

CITY OF ARLINGTON INDUSTRIAL STORMWATER TECHNICAL GUIDE

Table of Contents

TO OSE THIS TECHNICAE GOI	IDE	•••••
•		
· ·		
·	iced several workbooks, templates, and guides to help industrial facilities meet the	
requirements of their Muti-Se	ctor General Permit. Direct links are provided in this section to facilitate immedia	te
access and to streamline the o	corrective actions process	
Guides and Webpages		
DOUCTION		
Definitions		
Checklist		
Guides and Videos		
Log into ePermits		
Create a STEERS Account		
Delegated Authority Applicati	ion:	
Accessing STEER Submissions:		
TEXAS COMMISSION ON	Help>> Contact Us>> Logout>>	
ENVIRONMENTAL QUALITY	My Account Submissions Activity STEERS Home	
Search Submit Log	14:25	
	e will display the reports and IDs for that particular program area. Stormwater General Permits Update	
Report Type:	Stormwater INEC Stormwater INEC Renewal Stormwater INEC Termination Stormwater INOI	
ID:	(Permit, registration, etc.)	
Confirmation Number:		
Reference/Tracking Number: Submitted by Account:	Ache Indent of eramits reference	
-	(EN account)	
Narrow your search by entering a date range. Start Date:	This is the date the data was submitted to TCEQ.	
End Date:	(mm/ad/yyyy)	
	Search Cancel	
Activities in ePermits:		
Common ePermits questions		
Guides and Videos		
Compliance History Ranking		
. , ,		

Authorized Signatory	
Delegated Signatory	19
Reports	19
Notice of Violation	20
Templates/ Forms	20
Pollution Prevention Team Rooster	21
Reporting	21
Notice of Violation	21
Templates/ Forms	21
Training	22
Education	22
Notice of Violation	22
Templates/ Forms	22
Investigation/Evaluation	23
Certification	23
Notice of Violation	23
Templates/ Forms	24
Inventory of Exposed Materials	25
Notice of Violation	25
Templates/ Forms	25
Guides and Videos	25
General Map	26
Drainage Map	26
Notice of Violation	26
Templates/ Forms	26
Reporting	27
Notice of Violation	27
Contact Information	27
Guides and Videos	27
List	28
Notice of Violation	28
Reporting a Spill to TCEQ	29
Reporting a Spill to TWPD	29
Oil Spill and Hazardous Substance Response Agencies	29
Spill Reporting	30
Notice of Violation	30
Contact Information	30
Guides and Videos	30
Inspections	31
Notice of Violation	31
Inspections	32
Notice of Violation	32

Inspections	33
Reporting	33
Notice of Violation	33
Guides and Webpages:	33
Inspections	34
Notice of Violation	34
Water Quality Monitoring Requirements	35
New Discharges to Water Quality Impaired Water Bodies	35
Existing Discharges to Impaired Water Bodies with an approved TMDL.	36
Existing Discharge to Water Quality Impaired Water Bodies without an	approved TMDL36
Bacteria	37
Water Quality Monitoring	37
IF EXEMPTED FROM SAMPLING, FACILITY MUST PROVIDE A WATER QUALITY STATE	EMENT DETAILING WAIVER OR I-PLAN POLICY THAT
ALLOWS FOR AN EXEMPTION FROM WATER QUALITY SAMPLING	37
FACILITY MUST REVIEW THE TMDL AND 303D CATEGORIES 4 AND 5 LIST ANNUAL	LLY AND UPDATE SWPPP AS NEEDED37
FACILITY MUST REVIEW ACTIVE I-PLANS ANNUALLY AND UPDATE SWPPP AS NEED	ED37
Impaired Waterbody/ TMDLs	37
Notice of Violation	37
Water Quality Statement detailing waiver or I-Plan policy that allows	FOR AN EXEMPTION FROM WATER QUALITY SAMPLING IS
NOT INCLUDED IN THE SWPPP.	37
SAMPLING, MONITORING, AND/OR ANALYSES ARE NOT CONDUCTED ACCORDING	TO PERMIT PROCEDURES
RECORDS OF MONITORING DO NOT INCLUDE DATE, TIME, AND PLACE OF SAMPLE	OR MEASUREMENT, THE INDIVIDUAL WHO COLLECTED THE
SAMPLE, MADE THE MEASUREMENT, OR PERFORMED THE ANALYSIS, DATE AND TIME THE	ANALYSIS WAS CONDUCTED, THE IDENTITY OF THE
INDIVIDUAL OR LAB WHO PERFORMED THE ANALYSIS, THE TECHNIQUE OR METHOD OF AN	
ANALYSIS, QUALITY ASSURANCE/QUALITY CONTROL.	37
Guides and Webpages	38
MONITOR RAINFALL USING AN ON-SITE RAIN GAUGE, A REPRESENTATIVE WEATHER STATIO	ON, OR AN ALTERNATIVE MEANS OF COMPLIANCE.24 USE
RAINFALL DATA TO DETERMINE WHEN A QUALIFYING STORM EVENT OCCURS	38
Monitoring	38
Notice of Violation	38
Sampling Requirements	
Heavy Metal Sampling	40
Heavy Metal Reporting	
Heavy Metal Waiver	41
Benchmark Sampling	41
Benchmark Sampling Reporting	41
Benchmark Sampling Waiver	41
Benchmark Monitoring Exceedence	
Benchmark Sampling Reporting	
Benchmark Sampling Waiver	
Federal Effluent Limitations Sampling	
Federal Effluent Limitations Reporting	

Federal Effluent Limitations Waiver	45
Notice of Violation	45

How to Use this Technical Guide

The **COA Industrial Stormwater Technical Guide** is a general guide of permit requirements for industrial facilities under the Multi-Sector General Permit. It does not replace any associated laws and regulations, which take priority over any information supplied here.

The **goal of the technical guide** is to provide quick and easy refence materials for Industrial Facilities located within the City of Arlington. The guide provides links to resources such as templates, reference guides, specific permit languages, applicable regulations and TCEQ forms.

Facilities and facility managers should be able to utilize the provided guides and reference materials to answer most questions related to the TPDES Multi-Sector General Permit and its associated questions.

If a facility has a permit related question that can not be answered after reviewing the COA Industrial Stormwater Technical Guide and other resources, please reach out to the TCEQ Small Business and Local Government Assistance Department or Find the nearest Compliance Assistance Specialist

Navigating Topic Sections

Permit/Regulations

Since the COA Industrial Stormwater Technical Guides was designed as a quick refence for facilities, the permit specific language was not included for each topic. Instead, a link and page numbers have been provided for those who would like to read, in full, the permit requirements and associated regulations which the facility must abide by.

Links to the Permit:

Links to the TPDES 2021 Multi-Sector General Permit start with TXR050000 followed by the section name and page number where you can find the pertinent information.

• TXR050000 Part II Section C.8 – Signatory Requirements - 98 pg.

Links to Regulations

Links to regulations that are associated to the topic start with the Texas or Federal code number followed by the regulation name.

• 30 TAC §305.128 - Signatories for Reports

Requirements

Under Requirements you will find the action items that must be performed by the facility to stay in compliance with their TPDES MSGP permit. Depending on the topic there may be different types of action items such as documentation, reports or inspections mandated for each topic. Action items are highlighted in orange for quick reference.

Requirements are divided by the type of action item, like the example below:

General Map

- Facilities must create and update the Inventory of Exposed Materials
- Facilities must update the Inventory of Exposed Materials when a significant change occurs on site.
- Facility must include EPCRA materials on the Inventory of Exposed Materials list and indicate materials that are extreme hazards.

Drainage Map

 Drainage map must identify, label and or list all pertinent elements of the facility property, particularly the required elements listed in the MSGP permit requirements.

Violations

In this section, the type of violations that may occur on a facility site are outlined for review. Please note, this is not an extensive review of all violations that may occur under each topic, but the most common violations seen in the field. Note, Industrial Inspection Reports are part of the public record and can be requested as part of an Open Records Report.

Failure – Facility's that earn a failed site inspection have at least one violation as listed under the NOV section. Failure is considered a verbal warning and inspection reports can be updated to reflect the completion of corrective actions that would bring the site back into compliance.

Notice of Violation – NOVs detail the various areas of noncompliance found at the facility during a site inspection. NOVs are a secondary form of enforcement, as the facility is generally given a failure on their inspection to allow the site to make corrective actions. If corrective actions are not completed in the appropriate timeframe **OR** the site is found to have a significant number of deficiencies an NOV can be issued.

Citation – Citations are issued when a facility has been given multiple NOVs and opportunities to make corrections in an appropriate timeframe, but the facility has not met the required corrective actions. A citation may also be given if a facility is found to be illegally discharging into the MS4 or operating without a permit, if required to do so. Citations, unlike Failures or NOVs, will be sent to <u>Municipal Court</u> were a fee or fine can be assessed if the responsible party is found guilty of violating the City of Arlington Ordinance.

