

Tennessee Storm Water Multi-Sector
 General Permit for Industrial Activities (TMSP)
Sector F

Sector F - Stormwater Discharges Associated With Industrial Activity From Primary Metals Facilities

1. Discharges Covered Under This Section

The requirements listed under this section shall apply to stormwater discharges associated with industrial activity from a facility engaged in manufacturing the following products and generally described by the SIC codes shown below:

SIC Code	Sector F: Primary Metals Facilities	Sampling Required?	Table Number
3312	Steel Works, Blast Furnaces (Including Coke Ovens), and Rolling Mills	Yes	F-1
3313	Electrometallurgical Products, Except Steel	Yes	F-1
3315	Steel Wiredrawing and Steel Nails and Spikes	Yes	F-1
3316	Cold-Rolled Steel Sheet, Strip, and Bars	Yes	F-1
3317	Steel Pipe and Tubes	Yes	F-1
3321	Gray and Ductile Iron Foundries	Yes	F-2
3322	Malleable Iron Foundries	Yes	F-2
3324	Steel Investment Foundries	Yes	F-2
3325	Steel Foundries, NEC	Yes	F-2
3331	Primary Smelting and Refining of Copper	No	--
3334	Primary Production of Aluminum	No	--
3339	Primary Smelting and Refining of Nonferrous Metals, Except Copper and Aluminum	No	--
3341	Secondary Smelting and Refining of Nonferrous Metals	No	--
3351	Rolling, Drawing, and Extruding of Copper	Yes	F-3
3353	Aluminum Sheet, Plate, and Foil	Yes	F-3
3354	Aluminum Extruded Products	Yes	F-3
3355	Aluminum Rolling and Drawing, NEC	Yes	F-3
3356	Rolling, Drawing, and Extruding of Nonferrous Metals, Except Copper and Aluminum	Yes	F-3
3357	Drawing and Insulating of Nonferrous Wire	Yes	F-3
3363	Aluminum Die-Castings	Yes	F-4
3364	Nonferrous Die-Castings, Except Aluminum	Yes	F-4
3365	Aluminum Foundries	Yes	F-4
3366	Copper Foundries	Yes	F-4
3369	Nonferrous Foundries, Except Aluminum and Copper	Yes	F-4
3398	Metal Heat Treating	No	--
3399	Primary Metal Products, NEC	No	--

When an industrial facility, described by the above coverage provisions of this section, has industrial activities being conducted onsite that meet the description(s) of industrial activities in another section(s), that industrial facility shall comply with any and all applicable monitoring and pollution prevention plan requirements of the other section(s) in addition to all applicable requirements in this section. The monitoring and pollution prevention plan terms and conditions of this multi-sector permit are additive for industrial activities being conducted at the same industrial facility (co-located industrial activities). The operator of the facility shall determine which other monitoring and pollution prevention plan section(s) of this permit (if any) are applicable to the facility.

Tennessee Storm Water Multi-Sector
General Permit for Industrial Activities (TMSP)
Sector F

2. Special Conditions

Prohibition of Non-stormwater Discharges. Except for those allowable non-stormwater discharges included in section 3.1.2 (Allowable Non-Stormwater Discharges) of this permit, there are no other non-stormwater discharges authorized in this Sector.

3. Stormwater Pollution Prevention Plan Requirements

3.1 Deadlines for Plan Preparation and Compliance. There are no additional deadlines for plan preparation and compliance, other than those stated in part **Error! Reference source not found.**

3.2 Contents of Plan. The plan shall include, at a minimum, the following items:

3.2.1 Pollution Prevention Team. Each plan shall identify a specific individual or individuals within the facility organization as members of a stormwater Pollution Prevention Team that are responsible for developing the stormwater pollution prevention plan and assisting the facility or plant manager in its implementation, maintenance, and revision. The plan shall clearly identify the responsibilities of each team member. The activities and responsibilities of the team shall address all aspects of the facility's stormwater pollution prevention plan.

