestic gardens or lands used for sludge management where sludge is beneficially reused and which are not physically located in the confines of the facility, or areas that are in compliance with section 405 of the Clean Water Act;

j. construction activity including clearing, grading and excavation activities except: operations that result in the disturbance of less than five acres of total land area which are not part of a larger common plan of development or sale;

k. facilities under Standard Industrial Classifications 20, 21, 22, 23, 2434, 25, 265, 267, 27, 283, 30, 31 (except 311), 323, 34 (except 3441), 35, 36, 37 (except 373), 38, 39, 4221-25, (and which are not otherwise included within categories in LAC 33:IX.2511.B.14.b-j);

**Discharge-related activities** – activities that cause, contribute to, or result in storm water and allowable non-storm water point source discharges, and measures such as the siting, construction and operation of BMPs/control measures to control, reduce, or prevent pollutant in the discharges.

**Drained free liquids** – aqueous wastes drained from waste containers (e.g., drums, etc.) prior to landfilling.

**Drought-stricken area** – a period of below average water content in streams, reservoirs, ground-water aquifers, lakes and soils.

**Dry weather discharge** - as used in this permit, refers to a discharge generated by processes other than those included in the definition of storm water.

**Environmental Affairs Act** - was enacted to maintain a “healthful and safe environment in Louisiana.” It created the Office of Environmental Affairs within the Department of Natural Resources as well as the Environmental Control Commission to carry out its purposes. In 1983, the Act was renamed the Environmental Quality Act.

**Existing Discharger** – an operator applying for coverage under this permit for discharges authorized previously under an LPDES general or individual permit.

**Exploration phase** – entails exploration and land disturbance activities to determine the financial viability of a site. The exploration phase is not considered part of mining operations.

**Facility or Activity** - any LPDES "point source" or any other facility or activity (including land or appurtenances thereto) that is subject to regulation under the LPDES program.

**Final Stabilization** – a site or portion of a site is “finally stabilized” when it has implemented all applicable Federal and State reclamation requirements.

**Impaired Water** (or “Water Quality Impaired Water” or “Water Quality Limited Segment”) – A water is impaired for purposes of this permit if it has been identified by a State or the EPA pursuant to Section 303(d) of the CWA as not meeting applicable State water quality standards (these waters are called “water quality limited segments” under 40 CFR 130.2(j)). Impaired waters include both waters with approved or established TMDLs, and those for which a TMDL has not yet been approved or established.

**Inactive Coal Mining Facility** – a site or portion of a site where coal mining and/or milling occurred in the past but is not an active facility, as defined in this permit, and where the inactive portion is not covered by active mining permit issued by the applicable State or Federal agency. An inactive mineral mining facility has an identifiable owner/operator. Sites where mining claims are being maintained prior to disturbances associated with the extraction, beneficiation, or processing of mined materials, and sites where minimal activities are undertaken for the sole purpose of maintaining a mining claim are not considered either active or inactive mining facilities and do not require an LPDES industrial storm water permit.

**Inactive Metal Mining Facility** – a site or portion of a site where metal mining and/or milling activities occurred in the past but is not an active facility, as defined in this permit, and where the inactive portion is not covered by an active mining permit issued by the applicable State or Federal agency. An inactive mineral mining facility has an identifiable owner/operator. Sites where mining claims are being maintained prior to disturbances associated with the extraction, beneficiation, or processing of mined materials, and sites where minimal activities are undertaken for the sole purpose of maintaining a mining claim are not considered either active or inactive mining facilities and do not require an LPDES industrial storm water permit.

**Inactive Mineral Mining Facility** – a site or portion of a site where mineral mining and/or milling occurred in the past but is not an active facility, as defined in this permit, and where the inactive portion is not covered by active mining permit issued by the applicable State or Federal agency. An inactive mineral mining facility has an identifiable owner/operator. Sites where mining claims are being maintained prior to disturbances associated with the extraction, beneficiation, or processing of mined materials, and sites where minimal activities are undertaken for the sole purpose of maintaining a mining claim are not considered either active or inactive mining facilities and do not require an LPDES industrial storm water permit.

**Industrial Activity** - the ten categories of industrial activities included in the definition of “discharges of storm water associated with industrial activity”.

**Industrial Storm Water** - storm water runoff from industrial activity.

**Landfill** – an area of land or an excavation in which wastes are placed for permanent disposal, but that is not a land application or a land treatment unit, surface impoundment, underground injection well, waste pile, salt dome formation, salt bed formation, an underground mine, or a cave as these terms are defined in 40 CFR 257.2, 258.2, and 260.10.

**Landfill process wastewater** – as defined in 40 CFR Part 445 (Landfills Point Source Category) all wastewaters associated with, or produced by, landfilling activities except for sanitary wastewater, non-contaminated storm water, contaminated groundwater, and wastewater from recovery pumping wells. Landfill process wastewaters include, but are not limited to, leachate, gas collection condensate, drained free liquids, laboratory derived wastewater, contaminated storm water and contact wash water from washing truck, equipment, and railcar exteriors and surface areas which have come in direct contact with solid waste at the landfill facility

**Leachate** – liquid that has passed through or emerged from solid waste and contains soluble, suspended, or miscible materials removed from such waste.

**Mining operation** – consists of the active and temporarily inactive phases and the reclamation phase but excludes the exploration and construction phases.

**Municipal Separate Storm Sewer System (MS4)** - a separate storm sewer that is defined as large, medium, or small municipal separate storm sewer system in accordance with LAC 33:IX.2511.B.4, 7, and 16. It is a conveyance or system of conveyances (including roads with drainage systems, municipal streets, catch basins, curbs, gutters, ditches, man-made channels, or storm drains):

- (i) 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, storm water, or other wastes, including special districts under state law such as a sewer district, flood control district or drainage district, or similar entity, or a designated and approved management agency under section 208 of the CWA that discharges to water of the state;
- (ii) Designed or used for collection or conveying storm water;
- (iii) Which is not a combined sewer; and

(iv) Which is not part of a Publicly Owned Treatment Works (POTW) as defined in LAC 33:IX.2313.

**New Discharger** – a facility from which there is or may be a discharge, that did not commence the discharge of pollutants at a particular site prior to August 13, 1979, which is not a new source and has never received a finally effective LPDES permit for discharges at the site.

**New Source** – any building, structure, facility, or installation from which there is or may be a “discharge of pollutants,” the construction of which commenced:

- after promulgation of standards of performance under section 306 of the CWA which are applicable to such source, or
- after proposal of standards of performance in accordance with section 306 of the CWA which are applicable to such source, but only if the standards are promulgated in accordance with section 306 within 120 days of their proposal. See LAC 33:IX.2313.

**New Source Performance Standards (NSPS)** – technology-based standards for facilities that qualify as new sources under 40 CFR 122.2 and 40 CFR 122.29.

**No Exposure** – all industrial materials or activities are protected by a storm-resistant shelter to prevent exposure to rain, snow, snowmelt, and/or runoff. See 40 CFR 122.26(g) and/or LAC 33:IX.2511.G.

**No Exposure Certification** – the form required for exclusion from permit coverage by the MSGP based on a facility qualifying for and satisfying the condition of no exposure.

**Non-Contaminated or Uncontaminated Storm Water** – storm water discharges that do not cause or contribute to an exceedance of applicable water quality standards and are free from the presence of pollutants attributed to industrial activity. Specific to landfills, it means storm water which does not come into direct contact with landfill wastes, the waste handling and treatment areas, or landfill wastewater. Non-contaminated storm water includes storm water which flows off the cap, interim compacted cover, and / or final cover of the landfill.

**Notice of Intent (NOI)** – the form required for authorization of permit coverage by the MSGP.

**Notice of Termination (NOT)** - the form required for termination of permit coverage by the MSGP

**Office** - the Office of Environmental Services of the Louisiana Department of Environmental Quality.

**Operator** – any party with a storm water discharge associated with industrial activity that meets either of the following two criteria:

- (i) The party has operational control over industrial activities, including the ability to modify those activities; or
- (ii) The party has day-to-day operational control of activities at a facility necessary to ensure compliance with the permit (e.g., the party is authorized to direct workers at a facility to carry out activities required by the permit).

**Outfall** - the point at which wastewater or storm water from a facility is monitored prior to mixing with other waters. An outfall can be identified either at the point that effluent or storm water discharges by pipe from a treatment plant or treatment system **or** the point at which effluent or storm water discharges into a drainage ditch on the property, into a roadside ditch, into a storm drain, or directly into a receiving water body such as a creek, coulee, bayou, canal, or river.

**Owner or Operator** - the owner or operator of any "facility or activity" subject to regulation under the LPDES program.

**Person** – an individual, association, partnership, corporation, municipality, State or Federal agency, or an agent or employee thereof. See 40 CFR 122.2.

**Pile** – any non-containerized accumulation of solid, non-flowing hazardous waste that is used for treatment or storage and that is not a containment building.

**Point Source** - 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, landfill leachate collection system, vessel or other floating craft from which pollutants are or may be discharged. This term does not include return flows from irrigated agriculture or agricultural storm water runoff.

**Pollutant** - for the purposes of the LPDES, as defined in the act, dredged spoil, solid waste, incinerator residue, filter backwash, sewage, garbage, sewage sludge, munitions, chemical wastes, biological materials, radioactive materials, except those regulated under the Atomic Energy Act of 1954, 42 U.S.C. 2011 et seq., as amended, heat, wrecked or discarded equipment, rock, sand, cellar dirt, and industrial, municipal, and agricultural waste discharged into water. For the purposes of the Louisiana Pollutant Discharge Elimination System, as defined in the act, Pollutant does not mean:

1. water, gas, waste, or other material that is injected into a well for disposal in accordance with a permit approved by the Department of Natural Resources or the Department of Environmental Quality; or
2. water, gas, or other material which is injected into a well to facilitate production of oil or gas, or water derived in association with oil and gas production and disposed of in a well, if the well used either to facilitate production or for disposal purposes is approved by authority of the state in which the well is located, and if the state determines that the injection or disposal will not result in the degradation of ground or surface water resources.

**Pollutant of Concern** – A pollutant which causes or contributes to a violation of a water quality standard, including a pollutant which is identified as causing an impairment in a state's 303(d) list.

**Primary Industrial Activity** – includes any activities performed on-site which are (1) identified by the facility's primary SIC code; or (2) included in the narrative descriptions of LAC 33:IX.2511.B.14.(a), (d), (e), or (g), and (i). [For co-located activities covered by multiple SIC codes, it is recommended that the primary industrial determination be 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. 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.] Narrative descriptions in LAC 33:IX.2511.B.14 identified above include: (a) activities subject to storm water effluent limitations guidelines, NSPS, or toxic pollutant effluent standards; (d) hazardous waste treatment storage, or disposal facilities including those that are operating under interim status or a permit under subtitle C of the Resource Conservation and Recovery Act (RCRA); (e) landfills, land application sites and open dumps that receive or have received industrial wastes; (g) steam electric power generating facilities; and (i) sewage treatment works with a design flow of 1.0 mgd or more.

**Qualified Personnel** – those who possess the knowledge regarding industrial storm water controls and pollution prevention, the skills to assess conditions and activities that could impact storm water quality at the facility, and the ability to evaluate the effectiveness of control measures selected to meet the permit requirements.

**Reclamation phase** – activities undertaken, in compliance with applicable mine land reclamation requirements following the cessation of the “active phase”, intended to return the land to an appropriate post-mining land use. The reclamation phase is considered part of the “mining operations”.

**Reportable Quantity (RQ)** is the amount of oil that violates applicable water quality standards or causes a film or sheen upon or a discoloration of the surface of the water or adjoining shorelines or causes a sludge or emulsion to be deposited beneath the surface of the water or upon adjoining shorelines.

**Reportable Quantity Release** – a discharge of oil or a hazardous substance (for which notification is required pursuant to either 40 CFR 117.21, or 40 CFR 302.6, or 110.6) occurs at the facility or if the facility contributes to a violation of a water quality standard (pursuant to 40 CFR 110.3). Discharges of oil in such quantities that the Administrator has determined may be harmful is defined in 40 CFR 110. (Per 40 CFR Part 110.3, “For purposes of section 311(b)(4) of the Act, discharges of oil in such quantities that the Administrator has determined may be harmful to the public health or welfare or the environment of the United States include discharges of oil that: (a) Violate applicable water quality standards; or (b) Cause a film or sheen upon or discoloration of the surface of the water or adjoining shorelines or cause a sludge or emulsion to be deposited beneath the surface of the water or upon adjoining shorelines.”)

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

**Secretary** - the Secretary of the Louisiana Department of Environmental Quality.

**Semi-Arid Climate** – areas where annual rainfall averages from 10 to 20 inches.

**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 313 of 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 storm water discharges. See LAC 33:IX.2511.B.12.

**Special Aquatic Sites**, as defined at 40 CFR 230.3(q-1), means those sites identified in 40 CFR 230 Subpart E. They are geographic areas, large or small, possessing special ecological characteristics of productivity, habitat, wildlife protection, or other important and easily disrupted ecological values. These areas are generally recognized as significantly influencing or positively contributing to the general overall environmental health or vitality of the entire ecosystem of a region. (See 40 CFR 230.10(a)(3)).

**Storm Water** - storm water runoff, snow melt runoff, and surface runoff and drainage.

**Storm Water Pollution Prevention Plan (SWPPP)** - a plan that describes a process whereby a facility thoroughly evaluates potential pollutant sources at a site and selects and implements appropriate measures designed to prevent or control the discharge of pollutants in storm water runoff.

**Surface impoundment** – a facility or part of a facility which is a natural topographic depression, man-made excavation, or diked area formed primarily of earthen materials (although it may be lined with man-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.

**Temporarily Inactive Coal Mining Facility** – a site or portion of a site where coal 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 State or Federal agency.

**Temporarily Inactive Metal Mining Facility** – a site or portion of a site where metal mining and/or milling activities occurred in the past, but currently are not being actively undertaken, and the facility has an active mining permit issued by this Office that authorizes mining at the site.

**Temporarily Inactive Mineral Mining Facility** – a site or portion of a site where metal mining and/or milling activities 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 State or Federal agency.

**Total Maximum Daily Loads (TMDLs)** – A TMDL is a calculation of the maximum amount of a pollutant that a water body can receive and still meet water quality standards, and an allocation of that amount to the pollutant's sources. A TMDL includes wasteload allocations (WLAs) for point source discharges; load allocations (LAs) for nonpoint sources and/or natural background, and must include a margin of safety (MOS) and account for seasonal variations. (See section 303(d) of the CWA and 40 CFR 130.2 and 130.7).

**Water Quality Impaired** – See definition of “Impaired Water”.

**Water Quality Standards** – A water quality standard defines the water quality goals of a water body, or portion thereof, by designating the use or uses to be made of the water and by setting criteria necessary to protect the uses. States and the EPA adopt water quality standards to protect public health or welfare, enhance the quality of water and serve the purposes of the CWA (See CWA sections 101(a)2 and 303(c)). Water quality standards also include an antidegradation policy, implementation plan, and any procedures incorporated into the water quality standards by reference.