Other governmental agencies may have additional items that would qualify as a violation of the TPDES Multi-Sector General Permit or other environmental regulation.

TCEQ – List of Environmental Crimes and Punishments

TCEQ - Conditional No-Exposure Checklist

TCEQ – Stormwater MSGP Checklist

EPA - Criminal Investigations - Violation Types and Examples

EPA - Industrial Facility Inspection Manual

EPA – Industrial Facility BMP Inspection Manual

Resources

TCEQ and the EPA have produced several workbooks, templates, and guides to help industrial facilities meet the requirements of their Muti-Sector General Permit. Direct links are provided in this section to facilitate immediate access and to streamline the corrective actions process.

Types of Resources:

- Templates
- Forms
- Guides
- Webpages
- Videos

Templates/Forms

• TCEQ- Industrial Stormwater MSGP SWPPP Worksheets RG-556 May 2022 (Pg. 99)

Guides and Webpages

- EPA-approved CWA Section 303(d) List
- Texas Integrated Report of Surface Water Quality for CWA Sections 305(b) and 303(d)
- EPA-approved TMDL

Introduction

The COA Technical Guide is a general guide to requirements about industrial facilities under the MSGP. It does not replace the laws and regulations, which take priority over any information supplied here.

What is the Multi-Sector General Permit (MSGP)?

TCEQ's Texas Pollutant Discharge Elimination System (TPDES) program regulates stormwater runoff from manufacturing, processing, material storage, and waste material disposal areas of industrial activities. The MSGP covers industrial facilities in 29 different industrial sectors.

The permittee has a **duty to comply with all permit conditions**. Failure to comply with any permit condition is a violation of the permit and statutes under which it was issued and is grounds for enforcement action, for permit amendment, revocation, or suspension, or for denial of a permit renewal application or an application for a permit for another facility.

Per the 2021 MSGP - Permittee(s) must be knowledgeable of the requirements of the 2021 MSGP, familiar with the industrial facility, knowledgeable of the stormwater pollution prevention plan (SWPPP) at the industrial facility, able to assess conditions and activities that could impact stormwater quality at the facility, and able to evaluate the effectiveness of control measures.

Qualified Personnel. A person or persons who are knowledgeable of the requirements of this general permit, familiar with the industrial facility, knowledgeable of the stormwater pollution prevention plan (SWPPP) at the industrial facility, able to assess conditions and activities that could impact stormwater quality at the facility, and able to evaluate the effectiveness of control measures. (TXR050000 Part I)

Not knowing or lack of knowledge is not a valid reason for not completing the listed requirements within the permit.

The COA Technical Manual also included City of Arlington specific requirements for Industrial facilities. Local governments and other state and federal agencies may have more rules and requirements. As the owner or operator of the industrial facility, you must ensure compliance with all applicable laws and regulations.

Permits and Regulations

- City of Arlington Industrial Stormwater Ordinances
- Clean Water Act 40 CR 122.6 (b)(14) Stormwater Discharges
- TCEQ 2021 Multi-Sector General Permit (MSGP)

Am I Regulated?

SIC Codes Subject to TPDES Multi-Sector General Permit

SIC Codes Subject to TPDES Multi-Sector General Permit

SIC Search

SIC Manual

Sectors of industry that may obtain coverage under the general permit for industrial stormwater runoff, covering runoff from areas for manufacturing, processing, material storage, and waste-material disposal.

Stormwater discharge associated with industrial activity is defined as stormwater runoff that exits any system that is used for collecting and conveying stormwater that originates from manufacturing, processing, material-storage, and waste-material-disposal areas (and similar areas where stormwater can contact industrial pollutants related to the industrial activity) at an industrial facility that falls under one or more of the following sectors of industry:

- A. Timber Products
- B. Paper and Allied Products
- C. Chemical and Allied Products
- D. Asphalt Paving and Roofing Materials and Lubricants
- E. Glass, Clay, Cement, Concrete, and Gypsum Products
- F. Primary Metals
- G. Metal Mining (Ore Mining and Dressing)
- H. Coal Mines and Coal Mining Related Facilities
- I. Oil and Gas Extraction
- J. Mineral Mining and Processing
- K. Hazardous Waste Treatment Storage, and Disposal
- L. Landfills and Land Application
- M. Automobile Salvage Yards
- N. Scrap and Waste Recycling
- O. Steam Electric-Generating Facilities
- P. Land Transportation and Warehousing
- Q. Water Transportation
- R. Ship and Boat Building or Repairing Yards
- S. Air Transportation
- T. Treatment Works
- U. Food and Kindred Products
- V. Textile Mills, Apparel, and Other Fabric Product Manufacturing; Leather and Leather Products
- W. Wood and Metal Furniture and Fixtures
- X. Printing and Publishing
- Y. Rubber, Miscellaneous Plastic Products, and Miscellaneous Manufacturing Industries
- Z. Leather Tanning and Finishing
- AA. Fabricated Metal Products

Does my facility qualify for a Conditional No Exposure Exclusion?

- TXR050000 Part II Section C.1 Conditional No Exposure Exclusion from Permit Requirements- 91 pg.
- TCEQ Conditional No Exposure Exclusion from Multi-Sector General Permit Requirements RG-467
 Revised Nov 2022 TCEQ Guide

The no exposure exclusion is a conditional authorization under the MSGP that excludes qualifying facilities from the permit's requirements. These facilities pose little risk to contaminating stormwater because **industrial materials and activities** are not exposed to precipitation.

To qualify for this exclusion, store industrial materials and equipment and conduct industrial activities at your facility under a **storm-resistant shelter**.

Nonpermanent covers, such as tarps, cannot be used as a long-term solution to meet the no exposure requirement.

Definitions

- **No Exposure.** A condition at an industrial facility where all industrial materials and activities are protected by a storm-resistant shelter to prevent exposure to rain, snow, snowmelt, 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.
- **Storm-Resistant Shelter.** A building or structure that is completely roofed and walled, or a structure with only a top cover but no side coverings, provided that any material or industrial activity located under or within the structure is not exposed to any run-on and subsequent runoff of stormwater, or mobilization by wind.

Requirements

Checklist

Mark "Yes" or "No" for each of the following items at your facility.

Are any of the following exposed to stormwater?	Yes	No
Industrial materials or activities, <i>including</i> : • using, storing, or cleaning industrial machinery or equipment • areas where residuals may exist from the activities mentioned above		
Materials or residuals from spills or leaks on the ground or in stormwater inlets		
Materials or products from past industrial activities		
Material-handling equipment, excluding adequately maintained vehicles		
Materials or products loading, unloading, or transporting activities, excluding materials that are: • protected from contact with precipitation • moved between buildings on site by adequately maintained vehicles		
Materials or products stored outside, <i>excluding</i> final products intended for outdoor use where stormwater exposure does not cause a pollutant discharge		
Materials contained in open, deteriorated, or leaking storage drums, barrels, tanks, or similar containers		
Materials or products handled or stored on a road or railway owned and maintained at and by the facility		
Waste material, excluding waste in covered, non-leaking containers		
Application or disposal of process wastewater not already covered by a current wastewater permit		
Particulate matter or visible deposits of residuals from roof stacks or vents that are evident in stormwater discharges or not regulated under an air quality permit		

If you answered "NO" to all questions, your site is eligible for the NEC.

- Facility must apply for an Industrial No Exposure Certification (INEC)
 - See STEERS How to set-up a STEERS account.
- Maintain on-site and have ready for COA and other regulators:
 - NEC certificate
 - Detailed Site Map
 - Inventory of Chemicals
 - Spill and Leaks Log

If you answered "YES" to any of the checklist questions, your site is not eligible for the NEC.

- Facility must apply for an Industrial Notice of Intent (INOI)
 - See STEERS How to set-up a STEERS account.
 - See Steers How to submit a Notice of Intent
- Develop a SWPPP
 - See Multi-Sector General Permit Part III Section A
- Follow all requirements for Standard Permit and Sector-Specific requirements.
 - See Multi-Sector General Permit

Violations

NEC

Notice of Violation

- All drums, barrels and similar containers **ARE NOT** tightly sealed in good structural condition without operational values.
- Storage tanks **ARE NOT** in good structural condition without leaking valves.
- Final products that would be transported by storm water runoff **ARE NOT** isolated from storm water and storm water runoff.
- Vehicles that are used in material handling ARE NOT adequately maintained and/or leaking.
- Facility no longer qualifies as an NEC and facility HAS NOT obtained permit coverage to
 discharge storm water before implementing changes that resulted in exposure of industrial
 activities to storm water runoff.

Citations

• Failure to obtain a Multi Sector General permit (Stormwater)

NOI

Notice of Violation

- Facility **DOES NOT** have a SWPPP.
- The SWPPP IS NOT maintained on-site and available for inspection.

