The City of Harker Heights
305 Miller's Crossing
Harker Heights, Texas 76548
Phone 254/953-5600
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December 16, 2025

Certified Mail #70163560000064803843
Return Receipt Requested

Texas Commission on Environmental Quality
Stormwater Team Leader (MC-148)
P.O. Box 13087
Austin, Texas 78711-3087

Re: Phase II MS4 Annual Report Transmittal for City of Harker Heights
TPDES Authorization: TXR040011

Dear Team Leader:

This letter serves to transmit the required annual report for the Texas Pollutant Discharge Elimination System Small Municipal Separate Storm Sewer System General Permit, Authorization Number TXR040011 for the City of Harker Heights. The annual report is for Year 7 which began on 1/24/2025 and ended on 09/23/2025.

A separate Notice of Change has not been submitted based on the fact that the City's Coverage under the 2019 TPDES Phase II (Small) Municipal Separate Storm Sewer System (MS4) Permit, TXR040011 ended 09/23/2025 and the City's coverage under the 2024 TPDES Phase II (Small) Municipal Separate Storm Sewer System (MS4) Permit, TXR040011 became effective that same day.

As required by the general permit, a copy of the report has been mailed to the TCEQ's Region 9 office in Waco, Texas.

Respectfully,

Mark Hyde
Assistant City Manager

cc: Manager, Water Section, Waco Regional Office, TCEQ, 6801 Sanger Avenue, Suite 2500, Waco, Texas 76710-7826, Certified Mail #70163560000064803850

CITY OF HARKER HEIGHTS

PERMIT# TXR040011

ANNUAL REPORT

PERMIT YEAR 7

01/24/2025 - 09/23/2025

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1. **COVER LETTER**
2. **YEAR 7 ANNUAL REPORT FOR THE 2019 PERMIT (1/1/2025 – 9/23/2025)**
3. **ATTACHMENTS**

B-1. Compliance Documents

1. TXR040000 – NOI Extension
    1. TXR040011 – Confirmation of Application Filing
2. TXR040011 -Certificate of Issuance under the 2024 MS4 General Permit

B-2-1. Public Education, Outreach and Involvement

1. Designate Stormwater Coordinator *(See B-2-2-2 Ordinance 33)*
2. Develop & Distribute One Brochure. Maintain List of Brochures.
    1. Brochure #18
    2. List of available brochures is part of B-2-1-3
3. Add Stormwater Information to the City's Website.
    1. Copy of Website
4. Distribute Fact Sheet on Pet Waste.
    1. 2025 Pet Waste Brochure
    2. Correspondence on number distributed
5. Install and Maintain Signs at Key Stormwater Outfalls.
    1. Location of New sign placed
    2. Location of signs maintained
6. Comply with State Public Notification Guidelines.
    1. Proof of NOI submission
    2. Copy of 2024 Permit for TXR040011
7. Youth Group to Stencil Catch Basins and Flumes
    1. Correspondence on number installed
    2. Photos from inlet marking event
8. Establish a Stormwater Committee
    1. December 2025 Meeting Agenda
    2. December 2025 Meeting Sign-in Sheet
    3. December 2025 Meeting Presentation Materials
9. Hold Annual Household Hazardous Waste Day
    1. CTCOG HHW event posting
    2. Copies of flyers from two HHW events

B-2-2. Illicit Discharge, Detection, and Elimination

1. Map Outfalls and Receiving Waters.
2. Develop Stormwater Related Ordinances.
    1. Code of Ordinances Chapter 33
    2. Code of Ordinances Chapter 50
    3. Code of Ordinances Chapter 154
    4. Code of Ordinances Chapter 155.200
    5. Code of Ordinances Chapter 156
    6. Code of Ordinances Chapter 158
3. Program for Dry Weather Screening of Outfalls.
    1. Catch Basins and Outfall Testing Data
    2. Detention Basin List (Zone B inspected in 2025)
4. Develop, Improve and Implement the Procedural System for Detecting and Eliminating Illicit Discharges and Develop an Associated Training Manual for City Employees. (Also see B-2-5-1 and B-2-5-2)
    1. 2025 Annual Training Sign-in Sheet
    2. Employee Handbook for Illicit Discharges
5. Develop System for Public to Report and Comment on Illicit Stormwater Sightings and Issues.
    1. Publicize Stormwater Hotline on website
6. Develop Location-Based Stormwater Related Data. *(Also see B-2-2-1)*
    1. List of Septic Tanks from Bell County Public Health
7. Develop a Sampling, Testing and Data Collection Plan to Aid in Identifying/ Eliminating Contaminant Sources. *(See B-2-2-4-2)*

B-2-3. Construction Site Stormwater Runoff Control

1. Review Chapter 155 (Section 200, Building Permits) and Chapter 156: Erosion and Sedimentation Ordinance and Make Changes as Appropriate to Comply with Permit. *(See B-2-2-2)*
2. Develop or Verify Procedures in Place Related to Construction Projects.
    1. ESC Permits Issued by City
    2. ESC Permits Filed with City
    3. TCEQ construction stormwater application search for 2025
    4. TCEQ construction stormwater approved permits search
3. Review Other Related Existing Ordinances Associated with Stormwater Runoff. *(See B-2-2-2)*

B-2-4. Post-Construction Stormwater Management in New Development and Redevelopment

1. Develop Comprehensive Description of Post-Construction Stormwater Management Program. *(See B-2-2-2 and B-2-4-3-1 thru 4)*
2. Review and Modify as Appropriate the Ordinances to Require Runoff Controls for New Development and Redevelopment. *(See B-2-2-2)*
3. Create a Developer Guidance Document.
    1. Developer Flowchart
    2. Checklist for Concept Plan permits
    3. Checklist for Preliminary Plat (Infrastructure) permits
    4. Checklist for Final/Replat/Minor/Amending Plats (Infrastructure) permits
4. Develop Materials Promoting the Reduction of Stormwater Runoff and Pollutants *(See B-2-1-2-1 and B-2-1-2-2)*

B-2-5. Pollution Prevention & Good Housekeeping for Municipal Operations

1. Train all Public Works and Parks & Recreation Staff on Stormwater Management. *(Also see B-2-2-4-1 and B-2-2-4-2)*
    1. Herbicide and Pesticide SOP
    2. Street Sweeper SOP
2. City Facility O&M Program *(See B-2-2-3-1 and B-2-2-3-2)*
3. Targeted Wastewater Facilities Review.
    1. TXRNEA082 -Certificate of Issuance under the 2021 Stormwater Multi-Sector General Permit
    2. TXRNEA082 Full Permit
4. Seek Public Input on City Facilities and O&M. *(See B-2-1-3)*

C-1. E. Coli Testing

1. Trimmier Creek – Quarter 1 - BRA.
2. Trimmier Creek – Quarter 2 - BRA.
3. Trimmier Creek – Quarter 3 – City of Harker Heights.

D-1. Nolan Creek Watershed Protection Plan

1. 2025 Meeting Presentation Materials
2. 2025 Meeting Sign-In Sheet

Phase II (Small) MS4 Annual Report Form

TPDES General Permit Number TXR040000

A. General Information

Authorization Number: TXR040011

Reporting Year (year will be either 1, 2, 3, 4, or 5): 7

Annual Reporting Year Option Selected by MS4:

Calendar Year: _____

Permit Year: X

Fiscal Year: _____ Last day of fiscal year: (_____)

Reporting period beginning date: (month/date/year) 01/24/2025

Reporting period end date: (month/date/year) 09/23/2025

MS4 Operator Level: 2 Name of MS4: City of Harker Heights

Contact Name: Mark Hyde Telephone Number: 254-953-5641

Mailing Address: 305 Millers Crossing, Harker Heights, TX 76548

E-mail Address: mhyde@harkerheights.gov

A copy of the annual report was submitted to the TCEQ Region: YES X NO

Region the annual report was submitted to: TCEQ Region 9 (Waco)

B. Status of Compliance with the MS4 GP and SWMP

1. Provide information on the status of complying with permit conditions: (TXR040000 Part IV.B.2)

	Yes	No	Explain
Permittee is currently in compliance with the SWMP as submitted to and approved by the TCEQ.	Yes		The City's 2019 SWMP was approved by TCEQ on April 12, 2022. An NOI was submitted to the TCEQ on 02/11/2025 for the 2024 MS4 permit. On 02/25/25 Monica Alba Garcia, Environmental Permit Specialist III confirmed receipt and that no additional action was required at that time. The City's 2024 SWMP was approved by TCEQ on September 23, 2025. That approval ended the City's coverage under the 2019 permit. Therefore, this report covers 01/24/2025 – 09/23/2025.
Permittee is currently in compliance with recordkeeping and reporting requirements.	Yes		The City of Harker Heights has updated the stormwater records through year 7 of the permit cycle. All reporting is current.

Permittee meets the eligibility requirements of the permit (e.g., TMDL requirements, Edwards Aquifer limitations, compliance history, etc.).	Yes		The City meets the eligibility requirements of the permit including the testing and inspection of e-coli impaired water bodies. The City is compliant with all of the current and past permit requirements.
Permittee conducted an annual review of its SWMP in conjunction with preparation of the annual report	Yes		The Year 6 SWMP was reviewed prior to preparation of the Year 7 annual report.

2. Provide a general assessment of the appropriateness of the selected BMPs. You may use the table below to meet this requirement (**see Example 1 in instructions**):

MCM(s)	**BMP**	**BMP is appropriate for reducing the discharge of pollutants in stormwater (Answer Yes or No and explain)**
1: Public Education, Outreach and Involvement	1-1. Designate Stormwater Coordinator.	Yes, the Public Works Director has been designated as the Stormwater Coordinator (SWC). The SWC coordinates permit compliance and reporting and oversees all aspects of the Stormwater Management Plan (SWMP). The SWC is able to monitor SWMP efficiencies and make changes to the BMPs if needed in order to maximize pollutant reductions.
1: Public Education, Outreach and Involvement	1-2. Develop One Brochure and Distribute to the Public (Brochure #18). Establish and maintain a list of available brochures.	Yes, the educational brochures are mailed in December annually to every resident and business with a water account.

MCM(s)	BMP	BMP is appropriate for reducing the discharge of pollutants in stormwater (Answer Yes or No and explain)
1: Public Education, Outreach and Involvement	1-3. Add Stormwater Information to the City's Website.	Yes, the City's website is reviewed and annually updated in order to provide easy access to educational materials on how to reduce pollutants in our watercourses. Without education there would be no decrease in pollutant discharges.
1: Public Education, Outreach and Involvement	1-4. Distribute Fact Sheet on Pet Waste.	Yes, developed a fact sheet on pet waste to be distributed from the animal shelter with adoptions. Most residents have voluntarily complied once they know the right procedure to follow. Numerical impact of this type of education was found in the TIAER study of the Nolan Creek watershed and the BRA's testing of the Trimmier Creek watershed. In both cases, bacterial loading was shown to decrease since 2006.
1: Public Education, Outreach and Involvement	1-5. Install and Maintain Signs at Key Stormwater Outfalls.	Yes, the City maintains the twenty-four (24) existing signs located at major Stormwater outfalls. An additional outfall sign was added in 2025, increasing the total to 24 outfall signs. Signage is a visual reminder to the public to not pollute and that the watercourse is monitored. Staff has responded to less reports of debris at the outfall locations.
1: Public Education, Outreach and Involvement	1-6. Comply with State Public Notification Guidelines.	Yes, the City submitted a copy of the General Permit notice and publisher's affidavit to the TCEQ Chief Clerk. Adoption of and compliance with the general permit ensure that the City will continue to work toward a reduction of pollutants.
1: Public Education, Outreach and Involvement	1-7. Youth Group to Stencil Catch Basins and Flumes	Yes, local youth volunteer groups are the City's best advocates for protecting the stormwater collection system from pollutants. This BMP provides for direct education to ~4-10 youth and their parents and a visual reminder/indirect education to all residents.