## 7.2 Abbreviations and Acronyms

BAT – Best Available Technology Economically Achievable

BCT – Best Conventional Pollutant Control Technology

BOD<sub>5</sub> – Biochemical Oxygen Demand (5-day test)

BMP – Best Management Practice

BPT – Best Practicable Control Technology Currently Available

CERCLA – Comprehensive Environmental Response, Compensation and Liability Act

COD – Chemical Oxygen Demand

CWA – Clean Water Act (or the Federal Water Pollution Control Act, 33 U.S.C. 1251 *et seq*)

CWT – Centralized Waste Treatment

DMR – Discharge Monitoring Report

E-NOI – Electronic Notice of Intent

EPA – U.S. Environmental Protection Agency

ESA – Endangered Species Act

LA – Load Allocations

LPDES – Louisiana Pollutant Discharge Elimination System

MGD – Million Gallons per Day

MOS – Margin of Safety

MS4 – Municipal Separate Storm Sewer System

SCM – Storm Water Control Measure

SDS – Safety Data Sheet

MSGP – Multi-Sector General Permit

NEPA – National Environmental Policy Act

NOI – Notice of Intent

NOT – Notice of Termination

NSPS – New Source Performance Standard

NTU – Nephelometric Turbidity Unit

POTW – Publicly Owned Treatment Works

RCRA – Resource Conservation and Recovery Act  
RQ – Reportable Quantity  
SARA – Superfund Amendments and Reauthorization Act  
SHPO – State Historic Preservation Officer  
SIC – Standard Industrial Classification  
SMCRA – Surface Mining Control and Reclamation Act  
SPC – Spill Prevention and Control  
SPCC – Spill Prevention, Control, and Countermeasure  
SWPPP – Storm Water Pollution Prevention Plan  
TMDL – Total Maximum Daily Load  
TSS – Total Suspended Solids  
USFWS – U.S. Fish and Wildlife Service  
WLA – Wasteload Allocation

## **PART 8: STANDARD PERMIT CONDITIONS FOR LPDES PERMITS**

### SECTION A. GENERAL CONDITIONS

#### 1. Introduction

In accordance with the provisions of LAC 33:IX.2701, et seq., this permit incorporates either expressly or by reference ALL conditions and requirements applicable to the Louisiana Pollutant Discharge Elimination System Permits (LPDES) set forth in the Louisiana Environmental Quality Act (LEQA), as amended, as well as ALL applicable regulations.

#### 2. Duty to Comply

The permittee must comply with all conditions of this permit. Any permit noncompliance constitutes a violation of the Clean Water Act (CWA) and the Louisiana Environmental Quality Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application.

#### 3. Penalties for Violation of Permit Conditions

- a. R.S. 30:2025 provides for civil penalties for violations of these regulations and the Louisiana Environmental Quality Act. R.S. 30:2076.2 provides for criminal penalties for violation of any provisions of the LPDES or any order or any permit condition or limitation issued under or implementing any provisions of the LPDES program. (See Section E. Penalties for Violation of Permit Conditions for additional details.)
- b. Any person may be assessed an administrative penalty by the state administrative authority under R.S. 30:2025 for violating a permit condition or limitation implementing any of the requirements of the LPDES program in a permit issued under the regulations or the Louisiana Environmental Quality Act.

#### 4. Toxic Pollutants

- a. Other effluent limitations and standards under Sections 301, 302, 303, 307, 318, and 405 of the Clean Water Act. If any applicable toxic effluent standard or prohibition (including any schedule of compliance specified in such effluent standard or prohibition) is promulgated under Section 307(a) of the Clean Water Act for a toxic pollutant, and that standard or prohibition is more stringent than any limitation on the pollutant in this permit, the state administrative authority shall institute proceedings under these regulations to modify or revoke and reissue the permit to conform to the toxic effluent standard or prohibition.
- b. The permittee shall comply with effluent standards or prohibitions established under Section 307(a) of the Clean Water Act for toxic pollutants and with standards for sewage sludge use or disposal established under Section 405(d) of the Clean Water Act within the time provided in the regulations that establish these standards or prohibitions, or standards for sewage sludge use or disposal, even if the permit has not yet been modified to incorporate the requirement.

#### 5. Duty to Reapply

- a. Individual Permits. If the permittee wishes to continue an activity regulated by this permit after the expiration date of this permit, the permittee must apply for and obtain a new permit. The new application shall be submitted at least 180 days before the expiration date of the existing permit,

unless permission for a later date has been granted by the state administrative authority. (The state administrative authority shall not grant permission for applications to be submitted later than the expiration date of the existing permit.) Continuation of expiring permits shall be governed by regulations promulgated at LAC 33:IX.2321 and any subsequent amendments.

- b. General Permits. General permits expire five years after the effective date. The 180-day reapplication period as defined above is not applicable to general permit authorizations. Reissued general permits may provide automatic coverage for permittees authorized under the previous version of the permit, and no new application is required. Requirements for obtaining authorization under the reissued general permit will be outlined in Part I of the new permit. Permittees authorized to discharge under an expiring general permit should follow the requirements for obtaining coverage under the new general permit to maintain discharge authorization.

6. Permit Action

This permit may be modified, revoked and reissued, or terminated for cause in accordance with LAC 33:IX.2903, 2905, 2907, 3105, and 6509. The causes may include, but are not limited to, the following:

- a. Noncompliance by the permittee with any condition of the permit;
- b. The permittee's failure in the application or during the permit issuance process to disclose fully all relevant facts, or the permittee's misrepresentation of any relevant facts at any time; or
- c. A determination that the permitted activity endangers human health or the environment and can only be regulated to acceptable levels by permit modification or termination;
- d. A change in any condition that requires either a temporary or a permanent reduction or elimination of any discharge;
- e. Failure to pay applicable fees under the provisions of LAC 33:IX.Chapter 13; or
- f. Change of ownership or operational control.

The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance does not stay any permit condition.

7. Property Rights

This permit does not convey any property rights of any sort, or any exclusive privilege, nor does it authorize any injury to private or public property, nor any infringement of federal, state, or local laws or regulations.

8. Duty to Provide Information

The permittee shall furnish to the state administrative authority, within a reasonable time, any information which the state administrative authority may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. The permittee shall also furnish to the state administrative authority, upon request, copies of records required to be kept by this permit.

9. Criminal and Civil Liability

Except as provided in permit conditions on "Bypassing" and "Upsets," nothing in this permit shall be construed to relieve the permittee from civil or criminal penalties for noncompliance. Any false or materially misleading representation or concealment of information required to be reported by the provisions of the permit, the Act, or applicable regulations, which avoids or effectively defeats the regulatory purpose of the Permit may subject the permittee to criminal enforcement pursuant to R.S. 30:2025.

10. Oil and Hazardous Substance Liability

Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities, or penalties to which the permittee is or may be subject under Section 311 of the Clean Water Act.

11. State Laws

Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee 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.

12. Severability

If any provision of these rules and regulations, or the application thereof, is held to be invalid, the remaining provisions of these rules and regulations shall not be affected, so long as they can be given effect without the invalid provision. To this end, the provisions of these rules and regulations are declared to be severable.

13. Dilution

A permittee shall not achieve any effluent concentration by dilution unless specifically authorized in the permit. A permittee shall not increase the use of process water or cooling water or otherwise attempt to dilute a discharge as a partial or complete substitute for adequate treatment to achieve permit limitations or water quality.

14. Facilities Requiring Approval from Other State Agencies

In accordance with R.S. 40:4(A)(6) the plans and specifications of all sewerage works, both public and private, must be approved by the Louisiana Department of Health state health officer or his designee. It is unlawful for any person, firm, or corporation, both municipal and private, to operate a sanitary sewage treatment facility without proper authorization from the state health officer.

In accordance with R.S. 40:1281.9, it is unlawful for any person, firm or corporation, both municipal and private, operating a sewerage system to operate that system unless the competency of the operator is duly certified by the Louisiana Department of Health state health officer. Furthermore, it is unlawful for any person to perform the duties of an operator without being duly certified.

In accordance with R.S. 48.385, it is unlawful for any industrial wastes, sewage, septic tanks effluent, or any noxious or harmful matter, solid, liquid, or gaseous to be discharged into the side or cross ditches or placed upon the rights-of-ways of state highways without the prior written consent of the Department of Transportation and Development chief engineer or his duly authorized representative and of the secretary of the Louisiana Department of Health.

15. The standards provided in Chapter 11 – Surface Water Quality Standards are official regulations of the state, and any person who discharges pollutants to the waters of the state in such quantities as to cause these standards to be violated shall be subject to the enforcement procedures of the state as specified in R.S. 30:2025.
16. Preproduction Plastics  
In accordance with the House Concurrent Resolution No. 37 from the 2021 Regular Session, there shall be zero discharge or release of preproduction plastic into waters of the state from facilities which manufacture or manage such material. Additionally, facilities which manufacture or manage preproduction plastic must maintain a spill prevention plan onsite or at the nearest manned facility (made available to LDEQ upon request) addressing procedures to prevent and abate any release or discharge of preproduction plastic into the waters of the state.

## SECTION B. PROPER OPERATION AND MAINTENANCE

1. Need to Halt or Reduce not a Defense  
It shall not be a defense for a permittee 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.
2. Duty to Mitigate  
The permittee shall take all reasonable steps to minimize or prevent any discharge or sludge use or disposal in violation of this permit which has a reasonable likelihood of adversely affecting human health or the environment. The permittee shall also take all reasonable steps to minimize or correct any adverse impact on the environment resulting from noncompliance with the permit, including such accelerated or additional monitoring as necessary to determine the nature and impact of the noncomplying discharge.
3. Proper Operation and Maintenance
  - a. The permittee 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 permittee to achieve compliance with the conditions of this permit. Proper operation and maintenance also includes adequate laboratory controls and appropriate quality assurance procedures. This provision requires the operation of backup or auxiliary facilities or similar systems which are installed by a permittee only when the operation is necessary to achieve compliance with the conditions of the permit.
  - b. The permittee shall provide an adequate operating staff which is duly qualified to carry out operation, maintenance, and other functions necessary to ensure compliance with the conditions of this permit.
4. Bypass of Treatment Facilities
  - a. Bypass. The intentional diversion of waste streams from any portion of a treatment facility.
  - b. Bypass not exceeding limitations. The permittee may allow any bypass to occur which does not cause effluent limitations to be exceeded, but only if it also is for essential maintenance to assure efficient operation. These bypasses are not subject to the provisions of Section B.4.c. and 4.d of these standard conditions.

c. Notice

- (1) Anticipated bypass. If the permittee knows in advance of the need for a bypass, it shall submit prior notice to the Office of Environmental Services, Water Permits Division, if possible at least 10 days before the date of the bypass.
- (2) Unanticipated bypass. The permittee shall submit notice of an unanticipated bypass as required in LAC 33:IX.2701.L.6 (24-hour notice) and Section D.6.e of these standard conditions.

d. Prohibition of bypass

- (1) Bypass is prohibited, and the state administrative authority may take enforcement action against a permittee for bypass, unless:
  - (a) Bypass was unavoidable to prevent loss of life, personal injury, or severe property damage;
  - (b) There were no feasible alternatives to the bypass, such as the use of auxiliary treatment facilities, retention of untreated wastes, or maintenance during normal periods of equipment downtime. This condition is not satisfied if adequate backup equipment should have been installed in the exercise of reasonable engineering judgment to prevent a bypass which occurred during normal periods of equipment downtime or preventive maintenance; and
  - (c) The permittee submitted notices as required by Section B.4.c of these standard conditions.
- (2) The state administrative authority may approve an anticipated bypass after considering its adverse effects, if the state administrative authority determines that it will meet the three conditions listed in Section B.4.d(1) of these standard conditions.

5. Upset Conditions

- a. Upset. An exceptional incident in which there is unintentional and temporary noncompliance with technology-based permit effluent limitations because of factors beyond the reasonable control of the permittee. An upset does not include noncompliance to the extent caused by operational error, improperly designed treatment facilities, inadequate treatment facilities, lack of preventive maintenance, or careless or improper operation.
- b. Effect of an upset. An upset constitutes an affirmative defense to an action brought for noncompliance with such technology-based permit effluent limitations if the requirements of Section B.5.c are met. No determination made during administrative review of claims that noncompliance was caused by an upset, and before an action for noncompliance, constitutes final administrative action subject to judicial review.
- c. Conditions necessary for a demonstration of upset. A permittee who wishes to establish the affirmative defense of upset shall demonstrate, through properly signed, contemporaneous operating logs, or other relevant evidence that:
  - (1) An upset occurred and that the permittee can identify the cause(s) of the upset;

- (2) The permitted facility was at the time being properly operated;
  - (3) The permittee submitted notice of the upset as required by LAC 33:IX.2701.L.6.b.ii and Section D.6.e(2) of these standard conditions; and
  - (4) The permittee complied with any remedial measures required by Section B.2 of these standard conditions.
- d. Burden of proof. In any enforcement proceeding, the permittee seeking to establish the occurrence of an upset has the burden of proof.
6. Removed Substances  
Solids, sewage sludges, filter backwash, or other pollutants removed in the course of treatment or wastewater control shall be properly disposed of in a manner such as to prevent any pollutant from such materials from entering waters of the state and in accordance with environmental regulations.
7. Percent Removal  
For Publicly Owned Treatment Works, the 30-day average percent removal for Biochemical Oxygen Demand and Total Suspended Solids shall not be less than 85 percent in accordance with LAC 33:IX.5905.A.3 and B.3. Publicly owned treatment works utilizing waste stabilization ponds/oxidation ponds are not subject to the 85 percent removal rate for Total Suspended Solids.

#### SECTION C. MONITORING AND RECORDS

1. Inspection and Entry  
The permittee shall allow the state administrative authority or an authorized representative (including an authorized contractor acting as a representative of the Administrator), upon the presentation of credentials and other documents as may be required by the law to:
- a. Enter upon the permittee's premises where a regulated facility or activity is located or conducted, or where records must be kept under the conditions of this permit.  
  
Enter upon the permittee's premises where a discharge source is or might be located or in which monitoring equipment or records required by a permit are kept for inspection or sampling purposes. Most inspections will be unannounced and should be allowed to begin immediately, but in no case shall begin more than 30 minutes after the time the inspector presents his/her credentials and announces the purpose(s) of the inspection. Delay in excess of 30 minutes shall constitute a violation of this permit. However, additional time can be granted if the inspector or the administrative authority determines that the circumstances warrant such action;
  - b. Have access to and copy, at reasonable times, any records that the department or its authorized representative determines are necessary for the enforcement of this permit. For records maintained in either a central or private office that is open only during normal office hours and is closed at the time of inspection, the records shall be made available as soon as the office is open, but in no case later than the close of business the next working day;
  - c. Inspect at reasonable times any facilities, equipment (including monitoring and control equipment),

practices, or operations regulated or required under this permit; and

- d. Sample or monitor at reasonable times, for the purposes of assuring permit compliance or as otherwise authorized by the Clean Water Act or the Louisiana Environmental Quality Act, any substances or parameters at any location.
- e. Sample Collection
  - (1) When the inspector announces that samples will be collected, the permittee may be given an additional 30 minutes to prepare containers in order to collect duplicates. If the permittee cannot obtain and prepare sample containers within this time, he is considered to have waived his right to collect duplicate samples and the sampling will proceed immediately. Further delay on the part of the permittee in allowing initiation of the sampling will constitute a violation of this permit.
  - (2) At the discretion of the administrative authority, sample collection shall proceed immediately (without the additional 30 minutes described in Section C.1.a above), and the inspector shall supply the permittee with a duplicate sample.
- f. It shall be the responsibility of the permittee to ensure that a facility representative familiar with provisions of its wastewater discharge permit, including any other conditions or limitations, be available either by phone or in person at the facility during all hours of operation. The absence of such personnel on-site who are familiar with the permit shall not be grounds for delaying the initiation of an inspection except in situations as described in Section C.1.b of these standard conditions. The permittee shall be responsible for providing witnesses/escorts during inspections. Inspectors shall abide by all company safety rules and shall be equipped with standard safety equipment (hard hat, safety shoes, safety glasses) normally required by industrial facilities.
- g. Upon written request, copies of field notes, drawings, etc., taken by department personnel during an inspection shall be provided to the permittee after the final inspection report has been completed.