Citations

• Failure to obtain a Multi Sector General permit (Stormwater)

Resources

Guides and Videos

TCEQ - Conditional No Exposure Exclusion from Multi-Sector General Permit Requirements RG-467 Revised Nov 2022

STEERS

State of Texas Environmental Electronic Reporting System, is an online portal used to apply for TCEQ permits, Delegated Signatories, Notice of Change, and Notice of Termination.

Permit/Regulations

The TCEQ requires electronic submittal of forms for the following, unless you qualify for an electronic reporting waiver:

- Multi-Sector General Permit (MSGP) for Discharges of Stormwater from Industrial Activities (TXR050000.)
 - Notice of Intent (NOI) + Fee
 - No Exposure Certification (NEC) + Fee
 - Notice of Termination (NOT)- even if the NOI or NEC was submitted by paper.

Requirements

- If you have access to the Stormwater programs on STEERS (State of Texas Environmental Electronic Reporting System), then you can start using STEERS now.
- If you use STEERS, but don't have access to the Stormwater program, then you will need to request that Stormwater access be added to your account.
- If you are not yet registered to use this service, then your first step is to <u>register with STEERS</u>.

 Once you receive your username and password, you may begin submitting forms.
- If you submit your **NOI or NEC through STEERS** your **payment** will need to be paid through the **electronic application process.**
- If you do not have access to a computer, please call the TCEQ Stormwater Processing Center at 512-239-3700, to obtain the paper application forms.
 - a. Electronic Waiver Form

If submitting your **NOI by paper**, you can also make payments through <u>ePay</u> using a credit card or bank draft.

Violations

NEC

Notice of Violation

- All drums, barrels and similar containers **ARE NOT** tightly sealed in good structural condition without operational values.
- Storage tanks **ARE NOT** in good structural condition without leaking valves.
- Final products that would be transported by storm water runoff **ARE NOT** isolated from storm water and storm water runoff.
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- Facility no longer qualifies as an NEC and facility HAS NOT obtained permit coverage to
 discharge storm water before implementing changes that resulted in exposure of industrial
 activities to storm water runoff.

Citations

• Failure to obtain a Multi Sector General permit (Stormwater)

NOI

Notice of Violation

- Facility **DOES NOT** have a SWPPP.
- The SWPPP IS NOT maintained on-site and available for inspection.

Citations

• Failure to obtain a Multi Sector General permit (Stormwater)

Resources

Log into ePermits

A STEERS Electronic Reporting (ER) account number and password is required to use ePermits.

This is obtained by the individual wanting to use ePermits by filling out and submitting a STEERS Participation Agreement (SPA) for access to a program area with applications available in ePermits. For more information on setting up an account, please see Create New STEERS Account.

- Enter your ER Account number and password.
 - Notice: Use of another person's ER account and password is illegal. TCEQ monitors use of ER accounts.
- Select ePermits program area of the permit type you are needing.
 - Stormwater General Permits (EPR SW)
 - Industrial Notice of Intent
 - Industrial No Exposure Certification
 - INOI Notice of Change
 - INEC Notice of Change
 - INOI Notice of Termination
 - INEC Notice of Termination
 - Delegation of Signatories to Report

Create a STEERS Account

- Access STEERS at https://www3.tceq.texas.gov/steers/ using your web browser.
- Click on the I need to create a new account link to enter the application.
- Read through the welcome information screen. Press Create New Account to start creating the new account or Exit Application to cancel.
- **Enter the applicant's information.** You must provide the applicant first and last name, company, title, phone number, email address, and a mailing address. Press **Next** or Exit Application to cancel.
- If errors are found in the applicant information, you will be returned to the form with error messages.
 Otherwise, a review information page will display. Verify that the information is correct. Press
 Previous to change the information, Next to continue, or Exit Application to cancel.
- Part of the account creation process is to check that the account just entered is not a duplicate of an existing or archived account. Duplicates checks are done for both the email address and last name.
 - If the email address and last name are already used by another account, you must contact STEERS for assistance. (Contact STEERs)

- If duplicates were found for the last name and an account was previously held by the
 applicant but has been archived, you will need to contact STEERS for assistance. (Contact
 STEERS)
- If duplicates were found for the last name and an account already exists for the applicant, the account holder should log into STEERS to update the account. If the email address for the account holder has changed and the account holder has forgotten the account password, you will need to contact STEERS for assistance.
- If duplicates were found for the last name and none of the accounts were held by the applicant, press Next to create the new account or Exit Application to cancel.
- The new probationary account will be created, and an account number and verification URL will be sent to the applicant's email address.
 - Note: The account holder will have no access to any of the reporting functionality until 5 security questions and program area(s) are added to the account.
- Select and answer 5 security questions for the account.
 - Note: The answers to the security questions are stored as a one-way hash, so staff cannot see or retrieve your responses.
- Add the program area(s) for which the account holder needs access. For instructions on adding program area(s), see <u>Add Program Information</u> or <u>Update Program Information</u>.
- Send the SPA to TCEQ STEERS:
 - Generate the SPA, print it, sign it and mail it to STEERS. For detailed instructions on generating the SPA, see Generate SPA.

OR

• If the account owner has a valid Class "C" Texas Driver's License (TDL), the SPA may be signed electronically. For detailed instructions, see Sign SPA Electronically.

Note: If the account owner's TDL has been renewed or changed in the past 6 weeks, the TDL record may be locked and unavailable for electronic verification. In this case, you must submit a paper SPA.

Delegated Authority Application:

- Activities Page > Fill Out
- Delegation of Signatories to Report MSGP Only
- CN Number > Confirm CN Information
- Select Facility > Confirm Selection
- Multiple Delegates can be added.
 - Add Delegated Authority's Information > Select level of authority.
 - Confirm
 - Sign Application
- Upon completing Application, the Delegation Signatory Report can be printed.

Accessing STEER Submissions: TEXAS COMMISSION ON ENVIRONMENTAL QUALITY Help >> Contact Us >> Logout >> Activity STEERS Home 14:25 50EERS Search Submissions Select a program area to search and provide one or more of the additional search criteria to narrow your results. Selecting a program and pressing Update will display the reports and IDs for that particular program area. Program Area: Stormwater General Permits Report Type: Stormwater Delegation MSGP (Press Update to refresh.) Stormwater INEC Stormwater INEC Notice of Change Stormwater INEC Renewal Stormwater INEC Termination Stormwater INOI (Permit, registration, etc.) **Confirmation Number:** Reference/Tracking Number: AEME Incident or ePermits Reference Submitted by Account: (ER account) Narrow your search by entering a date range. This is the date the data was submitted to TCEQ. Start Date: End Date: (mm/dd/yyyy) Search Cancel

Activities in ePermits:

- Create (start) an application
- Access an application by password
- Edit a pending application
- Sign a pending application
- Pay the application fee for one or more application
- Submit one or more pending application
- Set security access to a pending application
- View the history of a pending application

Common ePermits questions

- What if the CN or RN information on file with TCEQ is not correct?
- What if I get a message indicating the permit is not eligible to terminate?
- What if I get a message indicating the permit is not eligible to renew?
- What if I only want a person to have read access to my application?
- What if my application is no longer available in the Activities page?
- What if I submitted the application but did not get the approval documents?
- What if the compliance history rating indicates ineligible to submit electronically?

Guides and Videos

1

- STEERS webpage
- TCEQ A Guide to Creating an Account in STEERS E-Permitting RG- 531a Revised Jan 2018
- Youtube How to Set-up an Account in STEERS
- Youtube How to Submit a Notice of Intent in STEERS
- Youtube MSGP: Online Reporting for Discharge Monitoring

¹ www.STEERS.com

Status Tracking

Facilities can review their status and data collected on the TCEQ and EPA websites. Some information may be repetitive. Any information that is not correct should be updated immediately to ensure the facility is accurately reflected on all databases.

Compliance History Ranking

Search Compliance History – TCEQ Webpage

- If your facility has no compliance history ranking or has a ranking of "high" or "satisfactory," your facility can utilize the 2021 Multi-Sector General Permit
- If it is "unsatisfactory," then your facility is not eligible for coverage under a general permit. You must apply for an <u>individual permit</u> instead.

Water Quality General Permits Search

Water Quality General Permits Search – TCEQ Webpage

- The water quality search provides a summary of a facility's permit authorizations.
 - Permit Type
 - o Hazardous Metals Waiver
 - o Sector
 - SIC Code(s)
 - o Permittee Information
 - o Permittee Site Information
 - o Regulated Entity Site Information

TCEQ Central Registry

Search for a business, governmental body, association, individual, or other entity that owns, operates, is responsible for, or is affiliated with a regulated entity.

TCEQ Central Registry

EPA ECHO

Use EPA's Enforcement and Compliance History Online website to search for facilities in your community to assess their compliance with environmental regulations.