MCM(s)	BMP	BMP is appropriate for reducing the discharge of pollutants in stormwater (Answer Yes or No and explain)
1: Public Education, Outreach and Involvement	1-8. Establish a Stormwater Committee	Yes, a Stormwater Committee has been established. The Committee ensures compliance with the selected BMP's, tracks BMP implementation and provides input to the City. One meeting was held on December 10, 2025, as part of Year 1 of the 2024 permit and 11 people attended.
1: Public Education, Outreach and Involvement	1-9. Hold Annual Household Hazardous Waste Day	Yes, the household hazardous waste day events are free of charge to residents and allow for the disposal of paint, herbicides, pesticides, fertilizer and other chemicals that otherwise could find their way into the stormwater collection system. Harker Heights' residents actively participate in the events. This year residents had two opportunities to participate in HHW events due to co-sponsoring by the Central Texas Council of Government (CTCOG). One regional HHW event was held in the City of Killeen on May 3, 2025, and one as part of Year 1 of the 2024 permit in the City of Temple on October 25, 2025.
2: Illicit Discharge Detection and Elimination	2-1. Map Outfalls and Receiving Waters.	Yes, the City has an electronic map of the storm sewer system which it updates as new data becomes available. The map is available internally to City staff. The map is utilized to isolate illicit discharges in a more efficient manner and thereby reducing the impact of an illicit discharge into a watercourse.
2: Illicit Discharge Detection and Elimination	2-2. Develop Stormwater Related Ordinances.	Yes, the City has developed ordinances to improve Stormwater quality and reviews said ordinance annually. The ordinance provides the legal authority to enforce the SWMP.

MCM(s)	BMP	BMP is appropriate for reducing the discharge of pollutants in stormwater (Answer Yes or No and explain)
2: Illicit Discharge Detection and Elimination	2-3. Program for Dry Weather Screening of Outfalls.	Yes, very small illicit discharges have been detected early and eliminated before becoming a problem.
2: Illicit Discharge Detection and Elimination	2-4. Develop, Improve and Implement the Procedural System for Detecting and Eliminating Illicit Discharges and Develop an Associated Training Manual for City Employees.	Yes, annual training is provided to City employees to match changes in the field screening techniques and detection/elimination procedures.
2: Illicit Discharge Detection and Elimination	2-5. Develop System for Public to Report and Comment on Illicit Stormwater Sightings and Issues.	Yes, a Stormwater Hotline for normal business hours, after regular hours, weekends and holidays is posted on the City's Stormwater website. This provides residents with a way to contact the City to report illicit discharges and for the city to mitigate the impact by responding in a timely manner.
2: Illicit Discharge Detection and Elimination	2-6. Develop Location-Based Stormwater Related Data.	Yes, development of stormwater data including dry creek screenings, public complaints and investigations for resolving Stormwater issues. Incorporating all data into a single resource allows the City to respond in a more efficient and timely manner.

MCM(s)	BMP	BMP is appropriate for reducing the discharge of pollutants in stormwater (Answer Yes or No and explain)
2: Illicit Discharge Detection and Elimination	2-7. Develop a Sampling, Testing and Data Collection Plan to Aid in Identifying/ Eliminating Contaminant Sources.	Yes, the upstream and downstream e-coli bacteria sampling information from other sources for Nolan Creek/South Nolan Creek and Trimmier Creek have helped in isolating areas contributing to higher e-coli levels in the streams. Staff has been able to focus education, maintenance and response measures accordingly in these areas.
3: Construction Site Stormwater Runoff Control	3-1. Review Chapter 155 (Section 200, Building Permits) and Chapter 156: Erosion and Sedimentation Ordinance and Make Changes as Appropriate to Comply with Permit.	Yes, the ordinances are reviewed and modified as appropriate to comply with the requirements of the general permit.
3: Construction Site Stormwater Runoff Control	3-2. Develop or Verify Procedures in Place Related to Construction Projects.	Yes, the review of construction site plans, inspection of construction sites and training of Public Works staff related to construction site Stormwater runoff control are currently in place.
3: Construction Site Stormwater Runoff Control	3-3. Review Other Related Existing Ordinances Associated with Stormwater Runoff.	Yes, the ordinances are reviewed and modified as appropriate to comply with the requirements of the general permit.

MCM(s)	BMP	BMP is appropriate for reducing the discharge of pollutants in stormwater (Answer Yes or No and explain)
4: Post-Construction Stormwater Management in New Development and Redevelopment	4-1. Develop Comprehensive Description of Post-Construction Stormwater Management Program.	Yes, the development of a comprehensive post construction stormwater management program description will enable the general public, development entities, and staff to understand and uniformly enforce design, installation, operation and maintenance of post construction stormwater BMPs. Installation of post construction BMPs helps to prevent and reduce the discharge of pollutants over time.
4: Post-Construction Stormwater Management in New Development and Redevelopment	4-2. Review and Modify as Appropriate the Ordinances to Require Runoff Controls for New Development and Redevelopment.	Yes, the ordinance regarding runoff controls for new development and redevelopment is reviewed and modified as appropriate to comply with the requirements of the general permit.
4: Post-Construction Stormwater Management in New Development and Redevelopment	4-3. Create a Developer Guidance Document.	Yes, the development of a guidance document helps to clarify the pre-construction, construction and post-construction requirements and processes.
4: Post-Construction Stormwater Management in New Development and Redevelopment	4-4. Develop Materials Promoting the Reduction of Stormwater Runoff and Pollutants.	Yes, the development of informational brochures with topics including landscape design, xeriscaping, yard waste reuse, composting and control of pollutants in stormwater runoff. Most residents have voluntarily complied once they know the right procedure to follow.

MCM(s)	BMP	BMP is appropriate for reducing the discharge of pollutants in stormwater (Answer Yes or No and explain)
5: Pollution Prevention & Good Housekeeping for Municipal Operations	5-1. Train all Public Works and Parks & Recreation Staff on Stormwater Management.	Yes, conducted 1 educational opportunity for staff. Provided 2-hour training for Public Works and Parks employees for the following: 1. Looking for illicit connections. 2. Hazardous material handling and storage. 3. Vehicle & equipment fueling and washing. 4. Handling and storing herbicides and pesticides.
5: Pollution Prevention & Good Housekeeping for Municipal Operations	5-2. City Facility O&M Program.	Yes, an inventory of catch basins and detention facility inlets and trash racks has been developed and is amended as necessary. Detailed inspection of public and privately maintained storm water detention facilities (one per month) started in 2022. The Standard Operating Procedure (SOP) for disposal of street sweeping debris has been developed and is currently in use.
5: Pollution Prevention & Good Housekeeping for Municipal Operations	5-3. Targeted Wastewater Facilities Review.	Yes, the City conducts frequent inspections of wastewater facilities including lift stations, air release valves on force mains and trunk sewer mains in remote locations. Repeat sanitary sewer overflows (SSO's) in the wastewater collection system are included on a sewer line increased frequency cleaning list until permanent repair/replacement can be made. To reduce SSO's and increase capacity in the wastewater collection system, the annual goal is to clean a minimum of 15% of the total wastewater collection system.
5: Pollution Prevention & Good Housekeeping for Municipal Operations	5-4. Seek Public Input on City Facilities and O&M.	Yes, a Stormwater Hotline for normal business hours, after regular hours, weekends and holidays, is posted on the City Stormwater website for reporting pollution in the Stormwater system.

3. Describe progress towards achieving the goal of reducing the discharge of pollutants to the MEP. If no progress was made or the BMP did not result in a reduction in pollutants, provide an explanation. Use the table below to meet this requirement (**see Example 2 in instructions**):

MCM	BMP	Information Used	Quantity	Units	Does the BMP Demonstrate a Direct Reduction in Pollutants? (Answer Yes or No and explain)
1	1-1	Designate Stormwater Coordinator.	1	Coordinator	No, the coordination and oversight of all of the BMP's does not result in a direct reduction in pollutants. (Pollutant reduction cannot be quantified or measured)
1	1-2	Develop Brochures and Distribute to the Public. (Brochure #18)	0	Brochures	No, the brochures are for public educational purposes and do not result in a direct reduction in pollutants. Since this annual report covers January through September the City did not meet this BMP during this reporting period. Brochure #18 was developed during this reporting period and is being mailed out with the December 2025 water bills as part of Year 1 of the 2024 permit.
1	1-3	Add Stormwater Information to the City's Website.	2	Updates	No, the Stormwater section of the City website is for public educational purposes and contact information and does not result in a direct reduction in pollutants.

MCM	BMP	Information Used	Quantity	Units	Does the BMP Demonstrate a Direct Reduction in Pollutants? (Answer Yes or No and explain)
1	1-4	Distribute Fact Sheet on Pet Waste.	1,383	Pet Waste Fact Sheet	No, the fact sheets are for public educational purposes and do not result in a direct reduction in pollutants.
1	1-5	Install and Maintain Signs at Key Stormwater Outfalls.	24	Stormwater Outfall Signs	No, the stormwater signs are for public educational purposes and do not result in a direct reduction in pollutants.
1	1-6	Comply with State Public Notification Guidelines.	1	General Permit notice and publisher's affidavit	No, the copy of the General Permit notice and publisher's affidavit submitted to the TCEQ Chief Clerk's office does not result in a direct reduction in pollutants.

MCM	BMP	Information Used	Quantity	Units	Does the BMP Demonstrate a Direct Reduction in Pollutants? (Answer Yes or No and explain)
1	1-7	1-7. Youth Group to Stencil Catch Basins and Flumes	0	Buttons	Overall, this BMP does demonstrate a direct impact. However, due to the shortened permit year this item was not met this permit year. On November 8, 2025, as part of the Year 1 2024 Permit, Trail Life Troop 1274 placed 76 stormwater markers at catch basins, outfalls, and flumes. Local youth volunteer groups are the City's best advocates for protecting the stormwater collection system from pollutants. This BMP provides direct education to ~4-10 youth and their parents and a visual reminder/indirect education to all residents.
1	1-8	Establish a Stormwater Committee.	1	Stormwater Committee	No, although the members of the stormwater committee are actively involved in all of the aspects of the stormwater management plan, there is not a direct reduction in pollutants.
1	1-9	Hold Annual Household Hazardous Waste Day.	2	Household Hazardous Waste Day	No, although the event provides a free drop off point for hazardous waste that would otherwise be thrown out on the ground or go into the landfill, there is not a direct measured reduction in pollutants.

MCM	BMP	Information Used	Quantity	Units	Does the BMP Demonstrate a Direct Reduction in Pollutants? (Answer Yes or No and explain)
2	2-1	Map Outfalls and Receiving Waters.	1	Map Outfalls and Receiving Waters	No, the mapping is mainly for office and field use and does not result in a direct reduction in pollutants.
2	2-2	Develop Stormwater Related Ordinances.	4	Stormwater Related Ordinances	No, although the ordinances have provisions for enforcement, there is not a direct reduction in pollutants.
2	2-3	Program for Dry Weather Screening of Outfalls.	1	Dry Weather Screening of Outfalls	Yes, the dry weather screening of outfalls identifies and mitigates any illicit discharges resulting in a direct reduction in pollutants. (The illicit discharge can be quantified)
2	2-4	Develop, Improve and Implement the Procedural System for Detecting and Eliminating Illicit Discharges and Develop an Associated Training Manual for City Employees.	1	Procedural System and training manual for City employees for Detecting and Eliminating Illicit Discharges	No, the procedural system and training manual for City employees does not result in a direct reduction in pollutants.