3.2.2 Description of Potential Pollutant Sources. Each plan shall provide a description of potential sources that may reasonably be expected to add significant amounts of pollutants to stormwater discharges or that may result in the discharge of pollutants during dry weather from separate storm sewers draining the facility. Each plan shall identify all activities and significant materials that may potentially be significant pollutant sources. Each plan shall include, at a minimum:

3.2.2.1 Drainage. A site map indicating an outline of the portions of the drainage area of each stormwater outfall that are within the facility boundaries, each existing structural control measure to reduce pollutants in stormwater runoff, surface water bodies, locations where significant materials are exposed to precipitation, locations where major spills or leaks identified under subsection 11.F.3.2.2.2 of this sector (Spills and Leaks) of this permit have occurred, and the 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 such as spent solvents or baths, sand, slag or dross, liquid storage tanks or drums, processing areas including pollution control equipment such as baghouses, and storage areas of raw materials such as coal, coke, scrap, sand, fluxes, refractories, or metal in any form. The map shall also indicate areas of the facility where accumulation of significant amounts of particulate matter from operations such as furnace or oven emissions or losses from coal/coke handling operations, etc., is likely, and could result in a discharge of pollutants to waters of the state. The map must indicate the outfall locations and the types of discharges contained in the drainage areas of the outfalls.

For each area of the facility that generates stormwater discharges associated with industrial activity with a reasonable potential for containing significant amounts of pollutants, the plan should include a prediction of the direction of flow, and an identification of the types of

Tennessee Storm Water Multi-Sector
General Permit for Industrial Activities (TMSP)
Sector F

pollutants that are likely to be present in stormwater discharges associated with industrial activity. Factors to consider include the toxicity of a chemical; quantity of chemicals used, produced or discharged; the likelihood of contact with stormwater; and history of significant leaks or spills of toxic or hazardous pollutants. Flows with a significant potential for causing erosion shall be identified.

- 3.2.2.2 Inventory of Exposed Materials - An inventory of the types of materials handled at the site that potentially may be exposed to precipitation. Such inventory shall include a narrative description of significant materials that have been handled, treated, stored or disposed in a manner to allow exposure to stormwater between the time of 3 years prior to the date of the submission of an NOI to be covered under this permit and the present; method and location of onsite storage or disposal; materials management practices employed to minimize contact of materials with stormwater runoff between the time of 3 years prior to the date of the submission of an NOI to be covered under this permit and the present; the location and a description of existing structural and nonstructural control measures to reduce pollutants in stormwater runoff; and a description of any treatment the stormwater receives. This description should also include areas with the potential for deposition of particulate matter from process air emissions or losses during material handling activities. The description shall be updated whenever there is a significant change in the type or quantity of exposed materials, or material management practices that may affect the exposure of materials to stormwater.
- 3.2.2.3 Spills and Leaks - A list of significant spills and significant leaks of toxic or hazardous pollutants that occurred at areas that are exposed to precipitation or that otherwise drain to a stormwater conveyance at the facility after the date of 3 years prior to the date of the submission of an NOI to be covered under this permit. Such list shall be updated as appropriate during the term of the permit.
- 3.2.2.4 Sampling Data - A summary of existing discharge sampling data describing pollutants in stormwater discharges from the facility, including a summary of sampling data collected during the term of this permit.
- 3.2.2.5 Risk Identification and Summary of Potential Pollutant Sources - A narrative description of the potential pollutant sources from the following activities: loading and unloading operations; outdoor storage activities; outdoor manufacturing or processing activities; significant dust or particulate generating processes occurring indoors or out, with or without pollution control equipment in place to trap particulates; and onsite waste disposal practices. The description shall specifically list any significant potential source of pollutants at the site and for each potential source, any pollutant or pollutant parameter (e.g., chemical oxygen demand, oil and grease, copper, lead, zinc, etc.) of concern, shall be identified.
- 3.2.3 Measures and Controls. Each facility covered by this permit shall develop a description of stormwater management controls appropriate for the facility, and implement such controls. The appropriateness and priorities of controls in a plan shall reflect identified potential sources of pollutants at the facility. The description of stormwater management controls shall address the following minimum components, including a schedule for implementing such controls:

Tennessee Storm Water Multi-Sector
General Permit for Industrial Activities (TMSP)
Sector F

- 3.2.3.1 Good Housekeeping - Good housekeeping requires the maintenance of areas that may contribute pollutants to stormwater discharges in a clean, orderly manner. The pollution prevention plan should consider implementation of the following measures, or equivalent measures, where applicable.