2. Representative Sampling

Samples and measurements taken for the purpose of monitoring shall be representative of the monitored activity. All samples shall be taken at the outfall location(s) indicated in the permit. The state administrative authority shall be notified prior to any changes in the outfall location(s). Any changes in the outfall location(s) may be subject to modification, revocation, and reissuance in accordance with LAC 33:IX.2903.

3. Retention of Records

Except for records of monitoring information required by this permit related to the permittee's sewage sludge use and disposal activities, which shall be retained for a period of at least five years (or longer, as required by 40 CFR 503), the permittee shall retain records of all monitoring information, including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation, copies of all reports required by this permit, and records of all data used to complete the application for this permit, for a period of at least 3 years from the date of the sample, measurement, report, or application. This period may be extended by request of the state administrative authority at any time.

4. Record Contents

Records of monitoring information shall include:

- a. The date, exact place, and time of sampling or measurements;
- b. The individual(s) who performed the sampling or measurements;
- c. The date(s) analyses were performed;
- d. The time(s) analyses were begun;
- e. The individual(s) who performed the analyses;
- f. The analytical techniques or methods used;
- g. The results of such analyses; and
- h. The results of all quality control procedures.

5. Monitoring Procedures

- a. Measurements and analyses must be conducted according to test procedures approved under 40 CFR Part 136 or, in the case of sludge use or disposal, approved under 40 CFR Part 136 unless otherwise specified in 40 CFR Part 503, unless other test procedures have been specified in this permit.
- b. The permittee shall calibrate and perform maintenance procedures on all monitoring and analytical instruments at intervals frequent enough to ensure accuracy of measurements and shall maintain appropriate records of such activities.
- c. The permittee or designated laboratory shall have an adequate analytical quality assurance/quality control program to produce defensible data of known precision and accuracy. All quality control measures shall be assessed and evaluated on an ongoing basis, and quality control acceptance criteria shall be used to determine the validity of the data. All method-specific quality controls as prescribed in the method shall be followed. If quality control requirements are not included in the method, the permittee or designated laboratory shall follow the quality control requirements as prescribed in the Approved Edition (40 CFR Part 136) *Standard Methods for the Examination of Water and Wastewater*, Sections 1020A and 1020B. General sampling protocol shall follow guidelines established in the *Handbook for Sampling and Sample Preservation of Water and Wastewater*, 1982 U.S. Environmental Protection Agency. This publication is available from the National Service Center for Environmental Publications <https://nepis.epa.gov/Exe/ZyNET.exe/30000QSA.TXT?ZyActionD=ZyDocument&Client=EPA&Index=1981+Thru+1985&Docs=&Query=&Time=&EndTime=&SearchMethod=1&TocRestrict=n&Toc=&TocEntry=&QField=&QFieldYear=&QFieldMonth=&QFieldDay=&IntQFieldOp=0&ExtQFieldOp=0&XmlQuery=&File=D%3A%5Czyfiles%5CIndex%20Data%5C81thru85%5C Txt%5C00000001%5C30000QSA.txt&User=ANONYMOUS&Password=anonymous&SortMethod=h%7C-&MaximumDocuments=1&FuzzyDegree=0&ImageQuality=r75g8/r75g8/x150y150g16/i425&Display=hpfr&DefSeekPage=x&SearchBack=ZyActionL&Back=ZyActionS&BackDesc=Results%20page&MaximumPages=1&ZyEntry=1&SeekPage=x&ZyPURL>.

6. Flow Measurements

Appropriate flow measurement devices and methods consistent with accepted scientific practices shall be selected and used to ensure the accuracy and reliability of measurements of the volume of monitored discharges. The devices shall be installed, calibrated, and maintained to ensure that the accuracy of the measurements is consistent with the accepted capability of that type of device. Devices selected shall

be capable of measuring flows with a maximum deviation of less than 10 percent from true discharge rates throughout the range of expected discharge volumes and shall be calibrated by a qualified source at least once a year to ensure their accuracy. A qualified source is a person that has received formal training and/or has practical field experience in the calibration of the flow measurement device used at the facility. Guidance in selection, installation, calibration, and operation of acceptable flow measurement devices can be obtained from the following references:

- a. *A Guide to Methods and Standards for the Measurement of Water Flow*, 1975, U.S. Department of Commerce, National Bureau of Standards. This publication is available from the National Technical Information Service (NTIS), Springfield, VA 22161, telephone number (800) 553-6847. Order by NTIS publication number COM-75-10683.

<https://www.govinfo.gov/content/pkg/GOVPUB-C13-a301a5f6bf6ec378b4fabc9c626c03e2/pdf/GOVPUB-C13-a301a5f6bf6ec378b4fabc9c626c03e2.pdf>

- b. *Flow Measurement in Open Channels and Closed Conduits*, Volumes 1 and 2 U.S. Department of Commerce, National Bureau of Standards. This publication is available from the National Technical Service (NTIS), Springfield, VA, 22161, telephone number (800) 553-6847. Order by NTIS publication number PB-273 535.

Volume 1:

<https://www.govinfo.gov/content/pkg/GOVPUB-C13-c0f8a094b9fcc5c32be685edbd48f942/pdf/GOVPUB-C13-c0f8a094b9fcc5c32be685edbd48f942.pdf>.

Volume 2:

<https://www.govinfo.gov/content/pkg/GOVPUB-C13-b3daf36f1cc0f770bc04d66da5cdc937/pdf/GOVPUB-C13-b3daf36f1cc0f770bc04d66da5cdc937.pdf>

- c. *NPDES Compliance Flow Measurement Manual*, U.S. Environmental Protection Agency, Office of Water Enforcement. This publication is available from the National Technical Information Service (NTIS), Springfield, VA 22161, telephone number (800) 553-6847. Order by NTIS publication number PB-82-131178.

<https://nepis.epa.gov/Exe/ZyNET.exe/9101TZLK.TXT?ZyActionD=ZyDocument&Client=EPA&Index=1981+Thru+1985&Docs=&Query=&Time=&EndTime=&SearchMethod=1&TocRestrict=n&Toc=&TocEntry=&QField=&QFieldYear=&QFieldMonth=&QFieldDay=&IntQFieldOp=0&ExtQFieldOp=0&XmlQuery=&File=D%3A%5Czyfiles%5CIndex%20Data%5C81thru85%5Ctxt%5C00000026%5C9101TZLK.txt&User=ANONYMOUS&Password=anonymous&SortMethod=h%7C-&MaximumDocuments=1&FuzzyDegree=0&ImageQuality=r75g8/r75g8/x150y150g16/i425&Display=hpfr&DefSeekPage=x&SearchBack=ZyActionL&Back=ZyActionS&BackDesc=Results%20page&MaximumPages=1&ZyEntry=1&SeekPage=x&ZyPURL>

## 7. Prohibition for Tampering: Penalties

- a. R.S. 30:2025 provides for punishment of any person who falsifies, tampers with, or knowingly renders inaccurate any monitoring device or method required to be maintained under this permit.
- b. R.S. 30:2076.2 provides for penalties for any person who knowingly makes any false statement, representation, or certification in any record or other document submitted or required to be maintained under this permit, including monitoring reports or reports of compliance or noncompliance.

8. Additional Monitoring by the Permittee

If the permittee monitors any pollutant more frequently than required by the permit using test procedures approved under 40 CFR Part 136 (see LAC 33:IX.4901), or in the case of sludge use and disposal, approved under 40 CFR Part 136 (see LAC 33:IX.4901) unless otherwise specified in 40 CFR Part 503, or as specified in the permit, the results of this monitoring shall be included in the calculation and reporting of the data submitted in the DMR or sludge reporting form specified by the state administrative authority.

9. Averaging of Measurements

Calculations for all limitations which require averaging of measurements shall utilize an arithmetic mean unless otherwise specified by the state administrative authority in the permit.

10. Laboratory Accreditation

a. LAC 33:I.Subpart 3, Chapters 45–59 provide requirements for an accreditation program specifically applicable to commercial laboratories, wherever located, that provide chemical analyses, analytical results, or other test data to the department, by contract or by agreement, and the data is:

- (1) Submitted on behalf of any facility, as defined in R.S. 30:2004;
- (2) Required as part of any permit application;
- (3) Required by order of the department;
- (4) Required to be included on any monitoring reports submitted to the department;
- (5) Required to be submitted by contractor; and/or
- (6) Otherwise required by department regulations.

b. The department laboratory accreditation program, Louisiana Environmental Laboratory Accreditation Program (LELAP) is designed to ensure the accuracy, precision, and reliability of the data generated, as well as the use of department-approved methodologies in generation of that data. Laboratory data generated by commercial environmental laboratories that are not LELAP-accredited will not be accepted by the department. Retesting of analysis by an accredited commercial laboratory will be required.

Where retesting of effluent is not possible (for example, data reported on DMRs for prior month's sampling), the data generated will be considered invalid and in violation of the LPDES permit.

c. Regulations on the Louisiana Environmental Laboratory Accreditation Program and a list of labs that have applied for accreditation are available on the department website located under LDEQ → About LDEQ → Public Participation and Permit Support → LA Lab Accreditation at the following link:

<http://deq.louisiana.gov/page/la-lab-accreditation>

Questions concerning the program may be directed to (225) 219-3247.

SECTION D. REPORTING REQUIREMENTS

1. Facility Changes

The permittee shall give notice to the state administrative authority as soon as possible of any planned

physical alterations or additions to the permitted facility. Notice is required only when:

- a. The alteration or addition to a permitted facility may meet one of the criteria for determining whether a facility is a new source in 40 CFR 122.29(b); or
- b. The alteration or addition could significantly change the nature or increase the quantity of pollutants discharged. This notification applies to pollutants which are subject neither to effluent limitations in the permit nor to notification requirements under LAC 33:IX.2703.A.1.
- c. For Municipal Permits. Any new introduction of pollutants into the POTW from an indirect discharger which would be subject to Section 301 or 306 of the CWA if it were directly discharging those pollutants, and any substantial change in the volume or character of pollutants being introduced into that POTW by a source introducing pollutants into the POTW at the time of issuance of the permit. In no case are any new connections, increased flows, or significant changes in influent quality permitted that will cause violation of the effluent limitations specified herein.

2. Anticipated Noncompliance

The permittee shall give advance notice to the state administrative authority of any planned changes in the permitted facility or activity which may result in noncompliance with permit requirements.

3. Transfers

This permit is not transferable to any person except after notice to the state administrative authority. The state administrative authority may require modification or revocation and reissuance of the permit to change the name of the permittee and incorporate such other requirements as may be necessary under the Clean Water Act or the Louisiana Environmental Quality Act. (See LAC 33:IX.2901; in some cases, modification or revocation and reissuance is mandatory.)

A permit may be transferred by the permittee to a new owner or operator only if: (1) the permit has been modified or revoked and reissued (under LAC 33:IX.2903.A.2.b) by the permittee and new owner submitting a Name/Ownership/Operator Change Form (NOC-1 Form) and approved by LDEQ (LAC 33:I.Chapter 19); or (2) a minor modification made (under LAC 33:IX.2905) to identify the new permittee and incorporate such other requirements as may be necessary under the Clean Water Act and the Louisiana Environmental Quality Act.

The NOC-1 form can be found using the pathway LDEQ → Water → LPDES Application Forms at the following link: <http://deq.louisiana.gov/page/lpdes-water-permits>

4. Monitoring Reports

Monitoring results shall be reported at the intervals specified elsewhere in this permit and shall be submitted through a department-approved electronic document receiving system (NetDMR) in accordance with LAC 33:I.Chapter 21 unless the state administrative authority gives written authorization to the permittee to submit monitoring results in an alternative format such as paper DMRs.

Information about NetDMR and gaining access can be viewed using the pathway LDEQ → Water → Enforcement → NETDMR on the department's website at: <http://deq.louisiana.gov/page/netdmr>

The permittee shall submit properly completed Discharge Monitoring Reports (DMRs) using the format

specified in the permit.

If authorized to report using an alternative format such as paper DMRs, then preprinted DMRs will be provided to majors and other designated facilities. Please contact the Permit Compliance Unit concerning preprints. Self-generated DMRs must be pre-approved by the Permit Compliance Unit prior to submittal. Self-generated DMRs are approved on an individual basis. Requests for approval of self-generated DMRs should be submitted to the following address:

Supervisor, Permit Compliance Unit  
Office of Environmental Compliance  
Post Office Box 4312  
Baton Rouge, LA 70821-4312

5. Compliance Schedules

Reports of compliance or noncompliance with, or any progress reports on, interim and final requirements contained in any compliance schedule of this permit shall be submitted no later than 14 days following each schedule date.

6. Requirements for Notification

a. Emergency Notification

As required by LAC 33:I.3915, in the event of an unauthorized discharge that causes an emergency condition, the discharger shall notify the hotline (Department of Public Safety (DPS) 24-hour Louisiana Emergency Hazardous Materials Hotline) by telephone at (225) 925-6595 (collect calls accepted 24 hours a day) immediately (a reasonable period of time after taking prompt measures to determine the nature, quantity, and potential off-site impact of a release, considering the exigency of the circumstances), but in no case later than one hour after learning of the discharge. (An emergency condition is any condition which could reasonably be expected to endanger the health and safety of the public, cause significant adverse impact to the land, water, or air environment, or cause severe damage to property.) Notification required by this section will be made regardless of the amount of discharge. Prompt Notification Procedures are listed in Section D.6.c of these standard conditions.

A written report shall be provided within seven calendar days after the notification. The report shall contain the information listed in Section D.6.d of these standard conditions and any additional information in LAC 33:I.3925.B.

b. Prompt Notification

As required by LAC 33:I.3917, in the event of an unauthorized discharge that exceeds a reportable quantity specified in LAC 33:I.Chapter 39.Subchapter E, but does not cause an emergency condition, the discharger shall promptly notify DPS by telephone at (225) 925-6595 (collect calls accepted 24 hours a day) within 24 hours after learning of the discharge.

In the event of an unauthorized discharge that requires notification, the DPS 24-hour Louisiana Emergency Hazardous Materials Hotline will notify the Department of Environmental Quality.