MCM	BMP	Information Used	Quantity	Units	Does the BMP Demonstrate a Direct Reduction in Pollutants? (Answer Yes or No and explain)
2	2-5	Develop System for Public to Report and Comment on Illicit Stormwater Sightings and Issues.	1	System for Public to Report Illicit Stormwater Sightings	Yes, the identification and mitigation of illicit discharges does result in a direct reduction in pollutants.
2	2-6	Develop Location-Based Stormwater Related Data.	1	Location-Based Stormwater Data	Yes, records of complaints, illicit discharges and testing will help to identify and mitigate Stormwater issues resulting in a direct reduction in pollutants.
2	2-7	E-coli Sampling and Testing Plan.	1	E-coli CFU's/100 ml	Yes, the data collected to date in the Nolan Creek and Trimmier Creek tributaries has enabled field crews to focus on segments of the tributaries that have elevated e-coli levels. A measured reduction in e-coli levels in the tributaries is a direct reduction in pollutants.

MCM	BMP	Information Used	Quantity	Units	Does the BMP Demonstrate a Direct Reduction in Pollutants? (Answer Yes or No and explain)
3	3-1	Review Chapter 155 (Section 200, Building Permits) and Chapter 156: Erosion and Sedimentation Ordinance and Make Changes as Appropriate to Comply with Permit.	2	Stormwater Related Ordinances.	No, although the ordinances have provisions for enforcement, there is not a direct reduction in pollutants.
3	3-2	Develop or Verify Procedures in Place Related to Construction Projects.	1	Procedures in Place Related to Construction Projects.	No, the construction site plan review and construction site inspections do not have a direct reduction in pollutants.
3	3-3	Review Other Related Existing Ordinances Associated with Stormwater Runoff.	2	Stormwater Related Ordinances.	No, although the ordinances have provisions for enforcement, there is not a direct reduction in pollutants.
4	4-1	Develop Comprehensive Description of Post-Construction Stormwater Management Program.	1	Post-Construction Stormwater Management Program.	No, a post construction stormwater management program will not result in a direct reduction in pollutants.

MCM	BMP	Information Used	Quantity	Units	Does the BMP Demonstrate a Direct Reduction in Pollutants? (Answer Yes or No and explain)
4	4-2	Review and Modify as Appropriate the Ordinances to Require Runoff Controls for New Development and Redevelopment.	1	Ordinances requiring runoff control for new and re-development.	No, although the ordinances have provisions for enforcement, there is not a direct reduction in pollutants.
4	4-3	Create a Developer Guidance Document.	1	Developer Guidance Document.	No, a developer guidance document will not result in a direct reduction in pollutants.
4	4-4	Develop Materials Promoting the Reduction of Stormwater Runoff and Pollutants.	1	Materials Promoting the Reduction of Stormwater Runoff and Pollutants.	No, public educational materials promoting the reduction of Stormwater runoff and pollutants will not result in a direct reduction in pollutants.
5	5-1	Train all Public Works and Parks & Recreation Staff on Stormwater Management.	1	Training Public Works and Parks & Recreation Staff on Stormwater Management.	No, the training of Public Works and Parks & Recreation Staff on Stormwater Management will not result in a direct reduction in pollutants.

MCM	BMP	Information Used	Quantity	Units	Does the BMP Demonstrate a Direct Reduction in Pollutants? (Answer Yes or No and explain)
5	5-2	City Facility O&M Program.	1	City Facility O&M Program.	Yes, a City Facility O&M Program will result in a direct reduction of pollutants.
5	5-3	Targeted Wastewater Facilities Review.	1	Targeted Wastewater Facilities Review.	Yes, identification and mitigation of wastewater/bacteria exposure to stormwater does result in a direct reduction in pollutants.
5	5-4	Seek Public Input on City Facilities and O&M.	1	Seek Public Input on City Facilities and O&M.	No, public input on City Facilities does not result in a direct reduction in pollutants.

4. Provide the measurable goals for each of the MCMs, and an evaluation of the success of the implementation of the measurable goals (**see Example 3 in instructions):**

MCM(s)	Measurable Goal(s)	Explain progress toward goal or how goal was achieved. If goal was not accomplished, please explain.
1-1	Maintain an officially designated Stormwater Coordinator and support City efforts to facilitate the SWMP by the City Council.	Met Goal. The Public Works Director has been designated the Stormwater Coordinator for the permit period and the SWMP was followed.
1-2	Develop and Distribute 5 separate brochures on stormwater management (1 each permit year). Maintain a list of available brochures and a record of distribution.	**Goal Partially Met.** Brochure #18 was developed during this permit. However, the educational brochures are mailed in December annually to every resident and business with a water account. As a result, the brochure will be mailed out with the December water bills as part of Year 1 of the 2024 permit. This year's topic was basic stormwater pollution prevention measures.

MCM(s)	Measurable Goal(s)	Explain progress toward goal or how goal was achieved. If goal was not accomplished, please explain.
1-3	Continue to develop the stormwater page on the official City website.	Met Goal. Added brochure #18 to the City's stormwater website. The brochure included storm water runoff pollution prevention.
1-4	Distributed Pet Waste Fact Sheet to pet stores, vet clinics, Animal Control for adoptions, and at animal related events.	Met Goal. Distributed 1,383 copies of the Pet Waste Fact Sheet.
1-5	Install a minimum of 5 outfall signs and labels over the permit term. Maintain existing stormwater outfall signs.	Met Goal. Added one outfall sign in 2025.
1-6	Submit a copy of the NOI ad publisher's affidavit to the TCEQ Chief Clerk.	Met Goal. The City submitted a copy of the General Permit notice and publisher's affidavit to the TCEQ Chief Clerk.
1-7	Contact youth and church groups. Install 25 curb markers on catch basins and flumes each year.	**Goal Not Met.** Due to the shortened permit year this item was not completed prior to 9/23/2025. On November 8, 2025, Trail Life Troop 1274 installed and replaced a total of 76 curb markers on catch basins and flumes as part of Parmit Year 1 of the 2024 Permit.
1-8	Maintain a standing stormwater committee. Track meetings attendance, agendas and topics of discussion, potential stormwater issues, initiatives, and decisions.	**Goal Not Met.** Due to the shortened permit year this item was not completed prior to 9/23/2025. The 17th Stormwater Committee Meeting was held on December 10, 2025.
1-9	Hold or promote an annual Household Hazardous Waste Collection Day in the area.	Exceeded Goal. Two HHW Events were held this year in the Central Texas Council of Governments area.
2-1	Ongoing development and maintenance of the electronic map.	Met Goal. The electronic map was updated.

MCM(s)	Measurable Goal(s)	Explain progress toward goal or how goal was achieved. If goal was not accomplished, please explain.
2-2	Ongoing review of stormwater ordinances for appropriateness and effectiveness. Prepare and present updates to City Council as necessary. Maintain a record of any revisions,	Met Goal. The current stormwater ordinances were not changed since they are meeting the requirements of the 2019 MS4 permit.
2-3	Continue to dry weather field screen as many outfalls as possible during the permit term. Record findings, source detection efforts & results, and source removal efforts & results.	Met Goal. The field screening findings were recorded into a spreadsheet.
2-4	Develop, improve & implement illicit discharge detection procedures and training materials.	Met Goal. The training manual was distributed to Public Works and Parks Department employees.
2-5	Provide contact information on the City's website and on educational outreach materials to inform the public of the communication channels for stormwater issues.	Met Goal. The Stormwater Hotline and contact information are maintained on the City website as well as informational brochures.

MCM(s)	Measurable Goal(s)	Explain progress toward goal or how goal was achieved. If goal was not accomplished, please explain.
2-6	Develop spreadsheets containing records of dry creek screenings, public complaints, testing, illicit discharges, investigations, septic tank inventories, resolution actions and outcomes related to stormwater issues in City drainage areas. Develop inventories of septic tank systems and other potential bacterial nutrient and contaminant sources within the City's drainage areas. Gather data regarding the location, age of septic system, and other data that can be used to spatially analyze and manage the stormwater issues in the city.	Met Goal. Spreadsheets for maintaining stormwater records are in use. The Bell County Public Health District has provided a partial list of OSSF records for septic system locations in Harker Heights.
2-7	Develop a sampling, testing and data collection plan to aid in identifying/eliminating e-coli bacterial impairment in Nolan Creek/South Nolan Creek and Trimmier Creek.	Met Goal. The City has completed quarterly e-coli sampling on Nolan Creek/South Nolan Creek and Trimmier Creek for 2025. The City of Harker Heights Wastewater Plant has collected quarterly data for Nolan Creek/South Nolan Creek. The Brazos River Authority (BRA) and the City of Harker Heights staff have collected quarterly data for Trimmier Creek.
3-1	Review the Erosion and Sedimentation Control and the Building Permits sections of the City's code of ordinances and make updates as necessary.	Met Goal. The current Erosion and Sedimentation Control Ordinance is meeting the requirements of the 2019 MS4 permit.
3-2	Review, inspect & enforce construction site plans, construction sites; Train public works staff to develop and implement ordinances, programs and procedures training materials.	Met Goal. Routine inspections were conducted on construction sites.

MCM(s)	Measurable Goal(s)	Explain progress toward goal or how goal was achieved. If goal was not accomplished, please explain.
3-3	Ongoing review of stormwater ordinances for appropriateness and effectiveness. Prepare and present updates to City Council as necessary. Maintain a record of any revisions,	Met Goal, the current stormwater ordinances were not changed since they are meeting the requirements of the 2019 MS4 permit.
4-1	Develop a comprehensive description of the Post-Construction Stormwater Management Program (SWMP).	Met Goal, the current Erosion and Sedimentation Control Ordinance is meeting the requirements of the 2019 MS4 permit.
4-2	Review existing ordinances. Prepare and present draft ordinance additions and changes to the City Council.	Met Goal, the current Stormwater ordinances are meeting the requirements of the 2019 MS4 permit.
4-3	Create developer guidance documents including flow charts clarifying the aspects of the entire ongoing development process of the City and prepare ordinance and requirement guides or references and related City contact information.	Met Goal, the Developer Guidance Document continues to be utilized.
4-4	Develop an informational brochure each permit year promoting the reduction of Stormwater runoff and pollutants. Topics might include landscape design, xeriscaping, yard waste, reuse, composting and sources and control of stormwater pollutants.	**Goal Not Met.** Due to the shortened permit year this item was not completed prior to 9/23/2025. An additional brochure for the public was developed promoting the reduction of Stormwater runoff and pollutants. Inserts are to be mailed with the December 2025 water bills as part of the Year 1 2024 Permit.
5-1	Develop & utilize Pollution Prevention and Good Housekeeping training for municipal operations (City Staff Training)	**Goal Not Met.** Due to the shortened permit year this item was not completed prior to 9/23/2025. Completed annual training for the public works and parks department on December 9, 2025, as part of Year 1 of the 2024 Permit.