EPA ECHO Facility Search

Signatory

Permit/Regulations

- TXR050000 Part II Section C.4 Stormwater Pollution Prevention Plan 95 pg.
- TXR050000 Part II Section C.8 Signatory Requirements 98 pg.
- 30 TAC §305.128 Signatories for Reports
- 30 TAC §305.44 Signatories for Applications

Requirements

Authorized Signatory

- Authorized signatory must sign for NOI, NOC, NOT, NEC.
 - Facility can find Authorized Signatory information in STEERs account under Link of Copy of Record.
 - o Facility can print and sign a hard copy of the **Authorized Signatory Form**.
- Authorized signatory must sign all reports and certificates UNTIL they delegate certificate and report signatory to an authorized representative.



Delegated Signatory

- If Authorized Signatory delegates the reports and certificate signature responsibility to Qualified Personnel, an appropriately signed Delegation Signatory Form must be submitted to STEERs and a copy of signed form must be in the SWPPP.
 - o Facility can apply for a **Delegation of Signatories to Report MSGP Only**
 - o Facility can find the Delegation of Signatories to Report in **STEERs under submittals.**
 - Facility can find their (CN) Customer Reference Number on their NOI/ NEC certificate or by searching the TCEQ Central Registry
- If Signatory Authority is delegated by an authorized representative, then a copy of the formal notification to TCEQ, Delegated Signatory Form, must be filed in the SWPPP.

Reports

Signatory Requirements for Reports and Certifications. All reports and certifications required in this
permit or otherwise requested by the executive director must be signed by the person and in the
manner required by 30 TAC §305.128 - Signatories to Reports.

Violations

Notice of Violation

- The SWPPP IS NOT properly certified according to TAC 305.128.
- Copy of the Delegated Signatory Form is **NOT** included in the SWPPP.
- There is **NOT** a properly signed **Certification of Evaluation of Stormwater System.**
- All inspections, reports and certifications required in this permit **ARE NOT** signed in accordance with **30 TAC §305.128** Signatories to Reports.

Citations

NOV deficiencies are not corrected.

Resources

Templates/ Forms

- TCEQ Delegation of Signatories for the Multi-Sector General Permit Rg-557 Aug 2001
- TCEQ Delegation of Signatories to Reports Form
- TCEQ Authorized Signatory Form
- TCEQ Certification Signature Page (Pg. 8)

Pollution Prevention Team

This team will develop, implement, maintain, and revise your facility's stormwater pollution prevention plan. Select one or more employees to serve as members of your team. **All members must be familiar with MSGP requirements, your facility, and your SWP3**. Each team member should know their responsibilities, and some may have more than one.

Permit/Regulations

• TXR050000 Part III Section A.2 – Stormwater Pollution Prevention Team - 102 pg.

Requirements

Pollution Prevention Team Rooster

 Keep a current Pollution Prevention Team Rooster with names, titles, contact information, and member responsibilities.

Reporting

- At least one member of the stormwater pollution prevention team must perform and sign off on the routine/monthly inspection reports.
- Stormwater pollution prevention team must review monitoring reports and make appropriate SWPPP modifications.

Violations

Notice of Violation

• The current Pollution Prevention Team **IS NOT** identified and/or their responsibilities as members of the pollution prevention team **ARE NOT** described.

Citations

NOV deficiencies are not corrected.

Resources

Templates/ Forms

- TCEQ- SWPPP Team Information Log Sheet (Pg. 24)
- TCEQ- SWPPP Team Training Log Sheet (Pg. 28)

Employee Training

A section within the SWPPP must be developed to establish a training program. **Training must be provided to all employees who are responsible for implementing or maintaining activities identified in the SWPPP.**

Education must be provided to those employees at the facility who are not directly responsible for implementing or maintaining activities identified in the SWPPP, and who do not participate in the employee training program. At a minimum, these **employees must be informed of the basic goal of the SWPPP** and **how to contact the stormwater pollution prevention team** regarding stormwater issues.

Permit/Regulations

• TXR050000 Part III Section A.4.g – Employee Training Program and Employee Education - 107 pg.

Requirements

Training

- Annual training to the stormwater pollution prevention team covered all required topics.
- Training log documenting topics covered, and attendance is included in the SWPPP.

Education

- Annual education for employees not directly responsible for the stormwater program covers the basic goals of the SWPPP.
- Training log documenting topics covered, and attendance is included in the SWPPP.

Violations

Notice of Violation

- Employee training WAS NOT provided for all employees responsible for implementing or maintaining the activities in the SWPPP conducted at least annually and records of training activities maintained in the SWPPP.
- Employee training **DOES NOT** include proper material management, spill prevention methods, location of clean-up materials, spill clean-up techniques, proper spill reporting, good housekeeping, BMPs, and goals of the SWPPP.
- Education WAS NOT provided to employees not directly responsible for implementing or maintaining the SWPPP.

Citations

NOV deficiencies are not corrected.

Resources

Templates/ Forms

• TCEQ- Employee Education Log Sheet (Pg. 32)

Non- Stormwater Discharge

The permittee shall identify and evaluate all <u>non-stormwater discharges that qualify for permit coverage</u>. The SWPPP must include a list of the non-stormwater discharges at the facility, as well as the results of this evaluation

Permit/Regulations

- TXR050000 Part II Section A.6 Non-Stormwater Discharges 83 pg.
- TXR050000 Part III Section B.1 Inspection and Certification of Non-Stormwater Discharges- 109 pg.

Requirements

Investigation/Evaluation

- Facility must conduct a non-stormwater discharge evaluation within the first 180 days of the permit.
- Facility must have a **copy of the non-stormwater discharge evaluation** documentation in the SWPPP.
- Evaluation must **include all the criteria** required per the TPDES MSGP, **including** documentation of how the inspection was conducted, results of any testing, dates of evaluation or tests, and/or the points in the storm sewer system that were observed during the investigation.

Certification

- Certificate is signed by a signatory authority.
- Complete, sign and keep a copy of the certificate on non-stormwater discharges in SWPPP.
- If the facility **fails the non-stormwater discharge evaluation**, Notice of Failure must be provided to TCEQ within 180 days.
- If the facility **cannot certify** a portion of their system a Notice of Inability to Certify must be provided to TCEQ within 180 days.

Violations

Notice of Violation

- All non-storm water discharges that are allowed by the permit HAVE NOT BEEN identified in the SWPPP.
- A survey of potential non-storm water discharges (dry weather flows) WAS NOT performed.
- There **IS NOT** a properly signed Certification of Evaluation of Storm Water System for non-storm water discharges.
- The Certification of Evaluation of Storm Water System **DOES NOT** include documentation of how the inspection was conducted, results of any testing, dates of evaluation or tests, and/or the points in the storm sewer system that were observed during the investigation.
- There was NOT a complete evaluation of the storm sewer system, and a Notice of Deficiency was NOT sent to the TCEQ within 180 days of NOI submission.

Citations

NOV deficiencies are not corrected.

Resources

Templates/ Forms

- TCEQ- Non- Stormwater Discharge Evaluation Summary (Pg. 62)
- TCEQ- Non- Stormwater Discharges Certification (Pg. 64)

Inventory of Exposed Material/ Potential Pollutants

The permittee shall identify and evaluate all <u>non-stormwater discharges that qualify for permit coverage</u>. The SWPPP must include a list of the non-stormwater discharges at the facility, as well as the results of this evaluation

Permit/Regulations

• TXR050000 Part III Section A.3.a - Inventory of Exposed Material- 102 pg.

Requirements

Inventory of Exposed Materials

- Facilities must create and update the Inventory of Exposed Materials
- Facilities must update the Inventory of Exposed Materials when a significant change occurs on site.
- Facility must include EPCRA materials on the Inventory of Exposed Materials list and indicate materials that are extreme hazards.

Violations

Notice of Violation

- There **IS NOT** a current listing of all materials (including specific pollutants) handled, treated, stored, or disposed of in a manner that is currently exposed to stormwater.
- The Inventory of Exposed Materials **HAS NOT BEEN** updated within 30 days following a significant change in exposed materials.
- There **IS NOT** a narrative description of all activities that could potentially be expected to contribute pollutants to stormwater, including areas specified in the permit.
- The narrative **HAS NOT BEEN** updated within 30 days following a significant change in exposed materials.
- For each pollutant/material in the "Inventory of Exposed Materials," there IS NOT the direction of flow or potential direction of flow to the outfall described OR indicated on the site map?

Citations

• NOV deficiencies are not corrected.

Resources

Templates/ Forms

TCEQ- Exposed Material Inventory Sheet (Pg. 42)

Guides and Videos

- Extremely Hazardous Substances (EHS) list
- EPA TRI -Listed Chemicals
- 112c List Regulation 40 CFR 68.130
- TCEQ Comparison of Tier II, TRI, and 112r Requirements
- EPA Toxic Chemical Release Inventory Reporting Forms and Instructions 2021

Site Maps

Facilities are required to have two update site maps always included in the facility SWPPP. The general Map should identify the location of facility and the facility's receiving waters. The Drainage Map should detail all the structures, potential pollutant locations and other site-specific elements located on the facility property.