In accordance with LAC 33:I.3923, notifications not required by LAC 33:I.3915 or 3917 shall be

provided to the department within a time frame not to exceed 24 hours, or as specified by the specific regulation or permit provision requiring the notification, and shall be given to Single Point of Contact (SPOC), as follows:

- (1) by the Online Incident Reporting screens found at <http://deq.louisiana.gov/page/file-a-complaint-report-an-incident>; or
  - (2) by email utilizing the Incident Report Form and instructions found at <https://www.deq.louisiana.gov/index.cfm?md=pagebuilder&tmp=home&pid=single-point-of-contact>; or
  - (3) by telephone at (225) 219-3640 during office hours, or (225) 342-1234 after hours and on weekends and holidays.
- c. Content of Prompt Notifications The following guidelines will be utilized as appropriate, based on the conditions and circumstances surrounding any unauthorized discharge, to provide relevant information regarding the nature of the discharge:
- (1) the name of the person making the notification and the telephone number where any return calls from response agencies can be placed;
  - (2) the name and location of the facility or site where the unauthorized discharge is imminent or has occurred, using common landmarks. In the event of an incident involving transport, include the name and address of the transporter and generator;
  - (3) the date and time the incident began and ended, or the estimated time of continuation if the discharge is continuing;
  - (4) the extent of any injuries and identification of any known personnel hazards that response agencies may face;
  - (5) the common or scientific chemical name, the U.S. Department of Transportation hazard classification, and the best estimate of amounts of any and all discharged pollutants; and
  - (6) a brief description of the incident sufficient to allow response agencies to formulate their level and extent of response activity.
- d. Written Notification Procedures Written reports for any unauthorized discharge that requires notification under Section D.6.a or b, shall be submitted by the discharger to the Office of Environmental Compliance, Emergency and Radiological Services Division - SPOC in accordance with LAC 33:I.3925 within seven calendar days after the notification required by D.6.a or 6.b, unless otherwise provided for in a valid permit or other department regulation. Written notification reports shall include, but not be limited to, the following information:
- (1) the name, address, telephone number, Agency Interest (AI) number (number assigned by the department) if applicable, and any other applicable identification numbers of the person, company, or other party who is filing the written report, and specific identification that the report is the written follow-up report required by this section;
  - (2) the time and date of prompt notification, the state official contacted when reporting, the name of person making that notification, identification of the site or facility, vessel, transport vehicle, or storage area from which the unauthorized discharge occurred, and the location where the incident occurred;
  - (3) date(s), time(s), and duration of the unauthorized discharge and, if not corrected, the anticipated time it is expected to continue;
  - (4) details of the circumstances (unauthorized discharge description and root cause) and events leading to any unauthorized discharge, including incidents of loss of sources of radiation, and

- if the release point is subject to a permit:
- (a) the current permitted limit for the pollutant(s) released; and
  - (b) the permitted release point/outfall ID
- (5) the common or scientific chemical name of each specific pollutant that was released as the result of an unauthorized discharge, including the CAS number and U.S. Department of Transportation hazard classification, and the best estimate of amounts of any and all released pollutants (total amount of each compound expressed in pounds, including calculations);
  - (6) a statement of the actual or probable fate or disposition of the pollutant or source of radiation and what off-site impact resulted; and
  - (7) remedial actions taken, or to be taken, to stop unauthorized discharges or to recover pollutants or sources of radiation.

Written notification reports shall be submitted to the Office of Environmental Compliance, SPOC by mail or e-mail. The transmittal envelope and report or e-mail subject line and report should be clearly marked "**UNAUTHORIZED DISCHARGE NOTIFICATION REPORT.**"

Written reports (LAC 33:I.3925) should be mailed to:

Louisiana Department of Environmental Quality  
Post Office Box 4312  
Baton Rouge, LA 70821-4312  
ATTENTION: OFFICE OF ENVIRONMENTAL COMPLIANCE – SPOC  
"UNAUTHORIZED DISCHARGE NOTIFICATION REPORT"

The Written Notification Report may be emailed to the Louisiana Department of Environmental Quality, Office of Environmental Compliance, Single Point of Contact at: [writtennotificationLDEQ@la.gov](mailto:writtennotificationLDEQ@la.gov).

Please see LAC 33:I.3925.B for additional written notification procedures.

- e. **Twenty-four Hour Reporting** The permittee shall report any noncompliance which may endanger human health or the environment. Any information shall be provided orally within 24 hours from the time the permittee becomes aware of the circumstances. A written submission shall also be provided within five days of the time the permittee becomes aware of the circumstances. The written submission shall contain a description of the noncompliance and its cause; the period of noncompliance, including exact dates and times, and if the noncompliance has not been corrected, the anticipated time it is expected to continue; and steps taken or planned to reduce, eliminate, and prevent recurrence of the noncompliance. The following shall be included as information which must be reported within 24 hours:
  - (1) Any unanticipated bypass which exceeds any effluent limitation in the permit (see LAC 33:IX.2701.M.3.b);
  - (2) Any upset which exceeds any effluent limitation in the permit; and/or
  - (3) Violation of a maximum daily discharge limitation for any of the pollutants listed by the state administrative authority in Part II of the permit to be reported within 24 hours (LAC

33:IX.2707.G).

7. Other Noncompliance

The permittee shall report all instances of noncompliance not reported under Section D.4, 5, and 6, at the time monitoring reports are submitted. The reports shall contain the information listed in Section D.6.e.

8. Other Information

Where the permittee becomes aware that it failed to submit any relevant facts in a permit application, or submitted incorrect information in a permit application or in any report to the state administrative authority, it shall promptly submit such facts or information.

9. Discharges of Toxic Substances

In addition to the reporting requirements under Section D.1–8, all existing manufacturing, commercial, mining, and silvicultural dischargers must notify the Office of Environmental Services, Water Permits Division as soon as they know or have reason to believe:

- a. That any activity has occurred or will occur which would result in the discharge, on a routine or frequent basis, of any toxic pollutant:
  - (1) listed at LAC 33:IX.7107, Tables II and III (excluding Total Phenols) which is not limited in the permit, if that discharge will exceed the highest of the following notification levels:
    - (a) One hundred micrograms per liter (100 µg/L);
    - (b) Two hundred micrograms per liter (200 µg/L) for acrolein and acrylonitrile; five hundred micrograms per liter (500 µg/L) for 2,4-dinitrophenol and for 2-methyl-4,6-dinitrophenol; and one milligram per liter (1 mg/L) for antimony;
    - (c) Five (5) times the maximum concentration value reported for that pollutant in the permit application in accordance with LAC 33:IX.2501.G.7; or
    - (d) The level established by the state administrative authority in accordance with LAC 33:IX.2707.F; or
  - (2) which exceeds the reportable quantity levels for pollutants at LAC 33:I.Chapter 39.Subchapter E.
- b. That any activity has occurred or will occur which would result in any discharge, on a non-routine or infrequent basis, of a toxic pollutant:
  - (1) listed at LAC 33:IX.7107, Tables II and III (excluding Total Phenols) which is not limited in the permit, if that discharge will exceed the highest of the following "notification levels":
    - (a) Five hundred micrograms per liter (500 µg/L);
    - (b) One milligram per liter (1 mg/L) for antimony;
    - (c) Ten (10) times the maximum concentration value reported for that pollutant in the permit application in accordance with LAC 33:IX.2501.G.7; or
    - (d) The level established by the state administrative authority in accordance with LAC 33:IX.2707.F; or
  - (2) which exceeds the reportable quantity levels for pollutants at LAC 33:I.Chapter 39.Subchapter E.

10. Signatory Requirements

All applications, reports, or information submitted to the state administrative authority shall be signed and certified.

a. All permit applications 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 that 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 ensure 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 the authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures.

**NOTE:** The department does not require specific assignments or delegations of authority to responsible corporate officers identified in Section D.10.a(1)(a). The agency will presume that these responsible corporate officers have the requisite authority to sign permit applications unless the corporation has notified the state administrative authority to the contrary. Corporate procedures governing authority to sign permit applications may provide for assignment or delegation to applicable corporate positions under Section D.10.a(1)(b) rather than to specific individuals.

- (2) For a partnership or sole proprietorship—by a general partner or the proprietor, respectively; or
  - (3) 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:
    - (a) The chief executive officer of the agency, or
    - (b) A senior executive officer having responsibility for the overall operations of a principal geographic unit of the agency (for example, Regional Administrators of EPA).
- b. All reports required by permits and other information requested by the state administrative authority shall be signed by a person described in Section D.10.a, 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 in Section D.10.a of these standard conditions;
  - (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 plant manager, operator of a well or a well field, superintendent, position of equivalent responsibility, or an individual or position having overall responsibility for environmental matters for the company, (a duly authorized representative may thus be either a named individual or an individual occupying a named position); and,
  - (3) The written authorization is submitted to the state administrative authority.

- c. Changes to authorization. If an authorization under Section D.10.b 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 of Section D.10.b must be submitted to the state administrative authority prior to or together with any reports, information, or applications to be signed by an authorized representative.
- d. Certification. Any person signing a document under Section D.10.a or b above, 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 gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, 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."

#### 11. Availability of Reports

All recorded information (completed permit application forms, fact sheets, draft permits, or any public document) not classified as confidential information under R.S. 30:2030(A) and 30:2074(D) and designated as such in accordance with these regulations (LAC 33:IX.2323 and LAC 33:IX.6503) shall be made available to the public for inspection and copying during normal working hours in accordance with the Public Records Act, R.S. 44:1 et seq.

Claims of confidentiality for the following will be denied:

- a. The name and address of any permit applicant or permittee; or
- b. Permit applications, permits, and effluent data.

Information required by LPDES application forms provided by the state administrative authority under LAC 33:IX.2501 may not be claimed confidential. This includes information submitted on the forms themselves and any attachments used to supply information required by the forms.

### SECTION E. PENALTIES FOR VIOLATIONS OF PERMIT CONDITIONS

#### 1. Criminal

##### a. Negligent Violations

R.S. 30:2076.2 provides that any person who negligently violates any provision of the LPDES, or any order issued by the secretary under the LPDES, or any permit condition or limitation implementing any such provision in a permit issued under the LPDES by the secretary, or any requirement imposed in a pretreatment program approved under the LPDES is subject to a fine of not less than \$2,500 nor more than \$25,000 per day of violation, or by imprisonment for not more than one year, or both. If a conviction of a person is for a violation committed after a first conviction of such person, he shall be subject to a fine of not more than \$50,000 per day of violation, or imprisonment of not more than two years, or both.

##### b. Knowing Violations

R.S. 30:2076.2 provides that any person who knowingly violates any provision of the LPDES, or

any permit condition or limitation implementing any such provisions in a permit issued under the LPDES, or any requirement imposed in a pretreatment program approved under the LPDES is subject to a fine of not less than \$5,000 nor more than \$50,000 per day of violation, or imprisonment for not more than three years, or both. If a conviction of a person is for a violation committed after a first conviction of such person, he shall be subject to a fine of not more than \$100,000 per day of violation, or imprisonment of not more than six years, or both.

c. Knowing Endangerment

R.S. 30:2076.2 provides that any person who knowingly violates any provision of the LPDES, or any order issued by the secretary under the LPDES, or any permit condition or limitation implementing any of such provisions in a permit issued under the LPDES by the secretary, and who knows at that time that he thereby places another person in imminent danger of death or serious bodily injury, shall, upon conviction, be subject to a fine of not more than \$250,000, or by imprisonment for not more than 15 years, or both. A person which is an organization shall, upon conviction of violating this Paragraph, be subject to a fine of not more than one million dollars. If a conviction of a person is for a violation committed after a first conviction of such person under this Paragraph, the maximum punishment shall be doubled with respect to both fine and imprisonment.

d. False Statements

R.S. 30:2076.2 provides that any person who knowingly makes any false material statement, representation, or certification in any application, record, report, plan, or other document filed or required to be maintained under the LPDES or who knowingly falsifies, tampers with, or renders inaccurate any monitoring device or method required to be maintained under the LPDES, shall, upon conviction, be subject to a fine of not more than \$10,000, or imprisonment for not more than two years, or both. If a conviction of a person is for a violation committed after a first conviction of such person under this Subsection, he shall be subject to a fine of not more than \$20,000 per day of violation, or imprisonment of not more than four years, or both.

2. Civil Penalties

R.S. 30:2025 provides that any person found to be in violation of any requirement of this Subtitle may be liable for a civil penalty, to be assessed by the secretary, an assistant secretary, or the court, of not more than the cost to the state of any response action made necessary by such violation which is not voluntarily paid by the violator, and a penalty of not more than \$32,500 for each day of violation. However, when any such violation is done intentionally, willfully, or knowingly, or results in a discharge or disposal which causes irreparable or severe damage to the environment or if the substance discharged is one which endangers human life or health, such person may be liable for an additional penalty of not more than one million dollars.

**(PLEASE NOTE:** These penalties are listed in their entirety in Subtitle II of Title 30 of the Louisiana Revised Statutes.)

SECTION F. DEFINITIONS

All definitions contained in Section 502 of the Clean Water Act shall apply to this permit and are incorporated herein by reference. Additional definitions of words or phrases used in this permit are as follows:

1. Clean Water Act (CWA) means the Public Law 92-500 as amended by Pub. L. 95-217, Pub. L. 95-576, Pub. L. 96-483 and Pub. L. 97-117, 33 U.S.C. 1251 et seq. The CWA was formerly referred to as the Federal Water Pollution Control Act or Federal Water Pollution Control Act Amendments of 1972.
2. Accreditation means the formal recognition by the department of a laboratory's competence wherein specific tests or types of tests can be accurately and successfully performed in compliance with all minimum requirements set forth in the regulations regarding laboratory accreditation.
2. Administrator means the Administrator of the U.S. Environmental Protection Agency, or an authorized representative.
4. Applicable Standards and Limitations means all state, interstate and federal standards and limitations to which a discharge is subject under the Clean Water Act, including effluent limitations, water quality standards of performance, toxic effluent standards or prohibitions, best management practices, and pretreatment standards under Sections 301, 302, 303, 304, 306, 307, 308, and 403.
5. Applicable water quality standards means all water quality standards to which a discharge is subject under the Clean Water Act.
6. Commercial Laboratory means any laboratory, wherever located, that performs analyses or tests for third parties for a fee or other compensation and provides chemical analyses, analytical results, or other test data to the department. The term commercial laboratory does not include laboratories accredited by the Louisiana Department of Health in accordance with R.S. 49:1001 et seq.
7. Daily Discharge means the discharge of a pollutant measured during a calendar day or any 24-hour period that reasonably represents the calendar day for purposes of sampling. For pollutants with limitations expressed in terms of mass, the daily discharge is calculated as the total mass of the pollutant discharged over the sampling day. For pollutants with limitations expressed in other units of measurement, the daily discharge is calculated as the average measurement of the pollutant over the sampling day. Daily discharge determination of concentration made using a composite sample shall be the concentration of the composite sample.
8. Daily Maximum discharge limitation means the highest allowable "daily discharge."
9. Director means the U.S. Environmental Protection Agency Regional Administrator, or the state administrative authority, or an authorized representative.
10. Domestic septage means either liquid or solid material removed from a septic tank, cesspool, portable toilet, Type III marine sanitation device, or similar treatment works that receives only domestic sewage. Domestic septage does not include liquid or solid material removed from a septic tank, cesspool, or similar treatment works that receives either commercial wastewater or industrial wastewater and does not include grease removed from grease trap at a restaurant.
11. Domestic sewage means waste and wastewater from humans or household operations that is discharged to or otherwise enters a treatment works.
12. Environmental Protection Agency (or EPA) means the U.S. Environmental Protection Agency.