MCM(s)	Measurable Goal(s)	Explain progress toward goal or how goal was achieved. If goal was not accomplished, please explain.
5-2	Pollution Prevention and Good Housekeeping for Municipal Operations (City Facility O&M)	Met Goal. Stormwater control procedures including the cleaning, wastes handled, and their disposal were completed.
5-3	Targeted wastewater facilities review including inspection of lift stations, air release valves on force mains and remote trunk sewer mains. Tracking and mitigating sanitary sewer overflows.	Met Goal. Targeted wastewater facilities were routinely inspected for proper operation.
5-4	Seek Public Input on City Facilities and O&M with a Stormwater Hotline.	Met Goal. The Stormwater Hotline was available to the public and staff followed up on all reports.

C. Stormwater Data Summary

Provide a summary of all information used, including any lab results (if sampling was conducted) to assess the success of the SWMP at reducing the discharge of pollutants to the MEP. For example, did the MS4 conduct visual inspections, clean the inlets, look for illicit discharge, clean streets, look for flow during dry weather, etc.?

The City of Harker Heights has collected e-coli data for Nolan Creek/South Nolan Creek at City limit upstream and downstream locations. Data for sample sites 11913 (Nolan Creek West City Limits), sample site 11911 (Nolan Creek East City Limits) can be found on Attachment 1. The Texas Institute for Applied Environmental Research (TIAER) has concluded the e-coli contribution into Nolan Creek/South Nolan Creek is primarily from Nonpoint Sources. A local stakeholder committee facilitated by TIAER has been meeting to address the Nonpoint Source e-coli contribution into Nolan Creek/South Nolan Creek. The City of Harker Heights has four city staff members on the voluntary stakeholder committee. The TCEQ has approved the Watershed Protection Plan for Nolan Creek/South Nolan Creek submitted by TIAER. In 2023 a Watershed Coordinator was hired by the City of Nolanville to manage this Watershed Protection Plan.

The Brazos River Authority (BRA) Clean Rivers Program has collected e-coli data for Trimmier Creek at the City limit downstream location and two upstream sampling locations. Sample sites 21689 and 21690 will serve as the Trimmier Creek North City Limits sample sites. E-coli data for sample site 18754 will serve as the Trimmier Creek South City Limits. E-coli data for sample sites 18754, 21689 and 21690 can be found in Attachment 2. The BRA has concluded the e-coli contribution into Trimmier Creek is primarily from Nonpoint Sources. The BRA had reduced stream sample collection in 2022 due to the COVID-19 pandemic. Additionally, the BRA ceased testing at these locations in the third Quarter of 2025. At that time the City began testing at the same locations in order to continue to monitor that area.

D. Impaired Waterbodies

1. Identify whether an impaired water within the permitted area was added to the latest EPA-approved 303(d) list or the Texas Integrated Report of Surface Water Quality for CWA Sections 305(b) and 303(d). List any newly-identified impaired waters below by including the name of the water body and the cause of impairment.

   Nolan Creek/South Nolan Creek Segment ID 1218 was listed in the 303(d) list for bacterial impairment in 1996. Trimmier Creek Segment ID 1216 was de-listed for bacteria impairment in 2014.

2. If applicable, explain below any activities taken to address the discharge to impaired waterbodies, including any sampling results and a summary of the small MS4's BMPs used to address the pollutant of concern.

   The City of Harker Heights has partnered with the Texas Institute for Applied Environmental Research (TIAER) along with the TCEQ to improve water quality in Nolan Creek/South Nolan Creek to remove the stream from the 303d list for e-coli bacterial impairment. The City will utilize data from the TIAER's stream sampling stations in Nolan Creek at the City limit upstream and downstream locations to monitor e-coli bacteria levels on at least a quarterly basis. The City of Harker Heights has also partnered with the Brazos River Authority (BRA) Clean Rivers Program to improve water quality in Trimmier Creek to remove the stream from the 303(d) list for e-coli bacterial impairment. Trimmier Creek Segment ID 1216A was removed from the 2014 303(d) list for bacterial impairment. The City will utilize data from the BRA's stream sampling stations in Trimmier Creek at the City limit upstream and downstream locations to monitor e-coli bacteria levels on at least a quarterly basis. Since TIAER and the BRA ceased collecting quarterly

samples in Harker Heights for e-coli monitoring, the City of Harker Heights Wastewater staff continues to collect quarterly grab samples at each sample site location and utilize the IDEXX method at the wastewater plant laboratory to determine the number of e-coli colony forming units/100 ml. for the annual Stormwater report. The Harker Heights wastewater staff investigates Nolan Creek/South Nolan Creek and Trimmier Creek within the Harker Heights city limits at least quarterly for illicit discharges. The City of Harker Heights plans to use the same type of BMP's generated by the Nolan Creek stakeholder committee for Trimmier Creek to continue reducing the Nonpoint Source e-coli levels. A Watershed Coordinator has been hired by the City of Nolanville to coordinate the efforts of the Nolan Creek stakeholder committee and compliance with the Nolan Creek Watershed Protection Plan. The stakeholder committee met with the Nolan Creek Watershed Coordinator on August 22, 2025.

3. Describe the implementation of targeted controls if the small MS4 discharges to an impaired water body with an approved TMDL.

   N/A

4. Report the benchmark identified by the MS4 and assessment activities: **N/A**

Benchmark Parameter ***(Ex: Total Suspended Solids)***	**Benchmark Value**	**Description of additional sampling or other assessment activities**	**Year(s) conducted**

5. Provide an analysis of how the selected BMPs will be effective in contributing to achieving the benchmark: **N/A**

Benchmark Parameter	**Selected BMP**	**Contribution to achieving Benchmark**

6. If applicable, report on focused BMPs to address impairment for bacteria:

Description of bacteria-focused BMP	Comments/Discussion
Develop Brochures and Distribute to the Public.	Educational brochures are mailed to every resident and business in the City. The brochures inform residents of the proper use and disposal of potential contaminants and how they impact the Stormwater system. Most residents will voluntarily comply once they know the right procedure to follow.
Develop a Sampling, Testing and Data Collection Plan to Aid in Identifying/Eliminating E-Coli Contaminant Sources.	The City of Harker Heights Wastewater Plant has collected quarterly data for Nolan Creek/South Nolan Creek. The Brazos River Authority (BRA) and the City have collected quarterly data for Trimmier Creek.
Targeted Facilities Review.	Frequent inspection of wastewater facilities including lift stations, air release valves on force mains and trunk sewer mains in remote locations. Repeat sanitary sewer overflows (SSO's) in the wastewater collection system are included on a sewer line increased frequency cleaning list until permanent repair/replacement can be made. To reduce SSO's and increase capacity in the wastewater collection system, a minimum of 15% of the total collection system is cleaned with the Vactor-Jetrodder annually.
Seek Public Input on City Facilities and O&M.	A Stormwater Hotline for normal business hours, after regular hours, weekends and holidays, is posted on the City Stormwater website for reporting pollution in the Stormwater system.

7. Assess the progress to determine BMP's effectiveness in achieving the benchmark.

   For example, the MS4 may use the following benchmark indicators:

   - number of sources identified or eliminated;
   - number of illegal dumpings;
   - increase in illegal dumping reported;
   - number of educational opportunities conducted;
   - reductions in sanitary sewer flows (SSOs); or
   - increase in illegal discharge detection through dry screening.

Benchmark Indicator	Description/Comments
N/A	

E. Stormwater Activities

Describe activities planned for the next reporting year:

MCM(s)	BMP	Stormwater Activity	Description/Comments
1: Public Education, Outreach and Involvement	1-1. Designated Stormwater Coordinator (SWC)	The Public Works Director is currently the Stormwater Coordinator who oversees all aspects of the Stormwater Management Plan (SWMP).	The SWC works with all City departments to coordinate implementation of applicable BMP's, coordinate implementation of all BMP's, coordinate permit compliance and reporting and oversee all aspects of the SWMP.

MCM(s)	BMP	Stormwater Activity	Description/Comments
1: Public Education, Outreach	1-2. Stormwater Information on the City's Website.	Post a full copy of the current SWMP and annual report. Add electronic map of the Outfall and Receiving Waters as described in MCM2. Add a description and links to the Watershed Protection Plan prepared for Nolan Creek/South Nolan Creek and TCEQ's webpage describing the project. Update for "Stormwater Best Management Practices to be implemented in the City of Harker Heights during the upcoming year"	Increasing transparency and identifying location of resources for the City's stormwater system will allow the City to enhance education of our residents.
1: Public Education, Outreach	1-3. Stormwater Committee	Ensure compliance with the selected BMP's, track BMP implementation and documentation. Solicit input from the public and stakeholders. Hold the eighteenth annual meeting in 2026, track meeting attendance, agendas, and potential issues, initiatives and decisions.	Maintain a Stormwater Committee consisting of the Stormwater Coordinator, Council Member(s), and at least one appointed member from each of the following departments: Engineering, Water, Wastewater, Streets & Draiange, Planning, and Code Enforcement/Permitting. Hold meetings to discuss stormwater quality issues as needed but at least once per permit year.

MCM(s)	BMP	Stormwater Activity	Description/Comments
1: Public Education, Outreach	1-4. Develop Brochures and Distribute to the Public. (Brochure #19)	Develop and distribute a brochure to educate the public. Record the means of distribution and the number of brochures distributed. Establish & maintain a list of brochures.	Continue to educate the public on a variety of subjects such as an explanation of a Stormwater system, household hazardous waste, illicit discharges, improper disposal of contaminants, and other stormwater issues of concern.
1: Public Education, Outreach	1-5. Distribute Fact Sheet on Pet Waste.	Update & distribute the fact sheet on pet waste once per year.	Distribution of a fact sheet on pet waste will increase education & visibility on proper handling & disposal of pet waste. Which may lead to a decrease in pet waste within our watercourses.
1: Public Education, Outreach	1-6. Hold Annual Household Hazardous Waste Day. (HHW)	The City shall hold or coordinate with the Central Texas Council of Governments (CTCOG) or other entities to hold at least 1 HHW event annually. Make the HHW event available to Harker Heights residents.	The HHW events provide a free drop off location for proper household hazardous waste disposal.
1: Public Education, Outreach	1-7. Install and Maintain Signs at Key Stormwater Outfalls.	Maintain existing signs and install one new sign each year. Record number of signs installed and locations.	Install and maintain signs identifying major stormwater outfalls having public access to inform the public of stream destinations.

MCM(s)	BMP	Stormwater Activity	Description/Comments
1: Public Education, Outreach	1-8. Youth Group to Stencil Catch Basins and Flumes	Ongoing program, contact at least four youth groups. Stencil 25 catch basins and/or flumes per year throughout the permit term. Minimum of 15% documented annual inspection once all are marked. Record locations installed.	Make contacts in the spring and arrange for stenciling to occur in the summer or fall. Contact Boy and Girl Scout troops, Church groups, and other youth groups for assistance in stenciling catch basins and flumes with the message "Don't Pollute, Flows to Waterways."
1: Public Education, Outreach	1-9. Social Media Campaigns and Posts	Make a minimum of one post per quarter and all quarterly posts must be visible by attendees for the full year.	Develop campaigns in year 1.
2: Public Involvement / Participation	2-1. Comply with State Public Notification Guidelines.	Submit a copy of the notice and publisher's affidavit to the TCEQ Chief Clerk within 60 days of notice.	The City complied with the public participation requirements of Part II.E.12 of General Permit No. TX040000.
2: Public Involvement / Participation	2-2. Public Meeting for Input on the SWMP Program Implementation	Develop and implement a tracking system to estimate what percentage of the intended audience is reached for determining BMP effectiveness.	The public has the opportunity for comments at Planning and Zoning Commission and City Council meetings. Hold this meeting at least once per permit year.