Permit/Regulations

- TXR050000 Part III Section A.3.c General Location Map 103 pg.
- TXR050000 Part III Section A.3.d Drainage Area Site Map 104 pg.

Requirements

General Map

- Facilities must create and update the Inventory of Exposed Materials
- Facilities must update the Inventory of Exposed Materials when a significant change occurs on site.
- Facility must include EPCRA materials on the Inventory of Exposed Materials list and indicate materials that are extreme hazards.

Drainage Map

• **Drainage map** must identify, label and or list all pertinent elements of the facility property, particularly the required elements listed in the **MSGP permit requirements**.

Violations

Notice of Violation

- The facility HAS NOT prepared a site map including outfalls, drainage areas and patterns, connections, or discharges to MS4, all structures, structural controls, process wastewater treatment units, air treatment units exposed precipitation, landfills, scrapyards, surface water, vehicle/equipment maintenance areas, physical features that influence storm water runoff, locations of reportable quantity spills or leaks, and processing, storage, and loading/unloading areas.
- For each pollutant/material in the "Inventory of Exposed Materials," there **IS NOT** the direction of flow or potential direction of flow to the outfall described OR indicated on the site map?

Citations

NOV deficiencies are not corrected.

Resources

Templates/ Forms

• TCEQ - Drainage Site Map Example and Instructions (Pg. 18)

Spills and Leaks

Facilities are required to have two update site maps always included in the facility SWPPP. The general Map should identify the location of facility and the facility's receiving waters. The Drainage Map should detail all the structures, potential pollutant locations and other site-specific elements located on the facility property.

Permit/Regulations

- TXR050000 Part III Section A.3.e Spills and Leaks 104 pg.
- <u>Texas Water Code 26 Section 039</u> Accidental spills and releases must be reported to TCEQ
- 30 TAC 327- SPILL PREVENTION AND CONTROL
- 40 CFR 302.4 LIST OF HAZARDOUS SUBSTANCES AND REPORTABLE QUANTITIES

Requirements

Reporting

- Facility must keep a **log of reportable quantity spills and leaks** for the last years of the previous permit timeframe (2018-2020).
- Facility must keep a log of ALL spills for the current permit term (2021-2026) including non-reportable quantities.
- Spill and Leak list must include all required reporting information and be updates quarterly.

Violations

Notice of Violation

- The SWPPP **DOES NOT** contain a list of spills and leaks that occurred in areas exposed to precipitation up to three years prior to obtaining the NOI.
- The Spills and Leaks list IS NOT updated quarterly.

Citations

NOV deficiencies are not corrected.

Resources

Contact Information

- TCEQ 1-800-832-8224
- TPWD (512) 389-4848 le.communications@tpwd.texas.gov
- City of Arlington (817) 459- 6550 environmental@arlingtontx.gov

Templates/ Forms

• TCEQ - Spills and Leaks Log Sheet (Pg. 78)

Guides and Videos

- TCEQ Spills Reportable Quantities
- EPA List of Hazardous Substances and Reportable Quantities
- TPWD Kills and Spills Team

Spills Prevention and Response

A section within the SWPPP must be developed and implemented to prevent spills and to provide for adequate spill response.

Permit/Regulations

TXR050000 Part III Section A.4.f - Spill Prevention and Response Measures – 107 pg.

Requirements

List

• List the types and locations of the prevention and response measures used at your facility.

Violations

Notice of Violation

- Potential spill areas **HAVE NOT BEEN** identified.
- Procedures HAVE NOT BEEN developed and implemented to minimize or prevent storm water contamination from spills (ex: training operators to inspect equipment daily for leaks, secondary containment, overfill prevention devices on pumps, proper material handling techniques, and routine inspection of liquid storage containers).
- Drums, tanks, and other containers **ARE NOT** clearly labeled.
- Hazardous waste containers that require special handling, storage, use, and disposal ARE NOT clearly marked.
- The facility **HAS NOT** developed specific spill prevention and clean-up techniques.
- Equipment IS NOT available for spills with maintained inventory.

Citations

NOV deficiencies are not corrected.

Resources

Templates/Forms

• TCEQ - Spill Prevention and Response List Sheet (Pg. 68) 66)

Report a Spill

Permit/Regulations

- TXR050000 Part III Section A.3.e Spills and Leaks
- Texas Water Code 26 Section 039 Accidental spills and releases must be reported to TCEQ
- 30 TAC 327- SPILL PREVENTION AND CONTROL
- 40 CFR 302.4 LIST OF HAZARDOUS SUBSTANCES AND REPORTABLE QUANTITIES

Reporting

Reporting a Spill to TCEQ

- TCEQ Hotline
 - A responsible party must report a spill of a reportable quantity (RQ) as soon as possible but not later than 24 hours after the discovery of the spill or discharge to the Texas Spill Reporting Hotline at 1-800-832-8224 or the appropriate regional office of the TCEQ during normal office hours.
- Initial Report:
- TCEQ Follow- Up Report

Within 30 working days of the discovery of a reportable discharge or spill, the person responsible must submit written information to the appropriate TCEQ regional office describing the details and supporting the adequacy of the response.

Reporting a Spill to TWPD

• Texas Parks and Wildlife – Kills and Spills Team

If you see a fish or wildlife kill or suspect a pollution event, call (512) 389-4848

- Initial Report:
 - Location, date, and time
 - Watercolor, clarity, and any odor
 - Number, size, and species of affected organisms
 - Recent weather
 - Condition and behavior of animals or organisms
 - Are plants or other organisms affected?

Oil Spill and Hazardous Substance Response Agencies

- Texas General Land Office
 - To report oil spills and pollution events: (800) 832-8224
 - Oil Spill Prevention and Response Program
- Texas Commission on Environmental Quality
 - To report an environmental emergency, discharge, spill, or air release: (800) 832-8224
 - Emergency Response
- The Railroad Commission of Texas
 - To report oil spills and pollution events: (800) 832-8224
 - The Railroad Commission of Texas

Requirements

Spill Reporting

- Report qualifying spills to TCEQ and TWPD within 24 hrs. of identifying the spill.
- Complete the initial and follow up reporting requires for each organization as appropriate.

Documentation

• A copy of the spill report, investigation and/or SWPPP modifications must be included in the facility's SWPPP book

Violations

Notice of Violation

- Not implementing the spill prevention and response measures laid out in the SWPPP.
- Not modifying SWPPP to include area new areas of concern for spills and leaks.
- **Not** modifying the SWPPP with up-to-date spill prevention and response measures when current procedures are found to be inadequate.

Citations

- Not reporting a qualified spill to the appropriate organizations within 24 hours of identifying a spill or leak onsite.
- NOV deficiencies are not corrected.

Resources

Contact Information

- TCEQ 1-800-832-8224
- TPWD (512) 389-4848 le.communications@tpwd.texas.gov
- City of Arlington (817) 459- 6550 environmental@arlingtontx.gov

Guides and Videos

- TCEQ Spills Reportable Quantities
- EPA List of Hazardous Substances and Reportable Quantities
- TPWD Kills and Spills Team

Routine Site Inspections (TCEQ Requirement)

Qualified personnel, who are familiar with the industrial activities performed at the facility, shall conduct periodic routine facility inspections to determine the effectiveness of the Pollution Prevention Measures and Controls. (Routine Inspection Template can be utilized for the Monthly Site Inspections)

Permit/Regulations

• TXR050000 Part III Section B.2 – Routine Facility Inspections

Requirements

Inspections

- Inspections must include at least one member of the stormwater pollution prevention team.
- Inspections must be conducted at least once per quarter unless otherwise specified in MSGP permit.
- **Document the findings** of each routine facility inspection performed and shall maintain this documentation onsite with the SWPPP.
- The inspections must be documented using a checklist that is developed to include each of the
 controls and measures that are evaluated and include the minimal reporting information
 requirements. Checklist must include sector specific requirements.
- Inspections must be signed by an Authorized Signatory or by a Delegated Signatory.
- Facility must complete and include a copy of any SWPPP revisions or additions.

Violations

Notice of Violation

- Facility **HAS NOT** completed quarterly facility inspections.
- Facility **HAS NOT** appropriated signed monthly inspections.
- Routine inspection checklist DOES NOT include the STANDARD and SECTOR SPECIFIC inspection requirements.

Citations

NOV deficiencies are not corrected.