Establish a cleaning or maintenance program for all impervious areas of the facility where particulate matter, dust, or debris may accumulate, particularly areas of material loading/unloading, material storage and handling, and processing.

Pave areas of vehicle traffic or material storage where vegetative or other stabilization methods are not practical. Institute a sweeping program in these areas as well.

For unstabilized areas of the facility where sweeping is not practical, stormwater management devices such as sediment traps, vegetative buffer strips, filter fabric fence, sediment filtering boom, gravel outlet protection, or other equivalent measures, that effectively trap or remove sediment should be considered.

- 3.2.3.2 Source Controls - The permittee shall consider preventive measures to minimize the potential exposure of all significant materials (as described in paragraph 11.6.3.a. (3) of this section) to precipitation and stormwater runoff. The permittee should consider the implementation of the following measures, or equivalent measures, to reduce the exposure of all materials to stormwater:

Relocating all materials, including raw materials, intermediate products, material handling equipment, obsolete equipment, and wastes currently stored outside to inside locations.

Establishment of a schedule for removal of wastes and obsolete equipment to minimize the volume of these materials stored onsite that may be exposed to stormwater.

Initiate a program to substitute less hazardous materials, or materials less likely to contaminate stormwater, or substitution of recyclable materials for nonrecyclables wherever possible.

Constructing permanent or semipermanent covers or other similar forms of protection over stockpiled materials, material handling and processing equipment. Options include roofs, tarps, and covers. This may also include the use of containment bins or covered dumpsters for raw materials, waste materials and nonrecyclable waste materials.

Dikes, berms, curbs, trenches, or other equivalent measures to divert run-on from material storage, processing, or waste disposal areas.

- 3.2.3.3 Preventive Maintenance - A preventive maintenance program shall involve timely inspection and maintenance of stormwater management devices (e.g., cleaning oil/water separators, catch basins) 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, and ensuring appropriate maintenance of such equipment and systems.

Tennessee Storm Water Multi-Sector
General Permit for Industrial Activities (TMSP)
Sector F

A schedule for inspection and maintenance of all particulate emissions control equipment should be established to ensure proper operation. Inspections should be conducted as described in Section 11.F.3.2.3.6 below. Detection of any leaks or defects that could lead to excessive emissions shall be repaired as soon as practicable. Where significant settling or deposition from process emissions are observed during proper operation of existing equipment, the permittee shall consider ways to reduce these emissions including but not limited to: upgrading or replacing existing equipment; collecting runoff from areas of deposition for treatment or recycling; or changes in materials or processes to reduce the generation of particulate matter.

3.2.3.4 Structural Best Management Practices (BMPs) will be visually inspected for signs of washout, excessive sedimentation, deterioration, damage, or overflowing, and shall be repaired or maintained as soon as practicable.

3.2.3.5 Spill Prevention and Response Procedures - Areas where potential spills that can contribute pollutants to stormwater discharges may occur, and their accompanying drainage points shall be identified clearly in the stormwater pollution prevention plan. The plan should be consider specifying material handling procedures, storage requirements, and use of equipment such as diversion valves. Procedures for cleaning up spills shall be identified in the plan and made available to the appropriate personnel. The necessary equipment to implement a clean-up should be available to personnel.

3.2.3.6 Inspections - Qualified facility personnel shall be identified to inspect designated equipment and areas of the facility at appropriate intervals, but no less frequently than once during each of the following periods: January through March; April through June; July through September; and October through December. A set of tracking or follow-up procedures shall be used to ensure that appropriate actions are taken in response to the inspections. Records of inspections shall be maintained. Inspections shall be conducted on a quarterly basis and address, at a minimum, the following areas where applicable:

Air pollution control equipment such as baghouses, electrostatic precipitators, scrubbers, and cyclones, should be inspected on a routine basis for any signs of disrepair such as leaks, corrosion, or improper operation that could limit their efficiency and lead to excessive emissions. The permittee should consider monitoring air flow at inlets and outlets, or equivalent measures, to check for leaks or blockage in ducts. Visual inspections shall be made for corrosion, leaks, or signs of particulate deposition or visible emissions that could indicate leaks.