MCM(s)	BMP	Stormwater Activity	Description/Comments
2: Public Involvement / Participation	2-3. Volunteer Water Quality Monitoring	Monitoring must be conducted at a minimum once each year.	Hold or support a minimum one event annually each permit year.
2: Public Involvement / Participation	2-4. Educational Outreach	Provide or support one booth or display at minimum annually each permit year.	Provide information or displays that work to improve public understanding of issues related to water quality. Topics should be tailored to specific communities and children.
3: Illicit Discharge Detection and Elimination	3-1. Map Outfalls and Receiving Waters.	The electronic map of the Stormwater system will be updated as necessary. Determine priorities areas and add to the map as necessary. In year 1: add wetlands, critical environmental features, endangered aquatic species and priority areas. Add an electronic map or link an online mapper to City of Harker Heights' Stormwater webpage.	Ongoing development and maintenance of the electronic map to incorporate any newly discovered information and developments and changes in the storm sewer system. Match timeline of discoveries and developments once per year of the permit term.

MCM(s)	BMP	Stormwater Activity	Description/Comments
3: Illicit Discharge Detection and Elimination	3-2. Review and Develop Stormwater Related Ordinances.	Provide a yearly update review of existing stormwater related ordinances for appropriateness and effectiveness. If modifications are needed, prepare storm sewer ordinances and present them to the City Council. Maintain a record of these ordinance modifications.	Within two years from the permit effective date, the City shall review and revise, if needed, relevant ordinance(s) or other regulatory mechanism(s), or adopt a new ordinance(s) or other regulatory mechanism(s) that provides the permittee with adequate legal authority to control pollutant discharges into and from its MS4 in order to meet the requirements of the GP. Any revisions will be presented to the City Council.
3: Illicit Discharge Detection and Elimination	3-3. Program for Dry Weather Screening of Outfalls.	Record findings, source detection efforts and results and source removal efforts and results.	Conduct dry weather screening of 12 outfalls per permit year.

MCM(s)	BMP	Stormwater Activity	Description/Comments
3: Illicit Discharge Detection and Elimination	3-4. Review and Improve the Procedural System for Detecting and Eliminating Illicit Discharges	Detect and remove illicit connections as they are found. Develop procedures for tracing the source of an illicit discharge and removing the source. Update policies and procedures from successes and failures or lessons learned as necessary. Follow-up investigations should be scheduled until the problem is resolved. Respond to 100% of known illicit discharges and illegal dumping incidents each year to investigate sources. Respond to 100% of high priority discharges each year, such as sanitary sewer discharges within 24 hours.	Review discharge detection system and update procedures during each permit year. Record findings, source detection efforts and results, and source removal efforts and results. Notify TCEQ immediately if 100% of illicit flows believed to be an immediate threat to human health or the environment each permit year.

MCM(s)	BMP	Stormwater Activity	Description/Comments
3: Illicit Discharge Detection and Elimination	3-5. Training for City Employees.	Periodic training updates will be provided to City employees to match changes to City procedures and stormwater discharge issues. New Department of Public Works field employees receive full training.	Train existing employees each year of the permit term. Provide full training to new Public Works and field employees in their first year of employment. Update Training Manual once per year during permit term to incorporate changes in the field screening techniques and detection/elimination procedures.

MCM(s)	BMP	Stormwater Activity	Description/Comments
3: Illicit Discharge Detection and Elimination	3-6. Develop System for Public to Report and Comment on Illicit Stormwater Sightings and Issues.	The public reporting hotline must be publicized on the website 100% of the time during the permit term. Provide email addresses for contacting the SWC on the City's website and on educational outreach materials to inform the public of these communication channels for stormwater related issues. Develop and implement a tracking system to estimate what percentage of the intended audience is reached for determining BMP effectiveness.	The Stormwater Hotline provides the public with a direct way to notify the City concerning potential problems in the stormwater system. Publicize the hotline a minimum of two times annually in a method designed to reach the majority of the intended audience.

MCM(s)	BMP	Stormwater Activity	Description/Comments
3: Illicit Discharge Detection and Elimination	3-7. Maintain Location-Based Stormwater Related Data	Maintain and update records regarding dry creek screenings, public complaints, testing, illicit discharges, investigations, resolution actions, and outcomes related to stormwater issues in the city's drainage areas. Continue to collect and develop inventories of septic tank systems and other potential bacterial nutrient and contaminant sources within the city's drainage areas.	Acquire and organize the data and update it for location-based use once each year of the permit period. Incorporate the information into procedures for preventing and correcting illicit stormwater discharges in the city drainage basins throughout the permit period.

MCM(s)	BMP	Stormwater Activity	Description/Comments
3: Illicit Discharge Detection and Elimination	3-8. Sampling, Testing and Data Collection Plan to Aid in Identifying/Eliminating Contaminant Sources.	Continue Sampling and Testing Plan at selected locations, assess the information for possible additional sampling and testing, and analyze the data for potential source types and locations. Other procedures are in place to verify any illicit discharge source and eliminate the problem.	Review sampling plan and site locations in year 1. Continue quarterly program. Select additional sites for identical sampling and testing in years 1 and 2 of the permit term. Use the data and existing procedures and inspect, detect and correct any identified illicit discharges during each permit year. The annual report must include information on compliance with the discharges directly to impaired water bodies including results of any sampling conducted by the permittee.
4: Construction Site Stormwater Runoff Control	4-1. Review Chapter 155 (Section 200, Building Permits) and Chapter 156: Erosion and Sedimentation Ordinance and Make Changes as Appropriate to Comply with Permit.	Review and prepare modifications or revisions to meet all requirements of both the TXR150000 for construction activities and TXR040000 for Phase II (Small) MS4s small in Texas General Permits.	Review Building Permits and Erosion and Sedimentation Ordinance and present any revisions to the City Council for passage in year 3 and year 5 of the permit term.

MCM(s)	BMP	Stormwater Activity	Description/Comments
4: Construction Site Stormwater Runoff Control	4-2. Verify Procedures in Place Related to Construction Projects.	Review construction site plans, inspect construction sites, and enforce control measures; receive and consider information submitted by the public related to construction sites. Provide a file for each construction site review. Train designated Public Works Department staff to develop and implement ordinances, programs and procedures training materials. Maintain one webpage, hotline, or similar method for receipt of information submitted by the public throughout the permit term.	Review the existing ordinances, programs, procedures, and training regarding construction sites and stormwater for compliance with the 2023 Construction GP TXR150000 during years 1 and 2 of the permit term. Review City Standard Details and SWP3 General Notes as related to the new construction GP. Review and update procedures for the receipt & consideration of information submitted by the public to address changes and make improvements to the established procedures where applicable. Update procedures based on information submitted by the public at least one time annually.

MCM(s)	BMP	Stormwater Activity	Description/Comments
4: Construction Site Stormwater Runoff Control	4-3. Construction Site Inspections.	Conduct inspections at a minimum of 80% of active construction sites annually according to the established procedures. Conduct follow-up inspections where necessary. Hold routine staff meetings to collaborate on non-compliance and unusual site issues.	City stormwater inspection staff are encouraged to pursue a Certified Professional in Erosion and Sediment Control (CPESC), Certified Erosion, Sediment and Stormwater Inspector (CESSWI), Certified Professional in Stormwater Inspection (CPSWI) certification, Certified Inspector of Sediment and Erosion Control (CISEC), Qualified Erosion and Sediment Control Inspector (QESI) or alternate certification as approved by the SWC. Review and update inspection procedures at least one time annually to address changes and make improvements to the established procedures where applicable.

MCM(s)	BMP	Stormwater Activity	Description/Comments
5: Post-Construction Stormwater Management in New Development and Redevelopment	5-1. Comprehensive Description of Post-Construction Stormwater Management Program.	Update the comprehensive description of the Post-Construction Stormwater Management Program.	Information will be compiled and a description of the program will be developed during years 1 and 2 of the permit term.
5: Post-Construction Stormwater Management in New Development and Redevelopment	5-2. Developer Guidance Document.	Maintain and distribute Developer Guidance Document including flow chart clarifying the aspects of the entire ongoing development process in Harker Heights, ordinance and requirement guide or references, and related City contact information.	Review and update information in the guidance document in each permit year.
5: Post-Construction Stormwater Management in New Development and Redevelopment	5-3. Develop Materials Promoting the Reduction of Stormwater Runoff and Pollutants	Develop informational brochures/packages and videos for distribution to target groups and promote a reduction in stormwater and pollutants reaching drainageways. Topics should include landscape design, xeriscaping, yard waste reuse, composting, sources and control of pollutants.	Develop an information brochure/package/video on a separate topic target for each year of the permit term. As the media is developed, record distribution of the materials and feature on the City website throughout the permit term.

MCM(s)	BMP	Stormwater Activity	Description/Comments
6: Pollution Prevention & Good Housekeeping for Municipal Operations	6-1. City Staff Training on Stormwater Management	Provide annual training plan and program for the Public Works Department field employees and utilize the developed stormwater training materials to enhance the ongoing growth of field staff stormwater knowledge.	Review and optimize the existing stormwater related training plan for field staff in year 1 of the permit period. Training materials will be available to employees and training on current information and/or updates will be provided annually throughout the permit term.
6: Pollution Prevention & Good Housekeeping for Municipal Operations	6-2. City Facility O&M Program and Inventory.	If BMPs include structural controls, maintenance of the controls must be performed at a frequency determined by the MS4 operator and be consistent with maintaining the effectiveness of the BMP and pollution prevention. Utilize field staff to inspect/survey City facilities and O&M activities to contribute information to inventory.	Review information categories to be inventoried in year 1 of the permit term. Existing records and knowledge in addition to reports from field staff inspections and surveys will supply inventory data throughout the permit term. Analysis of the data may result in O&M adjustments and potential need for additional stormwater controls, or to address changes and additions to the facilities and controls throughout the permit term. Update the Facility O&M Program annually in years 2, 3, 4, and 5 of the permit term.

MCM(s)	BMP	Stormwater Activity	Description/Comments
6: Pollution Prevention & Good Housekeeping for Municipal Operations	6-3. Targeted Wastewater Facilities Review.	Devise a plan to survey the entire wastewater system systematically using field inspections and public reports to identify potential sources of wastewater/bacteria exposure to stormwater and record the findings. Perform a follow-up of the reports with a plan for any needed corrective action. Follow the BMPs, sampling schedules and requirements as described in the Wastewater Treatment Plant SWP3 plan.	Complete a new wastewater facilities survey plan in year 1 of the permit. Field personnel will survey and report on the wastewater facilities throughout the permit term. Public reporting input will be sought throughout the permit term. Opportunities for removing stormwater wastewater discharges will be assessed for corrective action as they are identified throughout the permit term. Comply with the stormwater sampling, inspections, trainings, annual reviews, and other requirements for the treatment facility site as described in the SWP3 plan.
6: Pollution Prevention & Good Housekeeping for Municipal Operations	6-4. Seek Public Input on City Facilities and O&M.	Facilitate adoption of features in outreach materials and on the City website that seek out increased public awareness of City facilities and O&M practices and reporting of any potential failures, malfunctions, and opportunities for improvements.	Incorporate the request for public awareness and reporting on City facilities and O&M practices in outreach materials, social media and on the City's website. Update public input outreach once each permit year.