13. Grab sample means an individual sample collected over a period of time not exceeding 15 minutes, unless more time is needed to collect an adequate sample, and is representative of the discharge.
14. Industrial user means a nondomestic discharger, as identified in 40 CFR 403, introducing pollutants to a publicly owned treatment works.
15. LEQA means the Louisiana Environmental Quality Act.
16. Loading is presented in the permit and reported in the DMR as the total amount of a pollutant entering the facility or discharged in the effluent. It is calculated by knowing the amount of flow, the concentration, and the density of water. Results should be rounded off and expressed with the same number of significant figures as the permit limit. If the permit does not explicitly state how many significant figures are associated with the permit limit, the permittee shall use two.

$$\text{Loading (lbs/day)} = \text{Flow (in MGD)} \times \text{Concentration (mg/L)} \times 8.34^*$$

\*8.34 is the unit conversion for the weight of water

17. Louisiana Pollutant Discharge Elimination System (LPDES) means those portions of the Louisiana Environmental Quality Act and the Louisiana Water Control Law and all regulations promulgated under their authority which are deemed equivalent to the National Pollutant Discharge Elimination System (NPDES) under the Clean Water Act in accordance with Section 402 of the Clean Water Act and all applicable federal regulations.
18. Monthly Average discharge limitations (other than for bacteria indicators, such as fecal coliform and enterococci) are calculated as the sum of all "daily discharge(s)" measured during a calendar month divided by the number of "daily discharge(s)" measured during that month. When the permit establishes monthly average concentration effluent limitations or conditions, and flow is measured as continuous record or with a totalizer, the monthly average concentration means the arithmetic average (weighted by flow) of all "daily discharge(s)" of concentration determined during the calendar month where C = daily discharge concentration, F = daily flow and n = number of daily samples; monthly average discharge =

$$\frac{C_1F_1 + C_2F_2 + \dots + C_nF_n}{F_1 + F_2 + \dots + F_n}$$

When the permit establishes monthly average concentration effluent limitations or conditions, and the flow is not measured as a continuous record, then the monthly average concentration means the arithmetic average of all "daily discharge(s)" of concentration determined during the calendar month.

The monthly average for bacteria indicators is the geometric mean of the values for all effluent samples collected during a calendar month.

19. National Pollutant Discharge Elimination System (NPDES) means the national program for issuing, modifying, revoking and reissuing, terminating, monitoring and enforcing permits, and imposing and enforcing pretreatment requirements, under Sections 307, 318, 402, and 405 of the Clean Water Act.

20. POTW means Publicly Owned Treatment Works.

21. Sanitary Wastewater Term(s):

- a. 3-hour composite sample consists of three effluent portions collected no closer together than one hour (with the first portion collected no earlier than 10:00 a.m.) over the 3-hour period and composited according to flow, or a sample continuously collected in proportion to flow over the 3-hour period.
- b. 6-hour composite sample consists of six effluent portions collected no closer together than one hour (with the first portion collected no earlier than 10:00 a.m.) over the 6-hour period and composited according to flow, or a sample continuously collected in proportion to flow over the 6-hour period.
- c. 12-hour composite sample consists of 12 effluent portions collected no closer together than one hour over the 12-hour period and composited according to flow, or a sample continuously collected in proportion to flow over the 12-hour period. The daily sampling intervals shall include the highest flow periods.
- d. 24-hour composite sample consists of a minimum of 12 effluent portions collected at equal time intervals over the 24-hour period and combined proportional to flow or a sample continuously collected in proportion to flow over the 24-hour period.

22. Severe property damage means substantial physical damage to property, damage to the treatment facilities that causes them to become inoperable, or substantial and permanent loss of natural resources that can reasonably be expected to occur in the absence of a bypass. Severe property damage does not mean economic loss caused by delays in production.

23. Sewage sludge means any solid, semisolid, or liquid residue removed during the treatment of municipal wastewater or domestic sewage. *Sewage sludge* includes, but is not limited to, solids removed during primary, secondary, or advanced wastewater treatment, scum, domestic septage, portable toilet pumpings, Type III marine sanitation device pumpings (33 CFR Part 159), and sewage sludge products. *Sewage sludge* does not include grit or screenings, or ash generated during the incineration of sewage sludge.

24. Stormwater Runoff means aqueous surface runoff including any soluble or suspended material mobilized by naturally occurring precipitation events.

25. Surface Water means all lakes, bays, rivers, streams, springs, ponds, impounding reservoirs, wetlands, swamps, marshes, water sources, drainage systems and other surface water, natural or artificial, public or private within the state or under its jurisdiction that are not part of a treatment system allowed by state law, regulation, or permit.

26. Treatment works means any devices and systems used in the storage, treatment, recycling and reclamation of municipal sewage and industrial wastes of a liquid nature to implement Section 201 of the Clean Water Act, or necessary to recycle or reuse water at the most economical cost over the estimated life of the works, including intercepting sewers, sewage collection systems, pumping, power and other equipment, and their appurtenances, extension, improvement, remodeling, additions, and

alterations thereof. (See Part 212 of the Clean Water Act.)

27. For fecal coliform bacteria, a sample consists of one effluent grab portion collected during a 24-hour period at peak loads.
28. The term MGD shall mean million gallons per day.
29. The term GPD shall mean gallons per day.
30. The term mg/L shall mean milligrams per liter or parts per million (ppm).
31. The term SPC shall mean Spill Prevention and Control. Plan covering the release of pollutants as defined by the Louisiana Administrative Code (LAC 33:IX.Chapter 9).
32. The term SPCC shall mean Spill Prevention Control and Countermeasures Plan. Plan covering the release of pollutants as defined in 40 CFR Part 112.
33. The term µg/L shall mean micrograms per liter or parts per billion (ppb).
34. The term ng/L shall mean nanograms per liter or parts per trillion (ppt).
35. Visible Sheen means a silvery or metallic sheen, gloss, or increased reflectivity; visual color; or iridescence on the water surface.
36. Wastewater means liquid waste resulting from commercial, municipal, private, or industrial processes. Wastewater includes, but is not limited to, cooling and condensing waters, sanitary sewage, industrial waste, and contaminated rainwater runoff.
37. Waters of the State means for the purposes of the Louisiana Pollutant Discharge Elimination system, all surface waters within the state of Louisiana and, on the coastline of Louisiana and the Gulf of Mexico, all surface waters extending therefrom three miles into the Gulf of Mexico. For purposes of the Louisiana Pollutant Discharge Elimination System, this includes all surface waters which are subject to the ebb and flow of the tide, lakes, rivers, streams (including intermittent streams), mudflats, sandflats, wetlands, sloughs, prairie potholes, wet meadows, playa lakes, natural ponds, impoundments of waters within the state of Louisiana otherwise defined as “waters of the United States” in 40 CFR 122.2, and tributaries of all such waters. “Waters of the state” does not include waste treatment systems, including treatment ponds or lagoons designed to meet the requirements of the Clean Water Act, 33 U.S.C. 1251 et seq.
38. Weekly average, other than for fecal coliform bacteria, is the highest allowable arithmetic mean of the daily discharges over a calendar week, calculated as the sum of all “daily discharge(s)” measured during a calendar week divided by the number of “daily discharge(s)” measured during that week. When the permit establishes weekly average concentration effluent limitations or conditions, and flow is measured as continuous record or with a totalizer, the weekly average concentration means the arithmetic average (weighted by flow) of all "daily discharge(s)" of concentration determined during the calendar week where C = daily discharge concentration, F = daily flow and n = number of daily samples; weekly average discharge

$$= \frac{C_1F_1 + C_2F_2 + \dots + C_nF_n}{F_1 + F_2 + \dots + F_n}$$

When the permit establishes weekly average concentration effluent limitations or conditions, and the flow is not measured as a continuous record, then the weekly average concentration means the arithmetic average of all "daily discharge(s)" of concentration determined during the calendar week.

The weekly average for fecal coliform bacteria is the geometric mean of the values for all effluent samples collected during a calendar week.

**ADDENDUM A**  
**GUIDANCE**  
**PROCEDURES RELATING TO**  
**ENDANGERED SPECIES PROTECTION**

## ENDANGERED SPECIES GUIDANCE - MSGP

A list of endangered and threatened species that the U.S. Fish and Wildlife Service (FWS) has determined, and the LDEQ concurs, may be affected by the activities covered by the Multi-Sector General Permit (MSGP) is available in the FWS Memorandum of Understanding (MOU) letter at <https://www.deq.louisiana.gov/page/lpdes>. (See also II below.) These species are listed by parish as found in the link labeled [Endangered Species Act \(ESA\) and Migratory Bird Treaty Act \(MBTA\) Project Review](#). In order to get MSGP coverage, applicants must:

- Indicate in the box provided on the Notice of Intent (NOI) whether any species listed in this Guidance or critical habitat are in proximity to the facility, and
- Certify pursuant to Permit Part 1.7.6 that they have followed the procedures in this Guidance to protect listed endangered and threatened species and designated critical habitat and that the storm water discharges and BMPs to control storm water run off covered under this permit meet the eligibility requirements of Part 1.7.6. Signature and submittal of the NOI is deemed to constitute the applicant's certification of eligibility for permit coverage.

To do this, please follow Steps 1 through 5 below when completing the NOI and developing the Storm Water Pollution Prevention Plan (SWPPP).

NOTE: At any step in the determination, applicants may contact the FWS for guidance. That request should be in writing and should include a description of the facility and a topographic map depicting the location of the facility and the associated storm water discharges.

U. S. Fish and Wildlife Service  
646 Cajundome Blvd.  
Suite 400  
Lafayette, LA 70506  
(337) 291-3108

### **I. Assessing the Effects of Your Discharge and Discharge-Related Activities**

You must follow the procedures in this addendum to assess the potential effects of applicable storm water discharges, discharge-related activities, and allowable non-storm water discharges on listed species and their critical habitat and determine under which eligibility criterion (see Part II), if any, your facility qualifies for MSGP coverage.

When evaluating the potential effects of your activities, you must consider the effects on listed species or critical habitats within the “action area.” Action area is defined in Part 7 of the permit as “all areas affected directly or indirectly by the storm water

discharges, allowable non-storm water discharges, and storm water discharge-related activities, and not merely the immediate area involved in these discharges and activities.” This includes areas beyond the footprint of the facility that are likely to be affected by storm water discharges, discharge-related activities, and allowable non-storm water discharges. For example, normal construction, operations and maintenance activities can result in noise impacts and discharges of pollutants into downstream areas which can increase the “action area” beyond the footprint of the facility. “Facility” is also defined in Part 7 of the permit.

**STEP 1: DETERMINE IF THE ELIGIBILITY REQUIREMENTS OF CRITERION B OR E CAN BE MET.**

You should first determine whether you are eligible under Criterion B or E because of a previously completed ESA Section 7 consultation, a previously issued ESA Section 10 permit, or because your activities were already addressed in another discharger’s certification of eligibility as follows:

- i. The effects of your activities have been addressed through approval of a Habitat Conservation Plan under Section 10 of the ESA. (Check box corresponding to Criterion B.) Storm water discharges from your industrial facility may be authorized by this MSGP if some activity is authorized through the issuance of a permit under Section 10 of the ESA and that authorization addressed the effects of your storm water discharges on federally-listed species and designated critical habitat. You must follow the U.S. Fish and Wildlife Service (FWS) and/or the National Marine Fisheries Service, also known as the NOAA Fisheries (NMFS) procedures when applying for an ESA Section 10 permit. (See 50 CFR 17.22(b)(1) for FWS and 222.22 for NMFS.) Application instructions for Section 10 permits for FWS and NMFS can be obtained by accessing the FWS websites ([www.fws.gov](http://www.fws.gov) and [www.fisheries.noaa.gov](http://www.fisheries.noaa.gov)) or by contacting the appropriate FWS and NMFS regional office.
- ii. You are covered under the eligibility certification of another operator for the project area. (Check box corresponding to Criterion E.) Your storm water discharges, discharge-related activities, and allowable non-storm water discharges were already addressed in another discharger’s certification of eligibility under Criteria A, B, C, or D, which also included your facility and determined that federally listed endangered or threatened species or designated critical habitat would not be jeopardized. To certify eligibility under this criterion there must be no lapse of coverage in the other operator’s certification. By certifying eligibility under Criterion E, you agree to comply with any measures or controls upon which the other discharge certification under Criterion B, C, or D was based. If your certification is based on another operator’s certification under Criterion E, that certification is valid only if you have determination showing that the other operator has certified under Criterion E, and you provide the LDEQ with the relevant supporting

information in your NOI form. Certification under Criterion E is discussed in more detail in the Fact Sheet that accompanies this permit.

**STEP 2: DETERMINE IF LISTED THREATENED OR ENDANGERED SPECIES AND CRITICAL HABITAT ARE PRESENT IN THE ACTION AREA.**

Next, you should first determine whether federally-listed species are likely to occur in your action area. If you determine that there is a federally-listed species likely to occur in your action area, follow Step 3. If you determine that there are no federally-listed species likely to occur in your action area, you can certify that the facility meets Criteria A (check box corresponding to Criteria A).

You can do this by obtaining a list of threatened and endangered species that are likely to occur in your general area, including the appropriate receiving water for your discharges. County-specific or sometimes township-specific lists of federally-threatened and endangered species are available from the local offices of FWS, and NMFS, or on their internet sites. The types of species that are likely to be present determine which Service office you should contact. (In general, the NMFS has jurisdiction over marine, estuarine, and anadromous species.) If there are listed species in your parish or city or town, you must then determine, as best you are able, whether any of the species are likely to occur in your action area (use the Services as necessary). General species information can be found at [www.fws.gov/angered](http://www.fws.gov/angered).

You must also check to see if critical habitat has been designated and whether such areas overlap in your action area. Critical habitat should be listed on the species list for your parish or town or city available from the appropriate Service office. You can also find critical habitat designations at 50 CFR Parts 17 and 226 [www.govinfo.gov](http://www.govinfo.gov) and at [www.fws.gov/angered/](http://www.fws.gov/angered/).

If there are no listed species and no critical habitat areas that overlap your action area, or if your local FWS or NMFS indicates that listed species are not likely to occur in your action area, you have satisfied your eligibility obligations under Criterion A. (Check box corresponding to Criterion A.) If there are listed species and if you determine or your local FWS or NMFS indicates that these species could occur in the action area, you will need to evaluate whether your action area supports habitat(s) that are suitable for listed species or the constituent elements of critical habitat. Your evaluation may utilize one or more of the following approaches:

Gather information about the species and critical habitat that are likely to occur in your action area ([www.fws.gov/angered/](http://www.fws.gov/angered/)). Conduct a visual inspection of the action area to assess the potential presence of listed species and their habitats. Compare the size and types of habitats available in your action area and adjacent areas with the size and types of habitats used by listed species and constituent elements of critical habitat. This method may be particularly suitable for facilities where the action area is smaller in size or located in non-natural settings such as highly urbanized areas or industrial parks where there is little or no natural habitat, or for facilities that discharge directly into municipal separate storm sewer systems (MS4s).