Resources

Templates/ Forms

- TCEQ Routine Facility Inspection Worksheet (Pg. 88)
- TCEQ Inspection Plans and Procedures: Worksheet (Pg. 105)

Monthly Site Inspections (COA Requirement)

Monthly Inspections are a City of Arlington REQUIREMENT. The Texas State Home Rule allows counties, cities, and other jurisdictions to mandate ADDITIONAL requirements for facilities within its boundaries. The City of Arlington has included the requirement for monthly inspections. Routine inspection templates meet the requirements of City of Arlington Monthly Inspections. (Routine Inspection Template can be utilized for the Monthly Site Inspections)

Permit/Regulations

- <u>Texas Local Government Code 401.002</u> Home-Rule Municipality
- City of Arlington Stormwater Pollution Control Ordinance

Requirements

Inspections

- Inspections must include at least one member of the stormwater pollution prevention team.
- Inspections must be conducted at **least once a month** as outlined on <u>the City of Arlington Stormwater</u> Pollution Control Ordinance.
- **Document the findings** of each routine facility inspection performed and shall maintain this documentation onsite with the SWPPP.
- The inspections must be documented using a checklist that is developed to include each of the
 controls and measures that are evaluated and include the minimal reporting information
 requirements. Checklist must include sector specific requirements.
- Inspections must be signed by an Authorized Signatory or by a Delegated Signatory.
- Facility must complete and include a copy of any SWPPP revisions or additions.

Violations

Notice of Violation

- Facility **HAS NOT** completed monthly facility inspections.
- Facility **HAS NOT** appropriated signed monthly inspections.
- Monthly inspection checklist **DOES NOT** include the **STANDARD** and **SECTOR SPECIFIC** inspection requirements.

Citations

• NOV deficiencies are not corrected.

Resources

Templates/ Forms

- TCEQ Routine Facility Inspection Worksheet (Pg. 88)
- TCEQ Inspection Plans and Procedures: Worksheet (Pg. 105)

Quarterly Visual Monitoring

Stormwater discharges from **each outfall authorized** by this general permit must be visually examined on a quarterly basis. Monitoring must be conducted during the normal hours of operation for the facility and samples must be collected in a clean, clear, glass or plastic container and examined in a well-lit area.

Permit/Regulations

• TXR050000 Part III Section B.3 – Quarterly Visual Monitoring – 111 pg.

Requirements

Inspections

- Facility must perform a quarterly visual inspection of the representative stormwater discharge for each of the permitted outfalls located on site.
- Samples must be performed in the appropriate container and document the required findings.

Reporting

- The quarterly visual monitoring Inspection **report must include** the mandated finding parameters and report information.
- The stormwater pollution prevention team must review the quarterly visual monitoring report.
- The stormwater pollution prevention team must investigate and identify probable sources of stormwater contamination and introduce SWPPP modifications as necessary.

•

Violations

Notice of Violation

- Monitoring of each outfall WAS NOT performed each quarter during daylight and operation hours.
- Samples **HAVE NOT** been examined in a well-lit area for color, clarity, floating solids, settled solids, suspended solids, foam, oil sheen, and odor.
- There IS NOT written documentation of monitoring (including date and time of sample collection, names of personnel collecting and examining the samples, nature of the discharge, and visual quality of the discharge).

Citations

NOV deficiencies are not corrected.

Resources

Templates/Forms

- TCEQ Quarterly Visual Monitoring: Log Sheet (Pg. 93)
- TCEQ Inspection Plans and Procedures: Worksheet (Pg. 105)

Guides and Webpages:

Quarterly Visual Monitoring of Stormwater Runoff – RG 403

Annual Comprehensive Site Evaluation

Inspect your facility and assess the effectiveness of your SWP3 annually. The Comprehensive Compliance Inspection may substitute for one routine facility inspections if you meet all requirements of both inspections. One or more of the Pollution Prevention Team Members will conduct the evaluation.

Prepare the report within 30 days of the annual site compliance evaluation date. Include a narrative discussion of your facility's compliance with the current SWP3.

If the Team discovers a noncompliance incident, correct the condition as soon as practical but no later than 12 weeks after the report completion date. If the Team does not discover any incidents of non-compliance, complete the certification statement that the facility follows the SWP3

Permit/Regulations

• TXR050000 Part III Section B.5.a and b - Annual Comprehensive Site Compliance Inspection - 113pg.

Requirements

Inspections

- Inspect your facility and assess the effectiveness of your SWPPP annually.
- One or more of the Pollution Prevention Team Members will conduct the evaluation.
- Prepare the report within 30 days of the annual site compliance evaluation date.
- Include a narrative discussion of your facility's compliance with the current SWPPP.
- If the Team discovers a noncompliance incident, correct the condition as soon as practical but no later than 12 weeks after the report completion date.
- If the Team does not discover any incidents of non-compliance, complete the certification statement that the facility follows the SWPPP.

Violations

Notice of Violation

- The annual site evaluation HAS NOT BEEN conducted by a qualified person at least once per year.
- The annual site evaluations DO NOT include the inspection of all areas in the exposed materials
 inventory, structural controls including maintenance and effectiveness, non-structural controls
 including BMP effectiveness, good housekeeping, and spill prevention, all reasonably accessible areas
 immediately downstream of each outfall, and/or all records required by the MSGP.
- The facility HAS NOT prepared a site compliance evaluation report discussing the facility's compliance with the SWPPP including date of evaluation, personnel performing the inspection, and/or incidents of non-compliance.
- Facilities with no incidents of non-compliance **HAVE NOT** completed a certification of compliance.
- Facilities with incidents of non-compliances HAVE NOT identified in the report non-compliance incidents including actions to remedy the non-compliances.
- Facilities with incidents of non-compliances **HAVE NOT** updated the SWPPP and corrective actions, no later than **12 weeks after the annual report was completed**.

Citations

NOV deficiencies are not corrected.

Resources

Templates/Forms

- TCEQ Comprehensive Compliance Inspection: Worksheet (Pg 109)
- TCEQ Inspection Plans and Procedures: Worksheet (Pg. 105)
- TCEQ Analytical Sampling Plans and Procedures: Worksheet (Pg. 101)

Water Quality Monitoring

Facilities must monitor the discharge from the facility at all outfall(s) determined to be discharging a **pollutant of concern** at a **level of concern** as listed in the MSGP permit under Impaired Water Bodies and Total Maximum Daily Load (TMDL) Requirements.

Water Quality Monitoring

Water Quality Monitoring Requirements

- Facilities must monitor the discharge from the facility at all outfall(s) that are discharging a **pollutant** of concern at a level of concern.
 - a. Substantially similar outfalls cannot be used for sampling required under this section.
- Facilities must monitor the discharge(s) for the pollutant of concern at a frequency of once per year.
- Sampling, monitoring, and analyses must be conducted according to sampling procedures outlined in the permit, unless different methods have been specified.
 - a. Testing must meet the minimum analytical levels (MALs) at or below benchmark values for all the benchmark parameters for which sampling is required.
- Reporting.
 - a. Facilities must report the results of sampling to the TCEQ by **March 31** of the following the calendar year in which the samples were collected.
 - b. Sample in 2022 > Report by March 31st 2023
 - c. Results must be submitted online using the Network Discharge Monitoring Report (NetDMR) reporting system.
- If sampling results show the pollutant is below the level of concern or is not present (below the MAL), then the facility can stop sampling, but will need to maintain records on site.

Impaired Waterbodies and TMDLS

New Discharges to Water Quality Impaired Water Bodies

- For a new discharge to an impaired water body, the permittee shall either:
 - Prevent exposure to stormwater of the pollutant(s) for which the water body is impaired (i.e., the pollutant(s) of concern), and retain on-site documentation of the preventive measures within the SWPPP
- Document that the pollutant(s) for which the water body is impaired is/are not present in the regulated industrial activity at the site, and retain documentation of this finding in the SWPPP
 - o if the pollutant of concern is bacteria, but the only identifiable source of bacteria that is

wildlife occurring on the property, then the bacteria levels could be considered "background" for the purposes of this permit requirement.

- Obtain analytical data to support a showing that the discharge is not expected to cause or contribute to an exceedance of a water quality standard.
 - The data and technical evaluation must demonstrate that the discharge of the pollutant of concern for which the water is impaired is below the level of concern.
 - o If sampling results indicate that the pollutant of concern is present in the discharge at a level of concern, then the permittee shall perform the following activities:
 - Monitor the discharge in accordance with "<u>Water Quality Monitoring</u> Requirements,"
 - Revise the SWPPP to address controls that the permittee will utilize to reduce the discharge of the pollutant of concern.

Existing Discharges to Impaired Water Bodies with an approved TMDL.

- An existing discharge to an impaired water body with an approved TMDL can be permitted if the
 permittee complies with additional controls required by
 - a. the TCEQ in the TMDL,
 - b. the TMDL Implementation Plan,
 - c. or as otherwise directed by the executive director in writing to the permittee.
- If the TMDL or TMDL Implementation Plan does not identify monitoring requirements for the permittee, additional monitoring is not required under Water Quality Monitoring.

Existing Discharge to Water Quality Impaired Water Bodies without an approved TMDL.