MCM(s)	BMP	Stormwater Activity	Description/Comments
6: Pollution Prevention & Good Housekeeping for Municipal Operations	6-5. Pollution Prevention Measures.	Implement at least two of the following pollution prevention measures: • Replace at least 50% of the MS4's materials and chemicals with more environmentally friendly materials or methods by the end of the permit term; • Track 100% of the application of deicing and anti-icing compounds in the MS4 area and record the amount of compound used for each application annually; • Use suspended tarps, booms, or vacuums to capture paint, solvents, rust, paint chips and other pollutants during 80% of regular bridge maintenance each year; & • Place barriers around or conduct runoff away from 100% of deicing chemical storage areas to prevent discharge into surface waters each year.	Develop and implement a set of pollution prevention measures that will reduce the discharge of pollutants in stormwater from the MS4 owned operations.

MCM(s)	BMP	Stormwater Activity	Description/Comments
6: Pollution Prevention & Good Housekeeping for Municipal Operations	6-6. Assessment of City Owned Operations	Assess 100 percent of City Owner Operations.	Conduct assessments once per year during the permit term.
6: Pollution Prevention & Good Housekeeping for Municipal Operations	6-7. BMP Hired Contractors	Ensure that all contractors hired by the MS4 on permittee owned facilities are contractually required to comply with all of the stormwater control measures, good housekeeping practices, and facility specific stormwater management operating procedures. Implement oversight procedures of contractor activities in all contracts to ensure that contractors are using appropriate control measures and SOPs each year.	Review annually. Oversight procedures must be maintained on-site and made available for review by TCEQ within 24 hours of request.
6: Pollution Prevention & Good Housekeeping for Municipal Operations	6-8. Identify Pollutants of Concern	Identify MS4 pollutants and compile a complete list.	Review and update the pollutants of concern list at least once annually to address changes or additions to the operation and maintenance activities where applicable.

MCM(s)	BMP	Stormwater Activity	Description/Comments
6: Pollution Prevention & Good Housekeeping for Municipal Operations	6-9. Structural Control Measures.	Perform inspections on all of the structural controls and maintenance as necessary.	Review and update the maintenance procedures at least one time annually to address changes or additions to the pollution prevention measures

F. SWMP Modifications

1. The SWMP and MCM implementation procedures are reviewed each year.

   _X_ Yes ____ No

2. Changes have been made or are proposed to the SWMP since the NOI or the last annual report, including changes in response to TCEQ's review.

   ____ Yes _X_ No

   If "Yes," report on changes made to measurable goals and BMPs:

MCM(s)	Measurable Goal(s) or BMP(s)	Implemented or Proposed Changes (Submit NOC as needed)

Note: If changes include additions or substitutions of BMPs, include a written analysis explaining why the original BMP is ineffective or not feasible, and why the replacement BMP is expected to achieve the goals of the original BMP.

3. Explain additional changes or proposed changes not previously mentioned (i.e. dates, contacts, procedures, annexation of land, etc.).

   As reported in the 2017 Annual Stormwater Report, in January 2016, the City of Harker Heights annexed 155.08 acres of land along the southern side of the City. Additionally, in 2020 the City of Harker Heights annexed 2.806 acres of land along Warriors Path.

G. Additional BMPs for TMDLs and I-Plans

Provide a description and schedule for implementation of additional BMPs that may be necessary, based on monitoring results, to ensure compliance with applicable TMDLs and implementation plans.

BMP	Description	Implementation Schedule (start date, etc.)	Status/Completion Date (completed, in progress, not started)
N/A	N/A	N/A	N/A

H. Additional Information

1. Is the permittee relying on another entity to satisfy any permit obligations?

   _X_Yes ____ No

   If "Yes," provide the name(s) of other entities and an explanation of their responsibilities (add more spaces or pages if needed).

   Name and Explanation:

   The City of Harker Heights has partnered with the Texas Institute for Applied Environmental Research (TIAER) along with the TCEQ to improve water quality in Nolan Creek/South Nolan Creek to remove the stream from the 303(d) list for e-coli bacterial impairment. The City of Harker Heights has also partnered with the Brazos River Authority (BRA) Clean Rivers Program to improve water quality in Trimmier Creek to remove the stream from the 303(d) list for e-coli bacterial impairment. Trimmier Creek Segment ID 1216A was removed from the 2014 303(d) list for bacterial impairment. The City will be utilizing quarterly e-coli data from City limit upstream and downstream locations from each of the entities' sampling stations.
   A Watershed Coordinator has been hired by the City of Nolanville to coordinate the efforts of the Nolan Creek stakeholder committee and compliance with the Nolan Creek Watershed Protection Plan. The stakeholder committee met with the Nolan Creek Watershed Coordinator on August 22, 2025.

2.a. Is the permittee part of a group sharing a SWMP with other entities?

___ Yes _X_ No

2.b. If "yes," is this a system-wide annual report including information for all permittees?

___ Yes _X_ No

If "Yes," list all associated authorization numbers, permittee names, and SWMP responsibilities of each member (add additional spaces or pages if needed):

Authorization Number: _____ Permittee:_____

Authorization Number: _____ Permittee: _____

Authorization Number: _____ Permittee: _____

Authorization Number: _____ Permittee: _____

I. Construction Activities

1. The number of construction activities that occurred in the jurisdictional area of the MS4 (Large and Small Site Notices submitted by construction site operators):

   From 01/01/2025 to 09/23/2025 there were 3 new Erosion & Sediment Control permits issued by City and the TCEQ showed no permits during that same period. As of 12/11/2025 the TCEQ shows 218 unique sites with an approved construction stormwater permit.

2a. Does the permittee utilize the optional seventh MCM related to construction?

___ Yes _X_ No

2b. If "yes," then provide the following information for this permit year:

The number of municipal construction activities authorized under this general permit	
The total number of acres disturbed for municipal construction projects	

Note: *Though the seventh MCM is optional, implementation must be requested on the NOI or on a NOC and approved by the TCEQ.*

J. Certification

If this is this a system-wide annual report including information for all permittees, each permittee shall sign and certify the annual report in accordance with 30 TAC §305.128 (relating to Signatories to Reports).

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

Name (printed): Michael Blomquist Title: Mayor

Signature: Michael L. Blomquist Date: 12.15.2025

Name of MS4: City of Harker Heights

If you have questions on how to fill out this form or about the Stormwater Permitting program, please contact us at 512-239-4671.

Individuals are entitled to request and review their personal information that the agency gathers on its forms. They may also have any errors in their information corrected. To review such information, contact us at 512-239-3282.

Kristina Ramirez

From: Regan White <Regan.White@tceq.texas.gov>
Sent: Tuesday, December 12, 2023 1:47 PM
To: Mark Hyde
Subject: RE: Renewal of the Phase II Municipal Separate Storm Sewer System (MS4) General Permit, TXR040000

Hello Mark,

The renewal date for the TXR040000 has been extended until August 2024. This is a very new update, so nothing has been posted just yet but we will be updating our websites with details and if you are signed up for the Advocate we will be sending a advocate article soon about this extension. You can keep checking our General Permit TXR040000 for Phase II (Small) MS4s webpage for updates.

Have a good day,

Regan White
TCEQ Small Business and Local Government Assistance
Region 9 – Waco Office
☎: (254) 761-3039 | Confidential Hotline: (800) 447-2827
www.TexasEnviroHelp.org

From: Mark Hyde <mhyde@harkerheights.gov>
Sent: Monday, December 11, 2023 5:56 PM
To: Regan White <Regan.White@tceq.texas.gov>
Subject: Renewal of the Phase II Municipal Separate Storm Sewer System (MS4) General Permit, TXR040000

Good Evening Regan,

The City of Harker Heights current MS4 permit TXR040000 expires on January 23, 2024. To date, we have not received any renewal information or the pending status of the general permit renewal from TCEQ. Do you have any information on the renewal deadline?

Mark Hyde
Public Works Director
City of Harker Heights | 305 Miller's Crossing | Harker Heights, TX 76548
T: 254-953-5641 | F: 254-953-5605 | mhyde@harkerheights.gov

Vision: Providing public services that empower people to focus on what matters most: their goals, hopes and dreams.

Kristina Ramirez

From: Mark Hyde
Sent: Tuesday, February 25, 2025 1:09 PM
To: Cari Harrington
Cc: Kristina Ramirez
Subject: RE: MS4 Phase 2 NOI for CN600509277

Thank you, Cari!

Mark Hyde
Assistant City Manager
City of Harker Heights | 305 Miller's Crossing | Harker Heights, TX 76548
T: 254-953-5641 | F: 254-953-5605 | mhyde@harkerheights.gov

Vision: Providing public services that empower people to focus on what matters most: their goals, hopes and dreams.

From: SWGP <SWGP@tceq.texas.gov>
Sent: Tuesday, February 25, 2025 12:33 PM
To: Cari Harrington <cari@h2ogeotx.com>; SWGP <SWGP@tceq.texas.gov>
Cc: Mark Hyde <mhyde@harkerheights.gov>; Kristina Ramirez <kramirez@harkerheights.gov>; Rebecca Villalba <rebecca.villalba@tceq.texas.gov>
Subject: RE: MS4 Phase 2 NOI for CN600509277

Hi Cari,

Thank you for your patience. Our records indicate that the City of Harker Heights MS4 has submitted their application by the February 11th deadline. No further action is required from the MS4 at this time. A TCEQ staff member may reach out to you if additional information is needed during the administrative review of the application.

Please feel free to contact me should you have any further questions.

Best Regards,

Monica A. Alba Garcia
She/Her/Hers
Environmental Permit Specialist III
Water Quality Division - Stormwater Team
Texas Commission on Environmental Quality
P: (512) 239-4543

How is our customer service? Fill out our online customer satisfaction survey at www.tceq.texas.gov/customersurvey

From: Cari Harrington <cari@h2ogeotx.com>
Sent: Friday, February 21, 2025 7:31 AM
To: SWGP <SWGP@tceq.texas.gov>
Cc: Mark Hyde <mhyde@harkerheights.gov>; Kristina Ramirez <kramirez@harkerheights.gov>
Subject: MS4 Phase 2 NOI for CN600509277

Going morning,

An NOI was submitted for NPDES ID TXR040011 - City of Harker Heights.
The status on NeT-MS4 shows on hold. The comment reads "Texas NOIs require State RA approval"
Can you please let us know what actions need to be taken to obtain approval?
Thank you

Cari Harrington, CPESC, CFM
512-785-9801

www.h2ogeotx.com

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Texas Pollutant Discharge Elimination System

Small Municipal Separate Storm Sewer System (MS4) General Permit

The Notice of Intent (NOI) for the Small MS4 listed below was received on September 22, 2025. The intent to discharge stormwater associated with the Small MS4 under the terms and conditions imposed by the Texas Pollutant Discharge Elimination System (TPDES) Small MS4 General Permit TXR040000 is authorized. This authorization includes discharges from municipal construction sites under the seventh control measure. The MS4 Operator's TPDES Small MS4 General Permit authorization number is:

TXR040011

Coverage Effective: September 23, 2025

MS4 Level: Level 2a

TCEQ's Small MS4 General Permit requires certain stormwater pollution prevention and control measures, possible monitoring and reporting, and periodic inspections. Among the conditions and requirements of this permit, you must have prepared and implemented a stormwater management program (SWMP) that is tailored to your MS4. As an MS4 authorized to discharge under the Small MS4 General Permit, all terms and conditions must be complied with to maintain coverage and avoid possible penalties. A copy of this document should be kept with your SWMP.