Conduct a formal biological survey (typically performed by environmental consulting firms). In some cases, biological surveys may be an appropriate way to assess whether species are likely to be located in the action area and whether there could be adverse effects to such species. A biological survey may in some cases be useful in conjunction with Steps 2, 3, or 4 of these instructions. However, biological surveys can often be inconclusive, and some survey methods may require a special State or Federal permit. You should coordinate with the appropriate Service office before conducting biological surveys for threatened and endangered species.

Reference an environmental assessment completed for the site under the National Environmental Policy Act (NEPA). Such assessments may indicate whether listed species and critical habitats are likely to occur in the action area. Coverage under this MSGP may trigger a requirement for such an assessment for new sources (that is, dischargers subject to New Source Performance Standards under Section 306 of the Clean Water Act). Other facilities might require an assessment under NEPA for other reasons, such as federal funding or other federal involvement in the facility. If the action area likely supports listed threatened or endangered species or critical habitat, you must evaluate the potential for impacts to species and/or habitat when following Steps 3 through 5. Note that many but not all measures implemented to protect listed species under these steps will also protect critical habitat. Thus, meeting the eligibility requirements of this MSGP may require measures to protect critical habitat that are separate from those to protect listed species.

**STEP 3: DETERMINE IF YOUR ACTIVITIES ARE NOT LIKELY TO ADVERSELY AFFECT LISTED THREATENED OR ENDANGERED SPECIES OR DESIGNATED CRITICAL HABITAT**

To receive MSGP coverage, you must analyze the effects of your activities, which may include not only your discharge, but also any construction, operation, and maintenance activities related to storm water management. You must be able to conclude that your discharge and storm water management related activities are not likely to adversely affect threatened or endangered species or designated critical habitat that are likely to occur in your action area. To arrive at this conclusion, you should be able to conclude that listed species and critical habitat are not likely to be exposed to the effects of your activities, or if they are exposed, they are not likely to respond to the effects, or if they do respond, the responses are not sufficient to reduce an individual's changes of surviving and reproducing or diminish the amount or suitability of constituent elements of critical habitat. Construction, operation, and maintenance of facilities related to your storm water discharge can potentially result in the following adverse effects:

- Hydrological. Storm water may adversely affect receiving waters from pollutant parameters such as temperature, salinity or pH. These effects will vary with the amount of storm water discharged and the volume and condition of the receiving water. Where a storm water discharge constitutes a minute portion of the total volume of the receiving water, adverse hydrological effects are less likely. Industrial activity itself may

also alter drainage patterns on a site where construction occurs, which can impact listed species, their habitat, and critical habitat.

- Habitat. Outdoor activities, such as storage of materials and land disturbances associated with storm water management-related activities, such as the installation or placement of storm water control measures, may adversely affect listed species, their habitat, and critical habitat. Storm water may drain or inundate listed species habitat.
- Toxicity. Pollutants in storm water may have toxic effects on listed species and adversely affect critical habitat. Exceedances of benchmarks, effluent limitation guidelines, or State water quality requirements may be indicative of potential adverse effects on listed species or critical habitat.

The scope of effects to consider will vary with each site. If you have difficulty determining whether your facility is likely to adversely affect listed species or critical habitat or if one of the Services has already raised concerns for you, you must contact the appropriate office of the FWS or NMFS for assistance. If adverse effects are not likely, you have satisfied your eligibility obligations under Criterion D, and you may proceed to submitting your NOI for coverage under the MSGP (check box corresponding to Criterion D).

If you cannot conclude that your storm water discharge is not likely to adversely affect listed species or critical habitat or if conclude that your storm water discharge could potentially adversely affect listed species or critical habitat, you must follow Step 4.

**STEP 4: DETERMINE IF MEASURES CAN BE IMPLEMENTED TO AVOID ANY ADVERSE EFFECTS OR IF FURTHER ANALYSIS SUPPORTS THE CONCLUSION THAT ADVERSE EFFECTS ARE NOT LIKELY**

In Step 3, if you could not make a preliminary determination that adverse effects are not likely to occur to listed species and/or critical habitat, you can still satisfy the eligibility requirements under Criterion D if appropriate measures are undertaken to avoid or eliminate the likelihood of adverse effects prior to applying for MSGP coverage. These measures may be relatively simple, e.g., re-routing a storm water discharge to bypass an area where species are located, relocating control measures, or changing the “footprint” of the industrial activity. Provided you are able to install and implement appropriate measures, you may proceed to submitting your NOI for coverage under the MSGP (check box corresponding to Criterion D).

If you cannot ascertain which measures to implement to avoid the likelihood of adverse effects, you must follow Step 5.

**STEP 5: DETERMINE IF THE ELIGIBILITY REQUIREMENTS OF CRITERIA D CAN BE MET.**

Where adverse effects are likely and you are unable to avoid or eliminate the likelihood of adverse effects, you must contact the FWS (and/or the NMFS, if referred to that agency by the FWS). However, you may still be eligible for MSGP coverage if any likely adverse effects can be addressed through meeting Criteria D as follows:

You have coordinated your activities with the appropriate Service office. (See Criterion C.) In the absence of any other conditions set forth in Step 4, you may still be able to qualify for coverage under this MSGP if you coordinate with the FWS or NMFS and the Service provides a letter or memorandum concluding that permitting your storm water discharges under the MSGP is inconsistent with the “not likely to adversely affect” determination for the MSGP. If you adopt measures to avoid or eliminate adverse effects, per the Service’s requirements or recommendations, you must abide by those measures for the duration of your coverage under the MSGP. Any such measures must be described in the SWPPP and are enforceable MSGP conditions and/or conditions for meeting the eligibility criteria in Part 1.7.6 of the permit.

You must comply with any terms and conditions imposed under the eligibility requirements to ensure that your storm water discharges, discharge-related activities, and allowable non-storm water discharges are protective of listed species and/or critical habitat. See Part 1.7.6 of the permit. If the eligibility requirements cannot be met, and maintained, then you are not eligible for coverage under this MSGP. In these instances, you may consider applying to the LDEQ for coverage under an individual LPDES permit.

**II. Eligibility Criterion**

As required by Part 1.7.6, you must meet one or more of the following five criteria (A-E) to be eligible for coverage under the permit for your storm water discharge, discharge-related activities, and allowable non-storm water discharges:

**Criterion A.** No federally-listed threatened or endangered species or their designated critical habitat are likely to occur in the “action area”; or

**Criterion B.** Your industrial activities are authorized through the issuance of a permit under Section 7 or Section 10 of the ESA, and authorization addresses the effects of the storm water discharges associated with industrial activity, discharge-related activities, and allowable non-storm water discharges on federally-listed species and federally-designated critical habitat; or

**Criterion C.** Coordination between the permittee, whether currently permitted or a new permittee, and the FWS and/or the NMF has been concluded. The coordination must have addressed the effects of the facility’s storm water discharges associated with industrial activity, discharge-

related activities, and allowable non-storm water discharges on federally-listed threatened or endangered species and federally-designated critical habitat. The result of the coordination must be a written statement from the Service concluding that authorizing your storm water discharges, discharge-related activities, and allowable non-storm water discharges is consistent with the determination that that issuance of the MSGP is not likely to adversely affect federally-listed threatened or endangered species and federally-designated critical habitat. Any conditions or prerequisites deemed necessary to achieve consistency with the “not likely to adversely affect” determination become eligibility conditions for MSGP coverage and permit requirements under Part 1.7.6; or

**Criterion D.** Authorizing your storm water discharges associated with industrial activity, discharge-related activities, and allowable non-storm water discharges is consistent with the determination that the issuance of the MSGP is not likely to adversely affect any federally-listed endangered and threatened (“listed”) species or designated critical habitat (“critical habitat”).

**Criterion E.** The facility’s storm water discharges associated with industrial activity, discharge-related activities, and allowable non-storm water discharges were already addressed in another operator’s valid certification of eligibility that included the industrial activities and there is no reason to believe that federally-listed species or federally-designated critical habitat not considered in the prior certification may be present or located in the “action area”. To certify eligibility under this criterion there must be no lapse of coverage in the other operator’s certification. By certifying eligibility under this criterion, you agree to comply with any measures or controls upon which the other operator’s certification was based. You must comply with any applicable terms, conditions, or other requirements developed in the process of meeting the eligibility requirements of the criteria in this section to remain eligible for coverage under this permit. Documentation must be kept with your SWPPP. If your certification is based on another operator’s certification under Criterion E, that certification is valid only if you have documentation showing that the operator had certified under Criterion E.

### **III. ENDANGERED SPECIES PARISH LIST**

See <https://www.deq.louisiana.gov/page/lpdes>. Click on the “**U.S. Fish and Wildlife Service Endangered Species Act (ESA) and Migratory Bird Treaty Act (MBTA) Project Review**” under LPDES Support Documents, then **Endangered Species and Recovery**, then “**Download a list of threatened and endangered species by parish in Louisiana**”.

**ADDENDUM B**

**PROCEDURES RELATING TO  
HISTORIC PROPERTIES PRESERVATION**

## PROCEDURES RELATING TO HISTORIC PROPERTIES PRESERVATION

Section 106 of the National Historic Preservation Act (NHPA) requires Federal agencies to take into account the effects of Federal “undertakings” on historic properties that are either listed on, or eligible for listing on, the National Register of Historic Places. The term Federal “undertaking” is defined in the NHPA regulations to include a project, activity, or program of a Federal agency including those carried out by or on behalf of a Federal agency, those carried out with Federal financial assistance, and those requiring a Federal permit, license or approval. See 36 CFR 800.16(y). Historic properties are defined in the NHPA regulations to include prehistoric or historic districts, sites, buildings, structures, or objects that are included in, or are eligible for inclusion in, the National Register of Historic Places. This term includes artifacts, records, and remains that are related to and located within such properties. See 36 CFR 800.16(1).

The EPA’s issuance of the MSGP was a Federal undertaking within the meaning of the NHPA regulations. To address any issues relating to historic properties in connection with issuance of the permit, the EPA included criteria for applicants to certify that potential impacts of their covered activities on historic properties have been appropriately considered and addressed. Although individual applications for coverage under the general permit do not constitute separate Federal undertakings, the screening criteria and certifications provide an appropriate site-specific means of addressing historic property issues in connection with the EPA’s issuance of their 2008 MSGP. Applicants seeking coverage under the EPA’s MSGP are thus required to make certain certifications regarding the potential effects of their storm water discharge, allowable non-storm water discharge, and discharge-related activities on properties listed or eligible for listing on the National Register of Historic Places. The LDEQ concurs that the EPA’s criteria are adequate for applicants to certify that potential impacts of their covered activities on historic properties have been appropriately considered and addressed. Therefore, the LDEQ is including those criteria in this permit.

As referenced in Part 1.7.7 of the permit, you must meet one or more of the four criteria (A-D) to be eligible for coverage under this permit.

- Criterion A. Your storm water discharges and allowable non-storm water discharges do not have the potential to have an effect on historic properties and you are not constructing or installing new storm water control measures on your site that cause subsurface disturbance; or
- Criterion B. Your discharge-related activities (i.e., construction and/or installation of storm water control measures that involve subsurface disturbance) will not affect historic properties; or
- Criterion C. Your storm water discharges, allowable non-storm water discharges, and discharge-related activities have the potential to have an effect on historic properties, and you have obtained and are in compliance with a written agreement with the State Historic Preservation Officer (SHPO) regarding measures to mitigate or prevent any adverse effects on historic properties, and you have either (1) obtained and are in compliance with a

written agreement that outlines all such measures, or (2) been unable to reach agreement on such measures; or

Criterion D. You have contacted the SHPO in writing informing them that you have the potential to have an effect on historic properties and you did not receive a response from the SHPO within 30 days of receiving your letter.

If you have been unable to reach agreement with a SHPO representative regarding appropriate measures to mitigate or prevent adverse effects, the LDEQ may notify you of additional measures you must implement in order to be eligible for coverage under this permit.

### **Activities with No Potential to Have an Effect on Historic Properties**

A determination that a Federal undertaking has no potential to have an effect on historic properties fulfills an agency's obligations under the NHPA. The EPA has reason to believe that the vast majority of activities authorized under the MSGP have no potential to have effects on historic properties. The purpose of this permit is to control pollutants that may be transported in storm water runoff from industrial facilities. The EPA does not anticipate effects on historic properties from the pollutants in the storm water and allowable non-storm water discharges from these industrial facilities. The LDEQ concurs with the EPA's determination. Thus, to the extent the LDEQ's issuance of this general permit authorizes discharges of such constituents, confined to existing storm water channels or natural drainage areas; the permitting action does not have the potential to cause effects on historic properties.

In addition, the overwhelming majority of sources covered under this permit will be currently permitted facilities that are automatically reauthorized to discharge under this permit. Both existing and new dischargers must follow the historic property screening procedures to determine their eligibility. The LDEQ is not aware of any impacts on historic properties from activities covered under the 2021 MSGP, or, for that matter, any need for a written agreement. Therefore, to the extent this permit authorizes renewal of prior coverage without relevant changes in operations, it has no potential to have an effect on historic properties.

### **Activities with Potential to Have an Effect on Historic Properties**

The EPA believes and the LDEQ concurs that this permit may have some potential to have an effect on historic properties where permittees construct and/or install storm water control measures that involve subsurface disturbance and impact less than one (1) acre of land to comply with this permit. (Ground disturbances of one (1) or more acres require coverage under a different permit, the Construction General Permit.) If you disturb land through the use of construction and/or installation of control measures, there is a possibility that artifacts, records, or remains associated with historic properties could be impacted. Therefore, if you are establishing new or altering existing control measures to manage your storm water that will involve subsurface ground disturbance of less than one (1) acre, you will need to ensure (1) that historic properties will not be impacted by your

activities or (2) that you have consulted with the appropriate SHPO representative regarding measures that would mitigate or prevent any adverse effects on historic properties.

### **Examples of Control Measures Which Involve Subsurface Disturbance**

The EPA reviewed typical control measures currently employed to determine which practices involve some level of earth disturbance. The types of control measures that they determined are presumptively expected to cause subsurface ground disturbance include:

- Dikes
- Berms
- Catch Basins
- Ponds
- Ditches
- Trenches
- Culverts
- Land manipulation: contouring, sloping, and grading
- Channels
- Perimeter Drains
- Swales

The EPA and the LDEQ caution dischargers that this list is non-inclusive. Other control measures that involve earth disturbing activities that are not on this list must also be examined for the potential to affect historic properties.

### **Historic Property Screening Process**

Permit Part 1.7.7 references this Addendum for screening procedures that should be followed to certify compliance with historic property eligibility requirements under this permit. The following four steps describe how applicants can meet the permit eligibility criteria for protection of historic properties:

#### **Step 1: Are you an existing facility that is reapplying for certification under the 2021 MSGP?**

To gain coverage under the 2021, if you are an existing facility you must certify that you either are not affecting historic properties or have obtained a written agreement from the relevant SHPO representative regarding methods of mitigating potential impacts. As long as you are not constructing or installing any new storm water control measures then you have met eligibility Criterion A of the MSGP.

If you are an existing facility and will construct or install storm water control measures that require subsurface disturbance of less than one (1) acre then you should proceed to Step 3. (Note: Construction activities disturbing one (1) or more are not eligible for coverage under this permit.)