All process or material handling equipment such as conveyors, cranes, and vehicles should be inspected for leaks, drips, etc. or for the potential loss of materials.

Material storage areas such as piles, bins or hoppers for storing coke, coal, scrap, or slag, as well as chemicals stored in tanks or drums, should be examined for signs of material losses due to wind or stormwater runoff.

Note that additional Stormwater Pollution Prevention Plan (SWPPP) requirements for discharges into waters with unavailable parameters or Exceptional Tennessee waters, as described in the subpart 4.6 of this permit may be applicable to your facility.

Sector F

3.2.3.7 Employee Training - Employee training programs shall inform personnel responsible for implementing activities identified in the stormwater pollution prevention plan or otherwise responsible for stormwater management at all levels of responsibility of the components and goals of the stormwater pollution prevention plan. Training should address topics such as spill response, good housekeeping and material management practices. The pollution prevention plan shall identify periodic dates for such training.

3.2.3.8 Recordkeeping and Internal Reporting Procedures - A description of incidents (such as spills, or other discharges), along with other information describing the quality and quantity of stormwater discharges shall be included in the plan required under this part. Inspections and maintenance activities shall be documented and records of such activities shall be incorporated into the plan.

3.2.3.8 Non-stormwater Discharges

3.2.3.8.1 Certification. The plan shall include a certification that the discharge has been tested or evaluated for the presence of non-stormwater discharges. The certification shall include the identification of potential significant sources of non-stormwater at the site, a description of the results of any test and/or evaluation for the presence of non-stormwater discharges, the evaluation criteria or testing method used, the date of any testing and/or evaluation, and the onsite drainage points that were directly observed during the test. Certifications shall be signed in accordance with subpart 7.7 of this permit. Such certification may not be feasible if the facility operating the stormwater discharge associated with industrial activity does not have access to an outfall, manhole, or other point of access to the ultimate conduit that receives the discharge. In such cases, the source identification section of the stormwater pollution prevention plan shall indicate why the certification required by this part was not feasible, along with the identification of potential significant sources of non-stormwater at the site. A discharger that is unable to provide the certification required by this paragraph must notify the Division of Water Resources in accordance with paragraph "Failure to Certify" (below).

Sources of non-stormwater that are combined with stormwater discharges associated with industrial activity must be identified in the plan. The plan shall identify and ensure the implementation of appropriate pollution prevention measures for the non-stormwater component(s) of the discharge. Any non-stormwater discharges that are not authorized under this permit or another NPDES permit should be brought to the attention of the division's local Environmental Field Office (see list of EFOs on page 14).

3.2.3.8.2 Failure to Certify - Any facility that is unable to provide the certification required (testing for non-stormwater discharges), must notify the Division of Water Resources not later than 180 days after submitting an NOI to be covered by this permit. If the failure to certify is caused by the inability to perform adequate tests or evaluations, such notification shall describe: the procedure of any test conducted for the presence of non-stormwater discharges; the results of such test or other relevant observations; potential sources of non-stormwater discharges to the storm sewer; and why adequate tests for such storm sewers were not feasible. Non-stormwater discharges to waters of the state that are not authorized by an NPDES permit are unlawful, and must be terminated.