PROJECT/SITE INFORMATION:
RN105477251
CITY OF HARKER HEIGHTS MS4
AREA WITHIN CITY OF HARKER HEIGHTS LIMITS THAT IS LOCATED WITHIN THE KILLEEN URBAN AREA
HARKER HEIGHTS, TX 76548
BELL COUNTY

OPERATOR:
CN600509277
CITY OF HARKER HEIGHTS
305 MILLLERS CROSSING
HARKER HEIGHTS, TX 76548

The Small MS4 General Permit and all authorizations expire on August 14, 2029 unless otherwise amended. For technical questions, you may contact the Stormwater Technical Staff at swgp@tceq.texas.gov or by telephone at (512) 239-4671. Also, you may obtain general permit information about your authorization on the TCEQ website at https://www2.tceq.texas.gov/wq_dpa/.

Issued Date: September 23, 2025

FOR THE COMMISSION

B-1-1-3

2025 Stormwater Pollution Prevention

Stormwater runoff occurs when precipitation from rain flows over the ground. Impervious surfaces like driveways, sidewalks, and streets prevent stormwater runoff from naturally soaking into the ground. Stormwater can pick up debris, chemicals, dirt, and other pollutants and flow into a storm sewer system or directly to a lake, stream, or river. Anything that enters a storm sewer system is discharged untreated into the water bodies we use for swimming, fishing, and providing drinking water. Polluted stormwater often affects drinking water sources. This, in turn, can affect human health and increase drinking water treatment costs.

Stormwater Hotline

Report pollution in the City's stormwater system.
Mon.-Thur. 7:00am - 6:00pm
Normal Business Hours:
(254)953-5649 Holidays, weekends and after 6:00pm weekdays:
(254) 319-4996

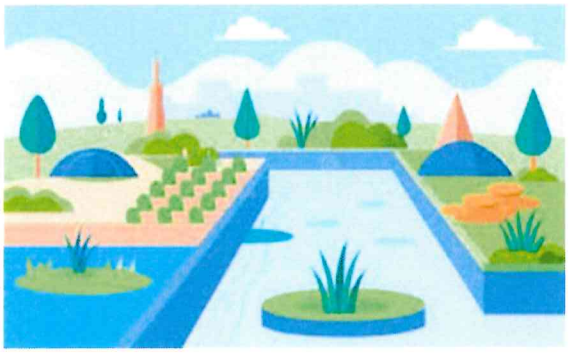
Take notice of these markers, they are there for the protection of our water source

§ 90.05

Animal Waste. The owner of every animal shall make sanitary disposal of any excreta deposited by his animal on the public walks, streets, recreation areas, or upon private property not within the control, possession, or supervision of owner

STORMWATER MANAGEMENT

Stormwater management practices help control nonpoint source pollution through the use of nonstructural and/or structural techniques to intercept surface runoff from developed areas, filter and treat this runoff, and then discharge it at a controlled rate. Stormwater quality is governed by the accumulation of pollutants on the entire surface area. As the use of chemicals around the homes increased, the more degraded the stormwater runoff from your property will be.



YEAR 18 2025

Stormwater

On September 14, 1998, the Texas Commission on Environmental Quality (TCEQ) received full authorization for the Texas Pollutant Discharge Elimination Program (TPDES). Cities were grouped into a phased approach for stormwater permitting.

Municipal Separate Storm Sewer Systems (MS4's) with a population of 100,000 or greater as of the 1990 Census were grouped into Phase I.

The City of Harker Heights is an MS4 with a population of less than 100,000 as of the 1990 Census and was grouped into Phase II.

TCEQ issued the Phase II, MS4 General Permit August 13, 2007. All Phase II cities operated under the 2007 General Permit until each city developed its own Stormwater Management Program (SWMP).

The City of Harker Heights has completed the 5-year SWMP ending January 23, 2024.

The current SWMP 09-23-25 through 08-14-29 is available for viewing on this website.

For 2026, Stormwater Best Management Practices to be implemented in the City of Harker Heights include the following:

- Public education on stormwater related information.
- Ongoing city wide street sweeping.
- Community Participation-Storm Drain Catch Basin Markers.
- Hold an area Household Hazardous Waste Day.
- Dry Weather Screening of Outfalls.
- Site Inspections and Enforcement.
- Remedy illicit connections.
- Implement the Catch Basin Cleaning Program.
- Implement the Detention Pond Inlet and Trash Rack Cleaning Program.
- Employee Training.
- Review stormwater related ordinances.
- Provide a stormwater page on the City Website.
- Seek public input on city facilities and operations/maintenance of facilities relating to stormwater.
- Conduct quarterly sampling for e-coli bacteria levels along Nolan Creek and Trimmier Creek.

Click here to view the Harker Heights Stormwater Management Plan

STORMWATER RUNOFF

Stormwater runoff occurs when precipitation from rain flows over the ground. Impervious surfaces like driveways, sidewalks, and streets prevent stormwater runoff from naturally soaking into the ground. Stormwater can pick up debris, chemicals, dirt, and other pollutants and flow into a storm sewer system or directly to a lake, stream or river. Anything that enters a storm sewer system is discharge untreated into the water bodies we use for swimming, fishing and providing drinking water.
Polluted stormwater often affects drinking water sources. This, in turn, can affect human health and increase drinking water treatment costs.

STORMWATER Hotline
Report pollution in the City's stormwater system.
Monday - Thursday 7:00am -6:00pm Normal Business Hours: (254) 953-5649
Afterhours, holidays and weekend: (254) 319-4996

STORMWATER POLLUTION
Easy Ways to Protect our Water:
1. Limit use of fertilizers and pesticides
2. Properly use and dispose of hazardous products
3. Clean up after your pet
4. Don't litter
5. Dispose of Yard Waste Properly

City Facility Operation and Maintenance
Report city operation failures in the storm water system call the Stormwater Hotline
Monday - Friday 8:00am -5:00pm Normal Business Hours: (254) 953-5649
Holidays, weekends and after 5:00pm weekdays: (254) 319-4996

STORMWATER MANAGEMENT
Stormwater management practices help control nonpoint source pollution through the use of nonstructural and/or structural techniques to intercept surface runoff from developed areas, filter and treat this runoff, and then discharge it at a controlled rate. Stormwater quality is governed by the accumulation of pollutants on the entire surface area. As the use of chemicals around the homes increased, the more degraded the stormwater runoff from your property will be.

1. Limit the amount of impervious surfaces in your landscape.

2. Allow "thick" vegetation or "buffer strips" to grow alongside waterways to filter and slow runoff and soak up pollutants.
3. Plant trees, shrubs, and groundcover.

FOR MORE INFORMATION VISIT:
U.S. Environmental Protection Agency Web sites:
www.epa.gov/npdes/stormwater or www.epa.gov/nps

Or view our brochures:
Stormwater Brochure 1
Stormwater Brochure 2
Stormwater Brochure 3
Stormwater Brochure 4
Stormwater Brochure 5
Stormwater Brochure 6
Stormwater Brochure 7
Stormwater Brochure 8
Stormwater Brochure 9
Stormwater Brochure 10
Stormwater Brochure 11
Stormwater Brochure 12
Stormwater Brochure 13
Stormwater Brochure 14
Stormwater Brochure 15
Stormwater Brochure 16
Stormwater Brochure 17
Stormwater Brochure 18
Composting Tips
Tips for Landscape Design
No Grease Down the Drain
No leaves or grass in the drain
Xeriscaping Tips

Quick Links

Public Works
Announcements
Backflow Prevention
Lead and Copper
Water
Water Conservation
Waste Water
City Fleet Maintenance
Drainage
Drainage Criteria Manual
Drainage Master Plan
Garbage Routes And Pick Up
Household Hazardous Waste Events 2025
Fats, Oils, and Greases
Recycling Drop Center
Report Power Outages
Report Streetlight Outages
Sanitary Sewers
Standard Drawings
Septic Systems
Solid Waste
Stormwater
Street Repair
Waste Management

City of Harker Heights

Providing public services that empower people to focus on what matters most: their goals, hopes, and dreams.

Community

Garbage & Recycling Services
Emergency Management
Employment
City Forms

Local Government

Mayor & City Council
City Council Meetings
Economic Development
Code of Ordinances

Contacts

ContactUs@HarkerHeights.Gov
+254.953.5600
305 Millers Crossing
Harker Heights, TX. 76548

The City of Harker Heights

Pet Waste and Water Quality

Help Protect Our Water

When you clean up after your pet, if you leave the waste in the street, storm sewer, on the sidewalk or in the grass near the street, you may be causing pollution or health problems.

Pet owners or anyone who takes your pet for walks, must dispose of the waste by picking it up and placing it in the trash or flushing it unwrapped down the toilet.

When pet waste is disposed of improperly, your health may be at risk. Children who play outside are most at risk for infection from some of the bacteria and parasites found in pet waste. Flies may also spread diseases from animal waste.

According to the City of Harker Heights Ordinance:

§ 90.05 ANIMAL WASTE.

The owner of every animal shall make sanitary disposal of any excreta deposited by his animal on public walks, streets, recreation areas, or upon private property not within the control, possession, or supervision of said owner.

Clean water is important to our families, our environment and our quality of life.

Thank you for doing your part to keep Texas clean.

Kristina Ramirez

From: Mark Hyde
Sent: Monday, December 15, 2025 9:03 AM
To: Kristina Ramirez
Subject: FW: Question

Mark Hyde
Assistant City Manager
City of Harker Heights | 305 Miller's Crossing | Harker Heights, TX 76548
T: 254-953-5641 | F: 254-953-5605 | mhyde@harkerheights.gov

Vision: Providing public services that empower people to focus on what matters most: their goals, hopes and dreams.

From: Kristina Roach <kroach@harkerheights.gov>
Sent: Wednesday, December 3, 2025 5:14 PM
To: Mark Hyde <mhyde@harkerheights.gov>
Subject: FW: Question

Kristina Roach
Public Works Administrative Assistant
City of Harker Heights | 305 Miller's Crossing | Harker Heights, TX 76548
T: 254-953-5649 | kroach@harkerheights.gov

From: Shiloh Wester <swester@harkerheights.gov>
Sent: Tuesday, December 2, 2025 11:44 AM
To: Kristina Roach <kroach@harkerheights.gov>
Subject: RE: Question

Good afternoon,

We have distributed 1,383 pet waste fact sheets so far this year.

Thank you,

Shiloh Wester
Shelter Administrator
Harker Heights Pet Adoption Center | 403 Indian Trail | Harker Heights, TX 76548
T: 254-953-5474 | F: 254-699-2298 | swester@harkerheights.gov

Vision: Providing public services that empower people to focus on what matters most: their goals, hopes and dreams.

From: Kristina Roach <kroach@harkerheights.gov>
Sent: Tuesday, December 2, 2025 9:06 AM
To: Shiloh Wester <swester@harkerheights.gov>
Subject: Question

May I please get the number of the pet waste fact sheets that have been distributed this year so far?
Thank you!!

Kristina Roach
Public Works Administrative Assistant
City of Harker Heights | 305 Miller's Crossing | Harker Heights, TX 76548
T: 254-953-5649 | kroach@harkerheights.gov

B-2-1-4-2

Kristina Ramirez

From: John Fox
Sent: Tuesday, April 1, 2025 8:32 AM
To: Mark Hyde
Cc: Kristina Ramirez
Subject: RE: Additional Stormwater Outfall Sign

Follow Up Flag: Flag for follow up
Flag Status: Flagged

Mark,

Completed. Location is: N. Mary Jo Dr at W. Nolan Trl.