If you are a new facility then you should proceed to Step 2.

**Step 2: Are you constructing or installing any storm water control measures that require subsurface disturbance of less than one (1) acre?**

If, as part of your coverage under this permit, you are not building or installing control measures on your site that cause less than one (1) acre of subsurface disturbance, then your discharge-related activities do not have the potential to have an effect on historic properties. You have no further obligations relating to historic properties. You have met eligibility Criterion A of the MSGP.

If the answer to the Step 2 question is yes, then you should proceed to Step 3.

**Step 3: Have prior earth disturbances determined that historic properties do not exist, or have prior disturbances precluded the existence of historic properties?**

If previous construction either revealed the absence of historic properties or prior disturbances preclude the existence of historic properties, then you have no further obligations relating to historic properties. You have met the eligibility Criterion B of the MSGP.

If the answer to the Step 3 question is no, then you should proceed to Step 4.

**Step 4: Contact the appropriate historic preservation authorities.**

Where you are building and/or installing control measures affecting less than one (1) acre of land to control storm water or allowable non-storm water discharges associated with this permit, and the answer to Step 3 is no, then you should contact the relevant SHPO representative to determine the likelihood that artifacts, records, or remains are potentially present on your site. This may involve examining local records to determine if historic artifacts have been found in nearby areas, as well as limited surface and subsurface examination carried out by qualified professionals.

If through this process it is determined that such historic properties potentially exist and may be impacted by your construction or installation of control measures, you should contact the relevant SHPO representative in writing and request to discuss mitigation or prevention of any adverse effects. The letter should describe your facility, the nature and location of subsurface disturbance activities that are contemplated, any known or suspected historic properties in the area, and any anticipated effects of such properties. The letter should state that if the SHPO representative does not respond within 30 days of receiving your letter, you may submit your NOI without further consultation. LDEQ encourages applicants to contact the appropriate authorities as soon as possible in the event of a potential adverse effect to an historic property.

If the SHPO representative sent you a response within 30 days of receiving your letter and you enter into, and comply with, a written agreement with the SHPO representative

regarding how to address any adverse impacts on historic properties, you have met eligibility Criterion C. In this case, you should retain a copy of the written agreement consistent with Addendum B of the MSGP. LDEQ will generally accept any written agreement as fully addressing concerns related to potential adverse impacts to historic properties unless new information was brought to the Agency's attention that was not considered in your previous discussions with the SHPO representative.

If you receive a response within 30 days after the SHPO representative received your letter and you consult with the SHPO representative regarding adverse impacts to historic properties and measures to mitigate them but an agreement cannot be reached between you and the SHPO representative, you have still met the eligibility Criterion C. In this case you should include in your SWPPP a brief description of potential effects to historic properties, the consultation process, any measures you will adopt to address the potential adverse impacts, and any significant remaining disagreements between you and the SHPO representative.

If you have contacted the SHPO representative in writing regarding your potential to have an effect on historic properties and the SHPO representative did not respond within 30 days of receiving your letter, you have met eligibility Criterion D. You are advised to get a receipt from the post office or other carrier confirming the date on which your letter was received.

### **I. Internet Information on the National Register of Historic Places**

An electronic listing of the "National Register of Historic Places," as maintained by the National Park Service on its National Register Information System (NRIS), can be accessed on the Internet at <https://www.nps.gov/subjects/nationalregister/index.htm>. Remember to use small case letters when accessing Internet addresses.

### **II. Louisiana State Historic Preservation Officer (SHPO)**

Louisiana, SHPO, Office of Cultural Development, P.O. Box 44247, Baton Rouge, LA 70804-4247. For questions contact the Section 106 Review Coordinator, Telephone: (225) 342-8170.

### **III. Advisory Council on Historic Preservation**

Advisory Council on Historic Preservation, 12136 W. Bayaud Ave., Suite 330, Lakewood, CO 80228, Telephone (303) 969-5110, Fax: (303) 969-5115, Email: [achp@achp.gov](mailto:achp@achp.gov)

**ADDENDUM C**

**CURRENT ADDRESSES LIST OF LDEQ OFFICES**

## CURRENT ADDRESSES

Enforcement Division  
Office of Environmental Compliance  
Department of Environmental Quality  
P. O. Box 4312  
Baton Rouge, Louisiana 70821-4312  
Telephone: (225) 219-3715

### Mailing Addresses For Regional Offices

**Acadiana Regional Office**  
Surveillance Division  
Office of Environmental Compliance  
111 New Center Drive  
Lafayette, Louisiana 70508  
(337) 262-5584

**Capital Regional Office**  
Surveillance Division  
Office of Environmental Compliance  
P.O. Box 4312  
Baton Rouge, Louisiana 70821-4312  
(225) 219-3600

**Northeast Regional Office**  
Surveillance Division  
Office of Environmental Compliance  
508 Downing Pines Road  
West Monroe, Louisiana 71292  
(318) 362-5439

**Northwest Regional Office**  
Surveillance Division  
Office of Environmental Compliance  
1525 Fairfield Avenue, Room 520  
Shreveport, Louisiana 71101  
(318) 676-7476

**Southeast Regional Office**  
Surveillance Division  
Office of Environmental Compliance  
201 Evans Road, Bldg. 4, Suite 420  
New Orleans, LA 70123-5230  
(504) 736-7701

**Southwest Regional Office**  
Surveillance Division  
Office of Environmental Compliance  
1301 Gadwall Street  
Lake Charles, Louisiana 70615-5176  
(337) 491-2667

### Jurisdictional Parishes For Each Regional Office

Acadia, Avoyelles, Catahoula, Concordia,  
Evangeline, Grant, Iberia, Lafayette, LaSalle,  
Rapides, St. Landry, St. Mary, Vermilion

Ascension, Assumption, East Baton Rouge, East  
Feliciana, Iberville, Livingston, Pointe Coupee, St.  
Helena, St. James, St. Martin, Tangipahoa, West  
Baton Rouge, West Feliciana

Caldwell, East Carroll, Franklin, Jackson, Lincoln,  
Madison, Morehouse, Ouachita, Richland, Tensas,  
Union, West Carroll, Winn

Bienville, Bossier, Caddo, Claiborne, De Soto,  
Natchitoches, Red River, Sabine, Webster

Jefferson, Lafourche, Orleans, Plaquemines,  
St. Bernard, St. Charles, St. John the Baptist, St.  
Tammany, Terrebonne, Washington

Allen, Beauregard, Calcasieu, Cameron, Jefferson  
Davis, Vernon

**ADDENDUM D**

**DISHCHARGE MONITORING REPORT (DMR) FORM**

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)  
NAME

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
DISCHARGE MONITORING REPORT (DMR)

Form Approved.  
OMB No. 2040-0004

ADDRESS

PERMIT NUMBER	DISCHARGE NUMBER

FACILITY  
LOCATION

MONITORING PERIOD					
FROM			TO		
YEAR	MO	DAY	YEAR	MO	DAY

Check here if No Discharge

NOTE: Read Instructions before completing this form

PARAMETER	X	QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
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NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		<small>I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, 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.</small>				TELEPHONE		DATE			
TYPED OR PRINTED						SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		AREA CODE	NUMBER	YEAR	MO

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

## Paperwork Reduction Act Notice

Public Reporting Burden for this collection information is estimated to vary from a range of 10 hours as an average per response for some minor facilities, to 110 hours as an average per response for some major facilities, with a weighted average for major and minor facilities of 18 hours per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to ICR Coordinator, Office of Wastewater Management (MC4201M), US Environmental Protection Agency, 1200 Pennsylvania Avenue, NW, Washington, DC 20460; and to the Office of Information and Regulatory Affairs, Office of Management and Budget, Washington, DC 20503.

## General Instructions

1. If form has been partially completed by preprinting, disregard instructions directed at entry of that information already preprinted.
2. Enter "*Permittee Name/Mailing Address* (and facility name/location, if different)," "*Permit Number*," and "*Discharge Number*" where indicated. (A separate form is required for each discharge.)
3. Enter dates beginning and ending "*Monitoring Period*" covered by form where indicated.
4. Enter each "*Parameter*" as specified in monitoring requirements of permit.
5. Enter "*Sample Measurement*" data for each parameter under "*Quantity*" and "*Quality*" in units specified in permit.
6. Enter "*Permit Requirement*" for each parameter under "*Quantity*" and "*Quality*" as specified in permit.
7. Under "*No Ex*" enter number of sample measurements during monitoring period that exceed maximum (and/or minimum or 7-day average as appropriate) permit requirement for each parameter. If none, enter "0".
8. Enter "*Frequency of Analysis*" both as "*Sample Measurement*" (actual sample type used during monitoring period) and as "*Permit Requirement*," specified in permit. (e.g., Enter "*Cont*," for continuous monitoring, "*1/7*" for one day per week, "*1/30*" for one day per month, "*1/90*" for one day per quarter, etc.)
9. Enter "*Sample Type*" both as "*Sample Measurement*" (actual sample type used during monitoring period) and as "*Permit Requirement*," (e.g., Enter "*Grab*" for individual sample, "*24HC*" for 24-hour composite, "*N/A*" for continuous monitoring, etc.)
10. Where violations of permit requirements are reported, attach a brief explanation to describe cause and corrective actions taken, and reference each violation by date.
11. If "no discharge" occurs during monitoring period, enter "*No Discharge*" across form in place of data entry.
12. Enter "*Name/Title of Principal Executive Officer*" with "*Signature of Principal Executive Officer of Authorized Agent*," "*Telephone Number*," and "*Date*" at bottom of form.
13. Mail signed Report to Office(s) by date(s) specified in permit. Retain copy for your records.
14. More detailed Instructions for use of this *Discharge Monitoring Report (DMR)* form may be obtained from Office(s) specified in permit.

## Legal Notice

This report is required by law (33 U.S.C. 1318; 40 C.F.R. 125.27). Failure to report or failure to report truthfully can result in civil penalties not to exceed \$ 10,000 per day of violation; or in criminal penalties not to exceed \$25,000 per day of violation, or by imprisonment for not more than one year, or by both.

## **ADDENDUM E**

### **Calculating Hardness in Receiving Waters for Hardness Dependent Metals**

## Overview

The EPA adjusted the benchmarks for six hardness-dependent metals (i.e., cadmium, copper, lead, nickel, silver, and zinc) to further ensure compliance with water quality standards and provide additional protection for endangered species and their critical habitat. For any sectors required to conduct benchmark samples for a hardness-dependent metal, the EPA includes ‘hardness ranges’ from which benchmark values are determined. To determine which hardness range to use, you must collect data on the hardness of your receiving water(s). Once the site-specific hardness data have been collected, the corresponding benchmark value for each metal is determined by comparing where the hardness data fall within 25 mg/L ranges, as shown in Table 1.

**Table 1. Hardness Ranges to Be Used to Determine Benchmark Values for Cadmium, Copper, Lead, Nickel, Silver, and Zinc.**

### All Units Benchmark Values (mg/L, total)

<b>Hardness Range</b>	<b>Cadmium</b>	<b>Copper</b>	<b>Lead</b>	<b>Nickel</b>	<b>Silver</b>	<b>Zinc</b>
0-25 mg/L	0.0005	0.0038	0.014	0.15	0.0007	0.04
25-50 mg/L	0.0009	0.0056	0.023	0.20	0.0007	0.05
50-75 mg/L	0.0014	0.0090	0.045	0.32	0.0017	0.08
75-100 mg/L	0.0018	0.0123	0.069	0.42	0.0030	0.11
100-125 mg/L	0.0022	0.0156	0.095	0.52	0.0046	0.13
125-150 mg/L	0.0026	0.0189	0.122	0.61	0.0065	0.16
150-175 mg/L	0.0030	0.0221	0.151	0.71	0.0087	0.18
175-200 mg/L	0.0034	0.0253	0.182	0.80	0.0112	0.20
200-225 mg/L	0.0038	0.0285	0.216	0.89	0.0138	0.23
225-250 mg/L	0.0042	0.0316	0.246	0.98	0.0168	0.25
250+ mg/L	0.0050	0.0332	0.262	1.02	0.0183	0.26

## How to Determine Hardness for Hardness-Dependent Parameters

You may select one of the three methods shown in the sections below to determine hardness, including individual grab sampling, grab sampling by a group of operators which discharge to the same receiving water, or using third-party data. Regardless of the method used, you are responsible for documenting the procedures used for determining hardness values. Once the hardness value is established, you are required to attach this information to your first DMR submitted to the LDEQ so that the Department can make appropriate comparisons between your benchmark monitoring results and the corresponding benchmark. You must retain all report and monitoring data in accordance with Part 8 of the permit. The three method options for determining hardness are detailed in the following sections.

### (1) Permittee Samples for Receiving Stream Hardness

This method involves collecting samples in the receiving water and submitting these to a laboratory for analysis. If you elect to sample your receiving water(s) and submit samples for analysis, hardness must be determined from the closest intermittent or perennial stream downstream of your point of discharge. The sample can be collected

during either dry or wet weather. Collection of the sample during wet weather is more representative of conditions during stormwater discharges; however, collection of in-stream samples during wet weather events may be impracticable or present safety issues. Hardness must be sampled and analyzed using approved methods as described in 40 CFR Part 136 (Guidelines Establishing Test Procedures for the Analysis of Pollutants).

### *(2) Group Monitoring for Receiving Stream Hardness*

You can be part of a group of permittees discharging to the same receiving waters and collect samples that are representative of the hardness values for all members of the group. In this scenario, hardness of the receiving water must be determined using 40 CFR Part 136 procedures and the results shared by group members. To use the same results, hardness measurements must be taken on a stream reach within a reasonable distance of the discharge points of each of the group members.

### *(3) Collection of Third-Party Hardness Data*

You can submit receiving stream hardness data collected by a third party provided the results are collected consistent with the approved 40 CFR Part 136 methods. These data may come from a local water utility, previously conducted stream reports, TMDLs, peer reviewed literature, other government publications, or data previously collected by the permittee. Data should be less than 10 years old. Water quality data for many of the nation's surface waters are available online or by contacting the EPA or a state environmental agency. The LDEQ's ambient monitoring data may be accessed online at <https://www.deq.louisiana.gov/page/ambient-water-quality-monitoring-data>. LDEQ recommends using the most recent 2-year average for calculating the benchmark value. The EPA's data system STORET, short for STORage and RETrieval, is a repository for receiving water quality, biological, and physical data and is used by state environmental agencies, the EPA and other federal agencies, universities, private citizens, and many others. Similarly, state environmental agencies and the U.S. Geological Service (USGS) also have water quality data available that, in some instances, can be accessed online. "Legacy STORET" codes for hardness include: 259 hardness, carbonate; 260 hardness, non-carbonated; and 261 calcium + magnesium, while more recent, "Modern STORET" data codes include: 00900 hardness, 00901 carbonate hardness, and 00902 non-carbonate hardness; or the discrete measurements of calcium (00915) and magnesium (00925) can be used to calculate hardness. Hardness data historically has been reported as "carbonate," "non-carbonate," or "Ca + Mg."