Sector F

- 3.2.3.9 Sediment and Erosion Control - The plan shall identify areas that, due to topography, activities, or other factors, have a high potential for significant soil erosion, and identify structural, vegetative, and/or stabilization measures to be used to limit erosion. The plan shall also contain a narrative consideration of the appropriateness of traditional stormwater management practices (practices other than those that control the generation or source(s) of pollutants) used to divert, infiltrate, reuse, or otherwise manage stormwater runoff in a manner that reduces pollutants in stormwater discharges from the site. The plan shall provide that measures that the permittee determines to be reasonable and appropriate shall be implemented and maintained. The potential of various sources at the facility to contribute pollutants to stormwater discharges associated with industrial activity (see paragraph F.3.2.2.5 of this section (Description of Potential Pollutant Sources) shall be considered when determining reasonable and appropriate measures. Appropriate measures may include: vegetative swales and practices, reuse of collected stormwater (such as for a process or as an irrigation source), inlet controls (such as oil/water separators), snow management activities, infiltration devices, and wet detention/retention devices or other equivalent measures.
- 3.2.3.10 Management of Runoff - Facilities shall consider implementation of the following stormwater management practices or other equivalent measures to address pollutants of concern:
- Vegetative buffer strips, filter fabric fence, sediment filtering boom, or other equivalent measures, that effectively trap or remove sediment prior to discharge through an inlet or catch basin.
 - Media filtration such as catch basin filters and sand filters.
 - Oil/water separators or the equivalent.
 - Structural BMPs such as settling basins, sediment traps, retention or detention ponds, recycling ponds or other equivalent measures.
- 3.2.4 Comprehensive Site Compliance Evaluation. Qualified personnel shall conduct site compliance evaluations at appropriate intervals specified in the SWPPP but in no case less than once a year. Such evaluations shall provide:
- 3.2.4.1 Areas contributing to a stormwater discharge associated with industrial activity such as material storage and handling, loading and unloading, process activities, and plant yards shall be visually inspected for evidence of, or the potential for, pollutants entering the drainage system (and potentially waters of the state). Measures to reduce pollutant loadings shall be evaluated to determine whether they are adequate and properly implemented in accordance with the terms of the permit or whether additional control measures are needed. Structural stormwater management measures, sediment and erosion control measures, other structural pollution prevention measures identified in the plan, as well as process related pollution control equipment shall be observed or tested to ensure that they are operating correctly. A visual inspection of equipment needed to implement the plan, such as spill response equipment, shall be made.
- 3.2.4.2 Based on the results of the evaluation, the description of potential pollutant sources identified in the plan in accordance with paragraph F.3.2.2.5 of this section (Description of Potential Pollutant Sources) and pollution prevention measures and controls identified in the plan in accordance with paragraph F.3.2.3 of this section (Measures and Controls) shall be revised as

Tennessee Storm Water Multi-Sector
General Permit for Industrial Activities (TMSP)
Sector F

appropriate within 2 weeks of such evaluation and shall provide for implementation of any changes to the plan in a timely manner, but in no case more than 12 weeks after the evaluation.

- 3.2.4.3 A report summarizing the scope of the evaluation, personnel making the evaluation, the date(s) of the evaluation, major observations relating to the implementation of the stormwater pollution prevention plan, and actions taken in accordance with paragraph 3.2.3.7 (above) of the permit shall be made and retained as part of the stormwater pollution prevention plan for at least 3 years from the date of the evaluation. The report shall identify any incidents of noncompliance. Where a report does not identify any incidents of noncompliance, the report shall contain a certification that the facility is in compliance with the stormwater pollution prevention plan and this permit. The report shall be signed in accordance with subpart 7.7 (Signatory Requirements) of this permit.
- 3.2.4.4 Where compliance evaluation schedules overlap with inspections required, the compliance evaluation may be conducted in place of one such inspection.

4. Numeric Effluent Limitations

There are no additional numeric effluent limitations beyond those described in subpart 5.2 (Coal Pile Runoff) of the TMSP.

5. Monitoring and Reporting Requirements

Permittees subject to Numeric Effluent Limitations described in subpart 5.2 above (Coal Pile Runoff) must submit to the division monitoring results annually on a signed copy of the Discharge Monitoring Report (DMR, see Addendum E).

Permittees subject to Analytical Monitoring Requirements as described in subpart 5.1 of this sector (see below) must submit the benchmark results using an Annual Stormwater Monitoring Report (see Addendum D) to the division.