- Prevent exposure to stormwater of the pollutant(s) for which the water body is impaired (i.e., the pollutant(s) of concern), and retain on-site documentation of the preventive measures within the SWPPP.
- Document that the pollutant(s) for which the water body is impaired is/are not present in the regulated industrial activity at the site and retain documentation of this finding in the SWPPP.
 - If the pollutant of concern is bacteria, but the only identifiable source of bacteria that is
 wildlife occurring on the property, then the bacteria levels could be considered "background"
 for the purposes of this permit requirement.
- Obtain analytical data to support a showing that the discharge is not expected to cause or contribute to an exceedance of a water quality standard.
 - The data and technical evaluation must demonstrate that the discharge of the pollutant of concern for which the water is impaired is below the level of concern.
 - o If sampling results indicate that the pollutant of concern is present in the discharge at a level of concern, then the permittee shall perform the following activities:
 - The facility shall implement an interim pollutant reduction plan (PRP) for the pollutant of concern.
- Beginning upon the date that the permittee is authorized for coverage under this permit, the
 permittee may not establish a new or increased discharge potentially containing a pollutant of
 concern to an impaired water body unless:
 - o there is no exposure of the pollutant of concern to stormwater.
 - o the pollutant of concern is not present at the site nor in the discharge.
 - o analytical data shows the pollutant of concern is not present at a level of concern.

Bacteria

E. coli (for discharge to fresh water); or enterococci (for discharges to marine waters).

Permit/Regulations

• TXR050000 Part III Section B.5.a and b - Annual Comprehensive Site Compliance Inspection - 113pg.

Requirements

Water Quality Monitoring

- If exempted from sampling, facility must provide a Water Quality Statement detailing waiver or I-Plan policy that allows for an exemption from water quality sampling.
- Facility must review the TMDL and 303d Categories 4 and 5 list annually and update SWPPP as needed.
- Facility must review active I-Plans annually and update SWPPP as needed.
- Facility must perform annual water quality monitoring for pollutants of concern unless a waiver or TMDL I-plan states otherwise.
- Facility must include water quality sampling data and data summary in the facility SWPPP.
- Facility must **report water quality sampling data** annually by March 31 of the following sampling year.

Impaired Waterbody/ TMDLs

- Facility must **update SWPPP** to identify any impaired waterbodies or TMDL waterbodies that receive the facility's stormwater runoff.
- Facility's SWPPP must identify the pollutant of concern.

Violations

Notice of Violation

- Water Quality Statement detailing waiver or I-Plan policy that allows for an exemption from water quality sampling IS NOT included in the SWPPP.
- Sampling, monitoring, and/or analyses ARE NOT conducted according to permit procedures.
- Records of monitoring **DO NOT** include date, time, and place of sample or measurement, the individual who collected the sample, made the measurement, or performed the analysis, date and time the analysis was conducted, the identity of the individual or lab who performed the analysis, the technique or method of analysis, the results of measurement, observation or analysis, quality assurance/quality control.

Citations

NOV deficiencies are not corrected.

Resources

Templates/Forms

- TCEQ Inspection Plans and Procedures: Worksheet (Pg. 105)
- TCEQ Analytical Sampling Plans and Procedures: Worksheet (Pg. 101)

Guides and Webpages

- EPA-approved CWA Section 303(d) List
- Texas Integrated Report of Surface Water Quality for CWA Sections 305(b) and 303(d)
- EPA-approved TMDL

Weather Tracking

Monitor rainfall using an on-site rain gauge, a representative weather station, or an alternative means of compliance.24 Use rainfall data to determine when a qualifying storm event occurs.

Permit/Regulations

• TXR050000 Part III Section D.1 – Weather Monitoring - 119 pg.

Qualifying Rain Event:

- is measurable.
- causes runoff at the outfall.
- occurs at least 72 hours (3 days) after the previous storm event.

Requirements

Monitoring

- Track and record site rain gauge at least **once a week** and include in the SWPPP.
- Track and record site rain gauge at least once a day during rain events and include in the SWPPP.
- If claiming Adverse Weather for a sampling event, provide weather monitoring data as support.

Violations

Citations

• NOV deficiencies are not corrected.

Notice of Violation

- A rain gauge IS NOT maintained on-site or utilized in the immediate vicinity of the site to determine
 when a representative storm event occurs.
- Rain gauge monitoring **IS NOT** performed a minimum of once per week and once per day during storm events and are records being retained on-site.

Resources

Templates/Forms

TCEQ - Weather Monitoring: Log Sheet (Pg. 97)

Sampling

Reporting of analytical results for compliance with effluent limitations and benchmark monitoring for the 2022 calendar year MSGP monitoring periods **must be submitted electronically in the NetDMR reporting system by March 31, 2023**.

The following discharge monitoring report forms may be used for record keeping in the SWP3. **Do not submit** paper DMRs to TCEQ unless you have requested and obtained an <u>electronic reporting waiver</u>.

Sampling:

Heavy Metals – DMR Benchmark Monitoring – BMR Federal Effluent Limitations Water Quality Monitoring (if required)

Permit/Regulations

• TXR050000 Part III Section D.6 – Analytical Sampling Plans and Procedures – 99 pg.

Requirements

Sampling Requirements

Sampling Type	Permit Citation	MSGP Sector	Frequency of Sample	Report
Hazardous Metals	Part III C.1	All sectors unless you get a waiver	Anually	Only if exceedance
Benchmark	Part IV and Part V	Certain SIC codes within A, B, C, D, E, F, G, H, J, K, L, M, N, O, Q, S, T, U, Y, AA, and AD	Semi-annually (Jan- June and July-Dec)	Always, however waiver option available for Year 3 and 4 of MSGP cycle
Federal Effluent Limits	Part III.C.2 Table 3	Certain activities within A, C, D, E, J, O, and S	Annually	Always
Impaired Waterbody	Part III Section B.4	All sectors if facility discharges Pollutant of Concern (POC) into receiving waterbody	Annually	Always

Heavy Metals (BMR)

Heavy Metal Sampling

All permittees are required to monitor for hazardous metals, unless they qualify for a waiver as described below.

- Facility must **collect a grab sample** at a minimum frequency of **once per year** at the final outfall or a designated sampling location.
- All designated sampling points **must be representative of the discharge(s)** from the facility that would reach surface water in the state.
- Heavy Meatal sampling test methods utilized must be sensitive enough to detect the following
 parameters at the minimum analytical levels (MAL) as specified in Part III.D.1(e)(iii) of the TDPES
 Multi-Sector General Permit.

Minimal Analytical Limitations (MALs)

Parameter (Total)	Discharges to Inland Waters (mg/L)	MAL (mg/L)	Monitoring Frequency
Arsenic	0.3	0.0005	1/Year
Barium	4.0	0.003	1/Year
Cadmium	0.2	0.001	1/Year
Chromium	5.0	0.003	1/Year
Copper	2.0	0.002	1/Year
Lead	1.5	0.0005	1/Year
Manganese	3.0	0.0005	1/Year
Mercury	0.01	0.000005	1/Year
Nickel	3.0	0.002	1/Year
Selenium	0.2	0.005	1/Year
Silver	0.2	0.0005	1/Year
Zinc	6.0	0.005	1/Year

Heavy Metal Reporting

- Record results of analyses for sampling on a <u>Hazardous Metals (Inland)</u> form and include in the SWPPP.
- If sampling data indicates an exceedance of any Heavy Metal parameter, the facility must complete a
 <u>Hazardous Metals (Inland)</u> and supply a copy to the TCEQ online using the NetDMR system by March
 31 of each year.
- **Report** in writing to TCEQ regional office and Enforcement Division (MC-224) in Austin if the exceedance deviates from the **effluent limit by more than 40% of the DMR limitation**.

Heavy Metal Waiver

- Facility must monitor for hazardous metals unless the facility qualifies for a DMR waiver.
- Hazardous Waiver renew each permit cycle, an up-to-date <u>Hazardous Metals Waiver Form (TCEQ</u>
 Form 10425) must be included in the SWPPP.
- Facility can waiver individual parameters and permitted inlets as long as analytical data outlines qualified exemptions.
- Facility must keep analytical data with SWPPP and make available for review.

Benchmark Sampling (DMR)

Benchmark Sampling

Sector(s) A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, Q, S, T, U, Y, AA, and AD

Benchmark monitoring is required for the industrial sector(s) listed above. This includes the primary industrial activity and any co-located industrial activities (i.e., secondary industrial activities) that are conducted at the site and are described in the MGSP.

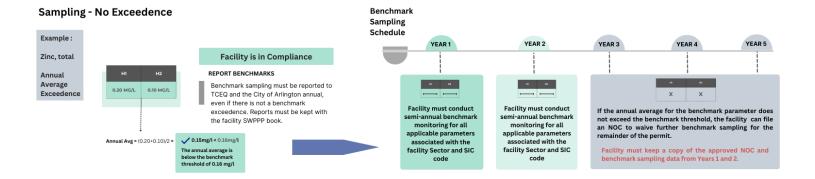
- Semi-annual sampling must be conducted at least once during the first full monitoring period (January through June or July through December) after receiving NOI or renewal NOI, and then semi-annually period (January through June or July through December)
- Samples should be collected from internal or external outfalls where BMPs are installed.