If these are unavailable, then individual results for calcium (Ca) and magnesium (Mg) may be used to calculate hardness using the following equation:

$$\text{mg/L CaCO}_3 = 2.497 (\text{Ca mg/L}) + 4.118 (\text{Mg mg/L})$$

When interpreting the data for carbonate and non-carbonate hardness, note that total hardness is equivalent to the sum of carbonate and non-carbonate hardness if both forms are reported. If only carbonate hardness is reported, it is more than likely that non-

carbonate hardness is absent and the total hardness is equivalent to the available carbonate hardness.

**ADDENDUM F**

**NOTICE OF TERMINATION (NOT) FORM**

**STATE OF LOUISIANA**  
**DEPARTMENT OF ENVIRONMENTAL QUALITY**  
*Office of Environmental Services, Water Permits Division*  
**Post Office Box 4313**  
**Baton Rouge, LA 70821-4313**  
**PHONE#: (225) 219-3590**

**LPDES NOTICE OF TERMINATION (NOT) OF STORM WATER DISCHARGES  
ASSOCIATED WITH INDUSTRIAL ACTIVITY UNDER THE  
LPDES MULTI-SECTOR GENERAL PERMIT (MSGP)**

Submission of this form constitutes notice that the party identified in Section II is no longer authorized to discharge storm water associated with industrial activity under the LPDES MSGP. This Office will notify the permittee in writing of the termination of coverage. ALL INFORMATION MUST BE PROVIDED ON THIS FORM.

**SECTION I - PERMIT INFORMATION**

LPDES MSGP Authorization Number for the facility LAR05 \_\_\_\_\_ AI#: \_\_\_\_\_

- Check here if you are no longer the operator of the facility. Date: \_\_\_\_\_  
 Check here if the storm water discharge is being terminated. Date: \_\_\_\_\_

If storm water coverage has been obtained under an alternate LPDES permit, please give the alternate permit number. \_\_\_\_\_

**SECTION II - FACILITY INFORMATION**

Owner/Operator Name \_\_\_\_\_

Facility Name \_\_\_\_\_

Phone \_\_\_\_\_ Fax \_\_\_\_\_ E-mail \_\_\_\_\_

Mailing Address \_\_\_\_\_

\_\_\_\_\_ Zip Code \_\_\_\_\_

Location of Facility \_\_\_\_\_

City \_\_\_\_\_ Parish \_\_\_\_\_

**SECTION III - CERTIFICATION**

I certify under penalty of law that all storm water discharges associated with industrial activity from the identified facility that are authorized by the MSGP have been eliminated, that I am no longer the operator of the facility, or that these discharges are now covered by another LPDES permit. I understand that, by submitting this Notice of Termination, I am no longer authorized to discharge storm water associated with industrial activity under this general permit and that discharging pollutants in storm water associated with industrial activity to waters of the State is unlawful under the Environmental Quality Act where the discharge is not authorized by an LPDES permit. I also understand that the submittal of this Notice of Termination does not release an operator from liability for any violations of this permit or the Environmental Quality Act.

**Signature** \_\_\_\_\_

**Printed Name** \_\_\_\_\_

**Date** \_\_\_\_\_

**ADDENDUM G**

**NO EXPOSURE (NOEXP) CERTIFICATION FORM**

**STATE OF LOUISIANA**  
**DEPARTMENT OF ENVIRONMENTAL QUALITY**  
*Office of Environmental Services, Water Permits Division*  
*Post Office Box 4313*  
*Baton Rouge, LA 70821-4313*  
*PHONE#: (225) 219-3181*

**LPDES NO EXPOSURE CERTIFICATION FOR EXCLUSION  
FROM LPDES STORM WATER PERMITTING**

(Attach additional pages if needed.)

Submission of this No Exposure Certification constitutes that the entity identified below in Section I does not require permit authorization for its storm water discharges associated with industrial activity in Louisiana, as defined in:

LAC 33:IX.2511.B, due to the existence of a condition of no exposure, in accordance with the provisions of LAC 33:IX.2511.G.

A condition of no exposure exists at an industrial facility when all industrial materials and activities are protected by a storm resistant shelter to prevent exposure to rain, snow, snowmelt, and/or runoff. Industrial materials or activities include, but are not limited to, material handling equipment or activities, industrial machinery, raw materials, intermediate products, by-products, final products, or waste products. Material handling activities include the storage, loading and unloading, transportation, or conveyance of any raw material, intermediate product, final product or waste product. A storm resistant shelter is not required for the following industrial materials and activities:

- drums, barrels, tanks, and similar containers that are tightly sealed, provided those containers are not deteriorated and do not leak. (Sealed means banded or otherwise secured and without operational taps or valves);
- adequately maintained vehicles used in material handling; and
- final products, other than products that would be mobilized in storm water discharges (e.g., rock salt).

A No Exposure Certification must be submitted for each facility qualifying for the no exposure exclusion. In addition, the exclusion from LPDES storm water permitting is available on a facility-wide basis only, not for individual outfalls. **A facility is not eligible for the no exposure exclusion if it has standard industrial classification (SIC) codes and or industrial activity codes that are not applicable to those listed in Table 1 of the Multi-Sector General Permit (MSGP) and if any of its industrial activities or materials are or will be exposed to precipitation.**

By signing and submitting this No Exposure Certification form, the entity in Section I is certifying that a condition of no exposure exists at its facility or site, and is obliged to comply with the terms and conditions of LAC 33:IX.2511.G.

ALL INFORMATION MUST BE PROVIDED ON THIS FORM.

**Detailed instructions for completing this form and obtaining the no exposure exclusion are provided on pages 4-5.**

## SECTION I - FACILITY INFORMATION

**A. No Exposure Exclusion is to be granted to the following:** (must have operational control over the facility operations - see LAC 33:IX.2501.B and LAC 33:IX.2503.A and B).

1. Legal Name of Applicant (Company, Partnership, Corporation, etc.) \_\_\_\_\_

Facility Name \_\_\_\_\_

Mailing Address \_\_\_\_\_

\_\_\_\_\_ Zip Code: \_\_\_\_\_

Phone Number \_\_\_\_\_

Email Address \_\_\_\_\_

If the applicant named above is not also the owner, provide the owner's name, phone #, and address.

\_\_\_\_\_  
\_\_\_\_\_

Please check status:  Federal  Parish  Municipal  
 State  Public  Private  Other: \_\_\_\_\_

2. Location of facility. Please provide a specific address, street, road, highway, interstate, and/or River Mile/Bank location of the facility for which the NOI is being submitted.

\_\_\_\_\_  
City \_\_\_\_\_ Zip Code: \_\_\_\_\_ Parish \_\_\_\_\_

Front Gate Coordinates:

Latitude- \_\_\_\_ deg. \_\_\_\_ min. \_\_\_\_ sec. Longitude- \_\_\_\_ deg. \_\_\_\_ min. \_\_\_\_ sec.

Method of Coordinate Determination: \_\_\_\_\_  
(Quad Map, Previous Permit, website, GPS)

3. Was or is this facility or site covered under an LPDES permit? Yes No

If yes, enter the LPDES permit number(s): \_\_\_\_\_

4. SIC/Storm Water Activity Codes applicable to facility (No exposure exclusion limited to codes listed in Table 1 of MSGP.):

Primary Code \_\_\_\_\_ Secondary Codes \_\_\_\_\_

SIC codes can be obtained from the U. S. Department of Labor at <https://www.osha.gov/pls/imis/sicsearch.html>.

5. Provide the total size of the site associated with the industrial activity: \_\_\_\_\_ Acres

6. Has a formerly exposed, pervious area been paved or roofed in order to qualify for the no exposure exclusion?

Yes  No

If yes, please indicate approximately how much area was paved or roofed.

Less than one acre  One to five acres  More than five acres

## SECTION II – EXPOSURE CHECKLIST

**A. Are any of the following materials or activities at the facility or site exposed to precipitation, now or in the foreseeable future? (Check Yes or No in the appropriate box.) If Yes is the answer to any of the items below, the facility is not eligible for the no exposure exclusion.**

1.  Yes  No Using, storing or cleaning industrial machinery or equipment, and areas where residuals from using, storing or cleaning industrial machinery or equipment remain and are exposed to storm water.
2.  Yes  No Materials or residuals on the ground or in storm water inlets from spills/leaks.
3.  Yes  No Materials or products from past industrial activity.
4.  Yes  No Material handling equipment (except adequately maintained vehicles).
5.  Yes  No Materials or products during loading/unloading or transporting activities.
6.  Yes  No Materials or products stored outdoors (except final products intended for outside use (e.g., new cars) where exposure to storm water does not result in the discharge of pollutants.
7.  Yes  No Materials contained in open, deteriorated or leaking storage drums, barrels, tanks or similar containers.
8.  Yes  No Materials or products handled/stored on roads or railways owned or maintained by the discharger.
9.  Yes  No Waste Material (except waste in covered, non-leaking containers (e.g., dumpsters).
10.  Yes  No Application or disposal of process wastewater (unless otherwise permitted).
11.  Yes  No Particulate matter or visible deposits of residuals from roof stacks and/or vents not otherwise regulated (i.e., under an air quality control permit) and evident in the stormwater outflow.
12.  Yes  No Had a reportable quantity spill since 1987?

## SECTION III – CERTIFICATION STATEMENT

I certify under penalty of law that I have read and understand the eligibility requirements for claiming a condition of no exposure and obtaining an exclusion from LPDES storm water permitting.

I certify under penalty of law that there are no discharges of storm water contaminated by exposure to industrial activities or materials from the industrial facility or site identified in this document (except as allowed under LAC 33:IX.2511.G.2).

I understand that I am obligated to submit a no exposure certification form once every five years to the state permitting authority and, if requested, to the operator of the local municipal separate storm sewer system (MS4) into which the facility discharges (where applicable). I understand that I must allow the state permitting authority or MS4 operator where the discharge is into the local MS4, to perform inspections to confirm the condition of no exposure and to make such inspection reports publicly available upon request. I understand that I must obtain coverage under an LPDES permit prior to any point source discharge of storm water from the facility.

Additionally, 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 sure 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 persons 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.

Signature \_\_\_\_\_

Printed Name \_\_\_\_\_

Title \_\_\_\_\_

Company \_\_\_\_\_

Date \_\_\_\_\_

## SECTION IV – INSTRUCTIONS FOR THE NO EXPOSURE CERTIFICATION FOR EXCLUSION FROM LPDES STORM WATER PERMITTING

### Who may file a No Exposure Certification?

The Louisiana Administrative Code, at LAC 33:IX.2511 prohibits point source discharges of storm water associated with industrial activity to waters of the state without a Louisiana Pollutant Discharge Elimination System (LPDES) permit. However, LPDES coverage is not required for discharges of storm water associated with industrial activities identified at LAC 33:IX.2511.B.14.a-l, and k if the discharger can certify that a condition of no exposure exists at the industrial facility or site.

Storm water discharges from construction activities identified in LAC 33:IX.2511.B.14.j and B.15 are not eligible for the no exposure exclusion.

### Obtaining and Maintaining the No Exposure Exclusion

This form is used to certify that a condition of no exposure exists at the industrial facility or site described herein. This certification is only applicable in the state of Louisiana and must be re-submitted at least once every five years.

The industrial facility operator must maintain a condition of no exposure at its facility or site in order for the no exposure exclusion to remain applicable. If conditions change resulting in the exposure of materials and activities to storm water, the facility operator must obtain coverage under an LPDES storm water permit immediately.

### Where to File the No Exposure Certification Form

Mail the completed form to the following address:

Department of Environmental Quality  
Office of Environmental Services  
Water Permits Division  
Post Office Box 4313  
Baton Rouge, LA 70821-4313

### Section I. Facility Information

1. Provide the legal name, mailing address, phone number, and email address of the entity (company, partnership, corporation, etc.), that operates the facility. Note that it is this entity, not the plant or site manager, that is considered the operator.).

Enter the name and check the appropriate status box of the facility.

If the entity named as the legal applicant in this form's Section I.A.1 is not also the owner, provide the owner's name, address, and phone number.

2. Enter the facility's specific address, road, or River Mile/Bank location (Ex. Intersection of Hwys. 9 & 55), front gate latitude and longitude in degrees/minutes/seconds, and the method of coordinate determination (Ex. a United States Geological Survey (USGS) quadrangle or topographic map, a Global Positioning System (GPS) unit, a map website, facility's previous permit, etc.) used to obtain the coordinates. Call the USGS for maps at 1(888) ASK-USGS or access maps at <https://www.mytopo.com/maps/> or [www.topozone.com](http://www.topozone.com).

Latitude and longitude in decimal degrees can be converted to degrees/minutes/seconds by following the steps in the example below:

Example: Convert decimal latitude 45.1234567 to degrees (°), minutes ('), and seconds (").

- a) The numbers to the left of the decimal point are the degrees: 45°.
- b) To obtain minutes, multiply the first four numbers to the right of the decimal point by 0.006:  $1234 \times 0.006 = 7.404$ .
- c) The numbers to the left of the decimal

point in the result obtained in (b) are the minutes: 7'.

d) To obtain seconds, multiply the remaining three numbers to the right of the decimal from the result obtained in (b) by 0.06:  $404 \times 0.06 = 24.24$ . Since the numbers to the right of the decimal point are not used, the result is 24".

e) The conversion result for 45.1234567 = 45° 7' 24".

3. Indicate whether the facility is currently or was previously covered under an LPDES permit. If so, include the permit number.
4. Enter the 4-digit SIC code(s) for the facility's primary and, if applicable, secondary code(s). SIC codes can be obtained at <https://www.osha.gov/pls/imis/sicsearch.htm>. **The facility is ineligible for the no exposure exclusion if its SIC code is not listed in Table 1 of the MSGP.**
5. Enter the total size of the site associated with industrial activity in acres. Acreage may be determined by dividing square footage by 43,560, as demonstrated in the following example:  
  
Example: Convert 54,450 ft<sup>2</sup> to acres  
Divide 54,450 ft<sup>2</sup> by 43,560 square feet per acre:  $54,450 \text{ ft}^2 \div 43,560 \text{ ft}^2/\text{acre} = 1.25$  acres.
6. Check *Yes* or *No* to indicate whether a formerly exposed, pervious area (i.e., lawn, meadow, dirt or gravel road/parking lot) has been paved or roofed in order to qualify for the no exposure. If yes, indicate approximately how much area was paved or roofed. The response provided may be used to determine if storm water discharges from the facility or site are likely to adversely impact water quality, in which case the facility could be required to obtain permit coverage.

## Section II. Exposure Checklist

Check *Yes* or *No* to address the exposure conditions to precipitation at the facility. **If Yes is the response to any of the 12 questions in this section, then the facility is not eligible for the no exposure exclusion from LPDES storm water permitting because a potential for exposure exists at the site, and LPDES storm water permit coverage is required.** Once permit coverage has been obtained and the potential for exposure of industrial activities to precipitation is eliminated, the entity may certify to the facility meeting the condition of no exposure by submitting a completed Form NOEXP for the facility.

## Section III. Certification Statement

LPDES regulations require this certification form to be signed as follows:

For a corporation: by a responsible corporate officer, which means:

- (i) 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
- (ii) the manager of one or more manufacturing, production, or operating facilities employing more than 250 persons or having gross annual sales or expenditures exceeding \$25 million (in second-quarter 1980 dollars), if authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures;

For a partnership or sole proprietorship: by a general partner or the proprietor; or for a municipal, State, Federal, or other public facility: by either a principal executive or ranking elected official.