5.1 Analytical Monitoring Requirements

During the term of this permit, permittees covered under this sector must monitor their stormwater discharges associated with industrial activity at least once per calendar year (annually), except as provided in paragraphs 5.1.3 (Sampling Waiver), 5.1.4 (Representative Discharge), and 5.1.5 (Alternative Certification). For SIC-specific breakdown of monitoring requirements and applicable Monitoring Requirements (listed below), see Table in part 1 of this industrial sector (1. Discharges Covered Under This Section). Facilities must report in accordance with 5.2 (Reporting). In addition to the parameters listed in Tables F-1 through F-5 below, the permittee shall maintain a record of the date and duration (in hours) of the storm event(s) sampled; rainfall measurements or estimates (in inches) of the storm event that generated the sampled runoff; the duration between the storm event sampled and the end of the previous measurable (greater than 0.1 inch rainfall) storm event; and an estimate of the total volume (in gallons) of the discharge sampled.

Tennessee Storm Water Multi-Sector
 General Permit for Industrial Activities (TMSP)
Sector F

Table F-1. Benchmark Monitoring Requirements for Steel Works, Blast Furnaces, and Rolling and Finishing Mills (SIC 331X)

Pollutants of Concern	Benchmark [mg/L]
Total Recoverable Aluminum	0.75
Total Recoverable Zinc	0.395
Total Suspended Solids	150

Table F-2. Benchmark Monitoring Requirements for Iron and Steel Foundries (SIC 332X)

Pollutants of Concern	Benchmark [mg/L]
Total Recoverable Aluminum	0.75
Total Suspended Solids	150
Total Recoverable Copper	0.018
Total Recoverable Iron	5
Total Recoverable Zinc	0.395
Chemical Oxygen Demand (COD)	120

Table F-3. Benchmark Monitoring Requirements for Rolling, Drawing, and Extruding of Non-Ferrous Metals (SIC 335X)

Pollutants of Concern	Benchmark [mg/L]
Total Recoverable Copper	0.018
Total Recoverable Zinc	0.395
Chemical Oxygen Demand (COD)	120

Table F-4. Benchmark Monitoring Requirements for Non-Ferrous Foundries (SIC 336)

Pollutants of Concern	Benchmark [mg/L]
Total Recoverable Copper	0.018
Total Recoverable Zinc	0.395
Chemical Oxygen Demand (COD)	120

- 5.1.1 Monitoring Periods. Primary metals facilities shall monitor samples collected during any period of a calendar year, as long as the samples are representative of the quantity and quality of the stormwater runoff being discharged from the facility.
- 5.1.2 Sample Type. A minimum of one grab sample shall be taken. All such samples shall be collected from the discharge resulting from a storm event that is greater than 0.1 inches in

Tennessee Storm Water Multi-Sector
General Permit for Industrial Activities (TMSP)
Sector F

magnitude and that occurs at least 72 hours from the previously measurable (greater than 0.1 inch rainfall) storm event. The required 72-hour storm event interval is waived where the preceding measurable storm event did not result in a measurable discharge from the facility. The required 72-hour storm event interval may also be waived where the permittee documents that less than a 72-hour interval is representative for local storm events during the season when sampling is being conducted. The grab sample shall be taken during the first 30 minutes of the discharge. If the collection of a grab sample during the first 30 minutes is impracticable, a grab sample can be taken during the first hour of the discharge, and the discharger shall submit with the monitoring report a description of why a grab sample during the first 30 minutes was impracticable. If stormwater discharges associated with industrial activity commingle with process or nonprocess water, then where practicable permittees must attempt to sample the stormwater discharge before it mixes with the non-stormwater discharge.

In addition, the permittee shall evaluate the results obtained from sampling and monitoring following the required annual sampling events to determine whether the facility is below, meets, or exceeds the monitoring benchmarks as shown in the table above. If the results of annual stormwater runoff monitoring demonstrate that the facility has exceeded the benchmark(s), the permittee must inform the division's local Environmental Field Office in writing within 30 days from the time stormwater monitoring results were received, describing the likely cause of the exceedance(s). Furthermore, within 60 days from the time stormwater monitoring results were received, the facility must review its stormwater pollution prevention plan, make any modifications or additions to the plan which would assist in reducing effluent concentrations to less than the monitoring benchmarks for that facility, and submit to the division's local Environmental Field Office a brief summary of the proposed SWPPP modifications (including a timetable for implementation). The modification or additions to the SWPPP should be implemented as soon as practicable.