Benchmark Sampling Reporting

- Results of analyses for sampling shall be submitted to the TCEQ via NetDMR before March 31st of each year.
- The reported values shall be the average yearly result of analysis for each specific pollutant discharged under a specific Standard Industrial Classification (SIC) code or industrial activity code.
- Complete an adverse weather report **if sampling could not be performed** during one or both sampling periods. Report must include supporting weather data reports.

Benchmark Sampling Waiver

- A waiver is available for facilities during years 3 and 4 IF annual average sampling values for years 1 and 2 are all below benchmark levels.
- Facility will need to **submit a Notice of Change** and supply the supporting documentation and lab analysis to receive approval.
- A copy of the NOC and supporting documentation much be included in the SWPPP for review.



Benchmark Exceedence Action Plan

Benchmark Monitoring Exceedence

If a facility has a benchmark exceedance. It is not immediately a violation. The facility will be placed on a Benchmark Exceedence Plan with quarterly reviews and progress reports. Facilities that show no attempt towards reducing benchmark parameters or has long term benchmark exceedences may be referred to TCEQ for further investigation.

- Stormwater Pollution Prevention Team **must assess BMPs** or processes for possible modification if any benchmark parameter value is exceeded.
- If BMPS are not efficient to reduce benchmark parameter to the set limit, the facility will need to perform background sampling and/or implement addition BMPs or permanent structural controls.
- Complete quarterly reviews and progress reports.

Benchmark Sampling Reporting

- Results of analyses for sampling shall be submitted to the TCEQ via NetDMR before March 31st of each year.
- The reported values shall be the average yearly result of analysis for each specific pollutant discharged under a specific Standard Industrial Classification (SIC) code or industrial activity code.
- Complete an adverse weather report **if sampling could not be performed** during one or both sampling periods. Report must include supporting weather data reports.

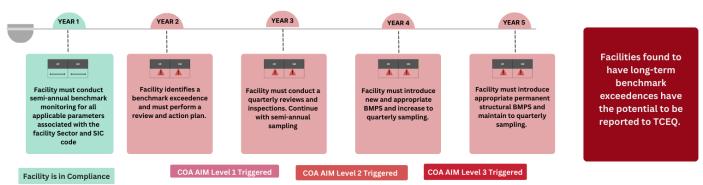
Benchmark Sampling Waiver

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- A copy of the NOC and supporting documentation much be included in the SWPPP for review.

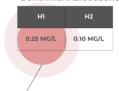


A Delicilitary Exceedence is not an automatic vio





First Year Sampling -Benchmark Exceedence



Annual Avg = (0.25+0.10)/2 **=**

▲ 0.175 mg/l > 0.16mg/l

The annual average
exceeds the benchmark
threshold of 0.16 mg/l

COA AIM Level 1 Triggered

SWPPP REVIEW

Facility will review all Good Housekeeping procedures and perform an in-depth inspection of facility. Facility will note areas that require corrections and additional BMPs.

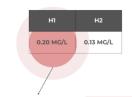
QUARTERLY MONITORING AND INSPECTIONS

Facility must complete quarterly monitoring reports to track compliance progress, document deficiencies, modifications and sampling results.

SEMI-ANNUAL SAMPLING

Facility will remain on semi-annual sampling schedule. Adjustments to facility practices will be based off of semi-annual sampling results.

Second Year Sampling



Annual Avg = (0.20+0.13)/2 = 1 0.165 mg/l > 0.16mg/l

The annual average exceeds the benchmark threshold of 0.16 mg/l

COA AIM Level 2 Triggered

INCREASE BMPS

Facility has completed Level 1 but has a continual benchmark exceedance.

Facility will need to introduce new BMPs and perform quarterly sampling events.

QUARTERLY MONITORING AND INSPECTIONS

Facility must complete quarterly monitoring reports to track compliance progress, document deficiencies, modifications and sampling results.

QUARTERLY SAMPLING

Facility will be required to perform quarterly sampling for the benchmark(s) excedeence. Adjustments to facility practices will be based off of quarterly sampling results.

Third Year Sampling



0.1725 mg/l > 0.16mg/l

The annual average exceeds the benchmark threshold of 0.16 mg/l

COA AIM Level 3 Triggered

PERMANMENT STRUCTURAL BMPS

Facility has been non-compliant or has completed Levels 1 and 2. Facilities will be required to research, review, and install a permanent structural BMP.

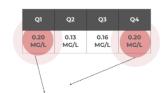
QUARTERLY MONITORING AND INSPECTIONS

Facility must complete quarterly monitoring reports to track compliance progress, document deficiencies, modifications and sampling results.

QUARTERLY SAMPLING

Facility will be required to perform quarterly sampling for the benchmark(s) excedeence. Adjustments to facility practices will be based off of quarterly sampling results.

Forth Year Sampling



Annual Avg = (0.20+0.13+0.16+0.20)/4 = 0.1725 mg/l > 0.16mg/l

▲ 0.1725 mg/l > 0.16mg/l

The annual average
exceeds the benchmark
threshold of 0.16 mg/l

COA AIM Level 3 Continues

PERMANENT STRUCTURAL BMPS

Facility has completed Level 1 but has a continual benchmark exceedance.

Facility will need to introduce new BMPs and perform quarterly sampling events.

QUARTERLY MONITORING AND INSPECTIONS

Facility must complete quarterly monitoring reports to track compliance progress, document deficiencies, modifications and sampling results.

QUARTERLY SAMPLING

Facility will be required to perform quarterly sampling for the benchmark(s) excedeence. Adjustments to facility practices will be based off of quarterly sampling results.

REPORT TO TCEQ

Continual benchmark exceedance will result in notification to TCEQ.

Federal Effluent Limitations

Federal Effluent Limitations Sampling

Certain activities within Sector(s) A, C, D, E, J, O, and S

The MSGP includes additional effluent limitations for certain stormwater discharges as required under 40 CFR Subchapter N Parts 400-471. Only those stormwater discharges identified above are eligible for coverage under this permit.

- Perform sampling as specified in the MSGP.
- Samples should be collected from internal or external outfalls where BMPs are installed.

Federal Effluent Limitations Reporting

- Results of analyses for sampling shall be submitted to the TCEQ via NetDMR before March 31st of each year.
- Complete an **adverse weather report** if sampling could not be performed during one or both sampling periods. Report must include supporting weather data reports.

Federal Effluent Limitations Waiver

• NO WAIVERS, Monitoring is required as stated per sector specifications.

Violations

Notice of Violation

- Samples **WERE NOT** collected during a representative storm event (at least 0.1" of precipitation and at least 72 hours since the last minimum of 0.1" of rainfall)?
- SWPPP DOES NOT include a description of all outfall locations and a detailed justification of why
 discharge qualities from the outfalls that are substantially similar.
- Samples WERE NOT collected within the first 30 min. of discharge and samples that could not be
 collected within the first hour of discharge DO NOT HAVE the reason documented and attached to all
 required reports of the sampling activity.
- Numeric Effluent Limitation samples WERE NOT collected prior to December 31st of each year.
- The facility claims a waiver from all or part of hazardous metals monitoring and DOES NOT have a copy of the waiver form included in the SWPPP.
- Reports DO NOT indicate were or not samples taken were representative of the monitored activity.
- Sampling, monitoring, and analyses WERE NOT conducted according to procedures in 30 TAC 319.11-319.12 or 40 CFR Part 136, or as otherwise specified in the permit.
- Facility IS NOT compliant with numeric effluent limitations?
- Records of monitoring DO NOT include date, time, and place of sample or measurement, the
 individual who collected the sample, made the measurement, or performed the analysis, date and
 time the analysis was conducted, the identity of the individual or lab who performed the analysis, the
 technique or method of analysis, the results of measurement, observation or analysis, quality
 assurance/quality control.
- Did the facility temporarily suspend sampling, inspections, examinations, or other monitoring of storm water discharges within a prescribed monitoring period because of adverse weather conditions and DID NOT document the suspension and include reports in the SWPPP.

Citations

- NOV deficiencies are not corrected.
- Facility **DOES NOT** complete sampling as required per the MSGP.

Resources

Templates/Forms

- TCEQ Inspection Plans and Procedures: Worksheet (Pg. 105)
- TCEQ Analytical Sampling Plans and Procedures: Worksheet (Pg. 101)

Presentations and Guides

- Monitoring and Reporting Stormwater Discharges from Industrial Facilities TCEQ Webpage
- Multi-sector General Permit: Online Reporting for Discharge Monitoring Youtube
- <u>Stormwater Multi-Sector General Permit (MSGP) Monitoring and Reporting in NetDMR</u> Powerpoint