In the event of a repeated benchmark exceedance, the permittee can, in consultation with the division, make a determination that no further pollutant reduction is technologically available, economically practicable and achievable in light of best industry practices. The permittee must document the rationale for concluding that no further pollutant reductions are achievable, and retain all records related to this documentation with the SWPPP.

5.1.3 Sampling Waiver

5.1.3.1 Adverse Conditions - When a discharger is unable to collect samples within a specified sampling period due to adverse climatic conditions, the discharger shall collect a substitute sample from a separate qualifying event in the next period and submit the data along with data for the routine sample in that period. Adverse weather conditions that may prohibit the collection of samples include weather conditions that create dangerous conditions for personnel (such as local flooding, high winds, hurricane, tornadoes, electrical storms, etc.) or otherwise make the collection of a sample impracticable (drought, extended frozen conditions, etc.).

5.1.3.2 Low Concentration Waiver - When the average concentration for a pollutant calculated from monitoring data collected from first 4 calendar years of monitoring is less than the

Tennessee Storm Water Multi-Sector
General Permit for Industrial Activities (TMSP)
Sector F

corresponding reporting value for that pollutant (Monitoring Benchmark), a facility may waive monitoring and reporting requirements in the last annual monitoring period. The facility must submit to the Division of Water Resources, in lieu of the monitoring data, a certification that there has not been a significant change in industrial activity or the pollution prevention measures in area of the facility that drains to the outfall for which sampling was waived.

- 5.1.3.3 When a discharger is unable to conduct annual chemical stormwater sampling at an inactive and unstaffed site, the operator of the facility may exercise a waiver of the monitoring requirements as long as the facility remains inactive and unstaffed. The facility must submit to the Division of Water Resources, in lieu of monitoring data, a certification statement on the TMSP Stormwater Monitoring Report stating that the site is inactive and unstaffed so that collecting a sample during a qualifying event is not possible.
- 5.1.3.4 **Representative Discharge.** When a facility has two or more outfalls that, based on a consideration of industrial activity, significant materials, and management practices and activities within the area drained by the outfall, the permittee reasonably believes discharge substantially identical effluents, the permittee may test the effluent of one of such outfalls and report that the quantitative data also applies to the substantially identical outfall(s) provided that the permittee includes in the stormwater pollution prevention plan a description of the location of the outfalls and explains in detail why the outfalls are expected to discharge substantially identical effluents. In addition, for each outfall that the permittee believes is representative, an estimate of the size of the drainage area (in square feet) and an estimate of the runoff coefficient of the drainage area [e.g., low (under 40 percent), medium (40 to 65 percent), or high (above 65 percent)] shall be provided in the plan. The permittee shall include the description of the location of the outfalls, explanation of why outfalls are expected to discharge substantially identical effluents, and estimate of the size of the drainage area and runoff coefficient with the TMSP Stormwater Monitoring Report.
- 5.1.3.5 **Alternative Certification.** A discharger is not subject to the monitoring requirements of this section provided the discharger makes a certification for a given outfall or on a pollutant-by-pollutant basis in lieu of monitoring reports required under paragraph (b) below, under penalty of law, signed in accordance with subpart 7.7 (Signatory Requirements), that material handling equipment or activities, raw materials, intermediate products, final products, waste materials, by-products, industrial machinery or operations, or significant materials from past industrial activity that are located in areas of the facility within the drainage area of the outfall are not presently exposed to stormwater and are not expected to be exposed to stormwater for the certification period. Such certification must be retained in the stormwater pollution prevention plan, and submitted to the Division of Water Resources in accordance with subpart 6.2 of this permit. In the case of certifying that a pollutant is not present, the permittee must submit the certification along with the monitoring reports required under paragraph (b) below. If the permittee cannot certify for an entire period, they must submit the date exposure was eliminated and any monitoring required up until that date. The certification option is not applicable to compliance monitoring requirements associated with effluent limitations.

5.2 Reporting

Tennessee Storm Water Multi-Sector
General Permit for Industrial Activities (TMSP)
Sector F

Permittees with analytical monitoring requirements shall submit monitoring results for each outfall associated with industrial activity [or a certification in accordance with Sections (3), (4), or (5) above] obtained during the annual reporting period on TMSP Stormwater Monitoring Report Form(s). **The form(s) shall be submitted 30 days after the sampling results are obtained, but no later than the March 31st of the following calendar year, whichever comes first.** For each outfall, one signed TMSP Stormwater Monitoring Report form must be submitted to the Division of Water Resources. Signed copies of TMSP Stormwater Monitoring Reports, or said certifications, shall be submitted to the division at the appropriate EFO for the county where the facility is located. A list of EFOs and their addresses are available in subpart 3.3 above.

- 5.3 Quarterly Visual Examination of Stormwater Quality. Facilities shall perform and document a visual examination of a stormwater discharge associated with industrial activity from each outfall, except discharges exempted below. The examination must be made at least once in each designated period [described in (1) below] during daylight hours unless there is insufficient rainfall or snow melt to produce a runoff event.
- 5.3.1 Examinations shall be conducted in each of the following periods for the purposes of visually inspecting stormwater quality associated with stormwater runoff or snow melt: January through March; April through June; July through September; and October through December.
- 5.3.2 Examinations shall be made of samples collected within the first 30 minutes (or as soon thereafter as practical, but not to exceed 1 hour) of when the runoff or snow melt begins discharging. The examinations shall document observations of color, odor, clarity, floating solids, settled solids, suspended solids, foam, oil sheen, and other obvious indicators of stormwater pollution. The examination must be conducted in a well-lit area. No analytical tests are required to be performed on the samples. All such samples shall be collected from the discharge resulting from a storm event that is greater than 0.1 inches in magnitude and that occurs at least 72 hours from the previously measurable (greater than 0.1 inch rainfall) storm event. Where practicable, the same individual should carry out the collection and examination of discharges for entire permit term.
- 5.3.3 Visual examination reports must be maintained onsite in the pollution prevention plan or with other compliance records or with other compliance records. The report shall include the examination date and time, examination personnel, the nature of the discharge (i.e., runoff or snow melt), visual quality of the stormwater discharge (including observations of color, odor, clarity, floating solids, settled solids, suspended solids, foam, oil sheen, and other obvious indicators of stormwater pollution), and probable sources of any observed stormwater contamination.
- 5.3.4 When a facility has two or more outfalls that, based on a consideration of industrial activity, significant materials, and management practices and activities within the area drained by the outfall, the permittee reasonably believes discharge substantially identical effluents, the permittee may collect a sample of effluent of one of such outfalls and report that the examination data also applies to the substantially identical outfall(s) provided that the permittee includes in the stormwater pollution prevention plan, a description of the location of the outfalls and explains in detail why the outfalls are expected to discharge substantially identical effluents. In addition, for each outfall that the permittee believes is representative,

Tennessee Storm Water Multi-Sector
General Permit for Industrial Activities (TMSP)
Sector F

- an estimate of the size of the drainage area (in square feet) and an estimate of the runoff coefficient of the drainage area [e.g., low (under 40 percent), medium (40 to 65 percent), or high (above 65 percent)] shall be provided in the plan.
- 5.3.5 When a discharger is unable to collect samples over the course of the visual examination period as a result of adverse climatic conditions, the discharger must document the reason for not performing the visual examination and retain this documentation onsite with the records of the visual examination. Adverse weather conditions that may prohibit the collection of samples include weather conditions that create dangerous conditions for personnel (such as local flooding, high winds, hurricane, tornadoes, electrical storms, etc.) or otherwise make the collection of a sample impracticable (e.g., drought, extended frozen conditions, etc.).
- 5.3.6 When a discharger is unable to conduct visual stormwater examinations at an inactive and unstaffed site, the operator of the facility may exercise a waiver of the monitoring requirement as long as the facility remains inactive and unstaffed. The facility must maintain a certification with the pollution prevention plan stating that the site is inactive and unstaffed so that performing visual examinations during a qualifying event is not feasible.