John Fox
Public Works Dept. Street Sign Supervisor
City of Harker Heights | 220 E. Kathey Rd. | Harker Heights, TX 76548
T: 254-699-5610 | F: 254-699-5699 | jfox@harkerheights.gov

Vision: Providing public services that empower people to focus on what matters most: their goals, hopes and dreams.

From: Mark Hyde <mhyde@harkerheights.gov>
Sent: Monday, March 31, 2025 11:44 AM
To: John Fox <jfox@harkerheights.gov>
Cc: Kristina Ramirez <kramirez@harkerheights.gov>
Subject: Additional Stormwater Outfall Sign

John,

We are required to add an additional outfall sign to our City this year. Please find a location and install when you have time.

Thank you,

Mark Hyde
Assistant City Manager
City of Harker Heights | 305 Miller's Crossing | Harker Heights, TX 76548
T: 254-953-5641 | F: 254-953-5605 | mhyde@harkerheights.gov

Vision: Providing public services that empower people to focus on what matters most: their goals, hopes and dreams.

2024 Storm Outfall Signs Locations:

1.N. Ann Blvd. (Cul de Sac)	20. 1003 Chablis Drive
2. E. FM 2410 at WildeWood Drive	21. 2316 Pontiac Drive
3. 1427 Warrior's Path Road	22. 401 Reservation Dr
4. 505 W. Nolan Trail	23. 408 Rain Cloud Trl
5. End of Pecan Drive	
6. End of Granite Trail	
7. 800 Prospector Trail	
8. 499 N. Amy Lane	
9. 3239 Vineyard Trail	
10. 2100 Modoc Drive	
11. Lookout Ridge Blvd at CTE	
12. 561 E. VMB	
13. 750 E. CTE	
14. 1210 Old Nolanville Road	
15. 699 E. VMB	
16. 3422 Shoreline Drive	
17. 400 Janie Drive	
18. 516 Clore Road	
19. 1507 Waco Trace	

NPDES Municipal Separate Stormwater Sewer System (MS4)

My MS4 Regulated Communities

Find MS4 Regulated Community | Does My MS4 Qualify for a Waiver?

Filter MS4s (JavaScript:)

Show 10 entries

Column Visibility

Actions	MS4 Name	NPDES ID	MS4 Identifier	City	Submission Status	Submission Type	Coverage Status	Coverage Type	Certified / Submitted Date	Effective Date	Expiration Date	Last Modified Date
Actions	CITY OF HARKER HEIGHTS MS4 (JavaScript:)	TXR040011	MS4-TX-SM-MU-2008-0254	HARKER HEIGHTS	Approved	Reapplication	Active	General Permit	09/22/2025	09/23/2025	08/14/2029	09/23/2025 4:43 PM

MS4 Entity Details (JavaScript:) | Coverage Requests (JavaScript:) | Annual Reports (JavaScript:)

Actions	MS4 Name	MS4 Operator Name	MGP Number	NPDES ID	Submission Status	Submission Type	Coverage Status	Coverage Type	Certified / Submitted Date	Effective Date	Expiration Date	Last Modified Date
Actions	CITY OF HARKER HEIGHTS MS4 (JavaScript:)	City of Harker Heights	TXR040000	TXR040011	Approved	Reapplication	Active	General Permit	09/22/2025	09/23/2025	08/14/2029	09/23/2025 4:43 PM
Actions	CITY OF HARKER HEIGHTS MS4 (JavaScript:)	City of Harker Heights	TXR040000	TXR040011	Approved	Legacy	Replaced	General Permit	08/24/2023	09/01/2023	01/23/2024	08/19/2024 9:15 AM

Showing 1 to 2 of 2 entries

Coverage History

MS4 Name	MGP Number	NPDES ID	Coverage Type	Certified/Submitted Date
CITY OF HARKER HEIGHTS MS4	TXR040000 (2024)	TXR040011	General Permit	09/19/2025 10:43 AM
CITY OF HARKER HEIGHTS MS4	TXR040000 (2024)	TXR040011	General Permit	02/11/2025 3:41 PM

Showing 1 to 1 of 1 entries

Previous 1 Next

Texas Commission on Environmental Quality
Stormwater Team, Water Quality Division
12100 Park 35 Circle, Austin, TX 78753 | (512) 239-4000

NOTICE OF INTENT (NOI)
Under Phase II MS4 General
Permitting Program

MS4 Entity Information

This form has been denied.

MS4 Name: CITY OF HARKER HEIGHTS MS4

MS4 Operator: City of Harker Heights

MS4 Class: Phase II: Small | **Operator Type:** Municipal | **MS4 Entity Type:** City

City: HARKER HEIGHTS | **County:** Bell | **MS4 State/Territory:** Texas

Designation Date: 02/04/2008 | **Designation Type:** Automatic Nationwide | **Population:** | **Source:**

MS4 Identifier: MS4-TX-SM-MJ-2006-0254 | **NPDES ID:** TXR040011 | **MGP Number:** TXR040000 | **Joint Coverage:** No

Latitude: 31.072222°N | **Longitude:** 97.640944°W

Description of Location:

AREA WITHIN CITY OF HARKER HEIGHTS LIMITS THAT IS LOCATED WITHIN THE KILLEEN URBANIZED AREA

Application Fee Information

Provide your payment information below, for verification of payment: ePay

- **Voucher Number:** 745506
- **Use the space below to attach a copy of your payment voucher:**

Name	Uploaded Date	Size
TCEQ-MS4-Voucher-013025.pdf (attachment/7417)	02/05/2025	94.61 KB
TCEQ-MS4-Receipt-013025.pdf (attachment/7418)	02/05/2025	93.11 KB

MS4 Contact Information

MS4 Operator Contact Information

First Name: Mark | **Middle Initial:** | **Last Name:** Hyde

Title: Assistant City Manager | **Organization:** City of Harker Heights

Phone: 254-953-5641 | **Phone Ext:** | **Email:** mhyde@harkerheights.gov

MS4 Operator Contact Mailing Address

Address Line 1: 305 Millers Crossing

Address Line 2:

City: Harker Heights | **State:** TX | **ZIP/Postal Code:** 76548

Application Contact and any additional MS4 contacts

First Name: Robert | **Last Name:** Thonhoff

Title: PE | **Phone:** 512-328-6736

Email: bob.thonhoff@wtcinc.com

Contact Type: Secondary Application Contact

Annual Billing Contact Information

First Name: Mark | **Middle Initial:** | **Last Name:** Hyde

Title: Assistant City Manager | **Organization:** City of Harker Heights

Phone: 254-953-5641 | **Phone Ext:** | **Email:** mhyde@harkerheights.gov

Annual Billing Mailing Address

Address Line 1: 305 Millers Crossing

Address Line 2:

City: Harker Heights | **State:** TX | **ZIP/Postal Code:** 76548

Core Data Form

Is the applicant a current customer with the TCEQ? Yes

- **What is the Customer Number (CN) issued to this entity? CN:** 600509277

What is the Legal Name of the entity (applicant) applying for this permit? City of Harker Heights

Complete and attach a Core Data Form (TCEQ-10400) (https://www.tceq.texas.gov/permitting/central_registry/guidance.html) for this customer:

Name	Uploaded Date	Size
core-data-form-2025.pdf (attachment/7419)	02/05/2025	1.09 MB

Regulated Entity Information

Is this an existing permitted site? Yes

- **What is the Regulated Entity Number (RN) issued to this site? RN:** 105477251

Name of site as known by the local community: CITY OF HARKER HEIGHTS MS4

Name of the urban area(s) the Phase II MS4 is located within:

- Killeen, TX

Provide a brief description of the regulated MS4 boundaries:

Area within City of Harker Heights limits that is located within the Killeen urbanized area

Standing With TCEQ

Do you owe TCEQ any delinquent fees?: No

What is your Regulated Entity Reference Number (RN)'s Compliance History classification? Check your RN's Compliance History classification using the TCEQ Compliance History Database Search: High

MS4 General Information

Was your MS4 formally "designated" by TCEQ as needing coverage under this general permit based on 40 CFR § 122.32(a)(2) (https://www.ecfr.gov/current/title-40/chapter-I/subchapter-D/part-122/subpart-B/section-122.32#p-122.32(a)(2)) or 40 CFR § 122.26(a)(1)(v) (https://www.ecfr.gov/current/title-40/chapter-I/subchapter-D/part-122/subpart-B/section-122.26#p-122.26(a)(1)(v))? No

Select the MS4 level, which is based on the population served within the "urban area with a population of 50,000 or more people" based on the 2020 Decennial Census. Level 2a: Traditional small MS4s with a population of at least 10,000 but less than 40,000.

What is the estimated current population served by your MS4 (regulated area)? 34417

Is the MS4 part of a coalition? Yes

-

Select the MS4 coalition members responsible for implementation of the SWMP and their unique TXR04#### number (if available). Identify the Coalition Member who is responsible for submitting the majority of the MS4 Annual Report (AR):

MS4 Name	NPDES ID	AR Responsibility
CITY OF KILLEEN MS4	TXR040010	

Receiving Waterbody Information

Discharge Information

List the names of all waterbody receiving stormwater discharges from the MS4. For each waterbody, please report the classified segments it discharges into and, if applicable, any impairments and TMDLs.

1690: South Nolan Creek

Name of the first waterbody to receive discharge from the small MS4: South Nolan Creek

Is this waterbody a classified stream segment as established by TCEQ? Yes

- What is the classified segment?
- Does your small MS4 discharge directly or indirectly?
- Is this waterbody listed as a Category 5 impairment on the Texas Integrated Report?
  - What is/are the pollutants of concern?:
- Is this waterbody listed as impaired with an approved Total Maximum Daily Load (TMDL)?
  - What is/are the pollutants of concern?:
- What is the classified segment the discharge will eventually reach?
  - Is this waterbody listed as a Category 5 impairment on the Texas Integrated Report?
    - What is/are the pollutants of concern?:
  - Is this waterbody listed as impaired with an approved Total Maximum Daily Load (TMDL)?
    - What is/are the pollutants of concern?:

Stormwater Management Program (SWMP)

I acknowledge that a SWMP has been developed according to the provisions of the Small MS4 General Permit TXR040000. Yes

Have the program elements in the previous SWMP been reassessed and modified and new program elements been developed and implemented, as necessary? Yes

Is the optional 8th Minimum Control Measure (MCM) for Municipal Construction Activities selected and included with the SWMP? No

Do you have a webpage where the SWMP and annual reports will be posted for the public view? Yes

- Provide the web address URL: https://www.harkerheights.gov/ index.php/stormwater

MCM1: Public Education and Outreach

Will your MS4 rely on another government entity to help the MS4 meet these requirements for MCM 1? No

I understand that my MS4's public education and outreach program must at a minimum include the residents being served as a target audience. Yes

What is/are the pollutant(s) or source(s) being addressed?

- Fertilizer and pesticides
- Grass clippings and leaf litter
- Illegal disposal of household hazardous waste
- Oil, grease, fluids from vehicles
- Pet waste
- Unauthorized discharge of restaurant waste
- De-icing / rock salt usage / storage
- Sediment runoff from construction activities
- Failing septic systems
- Litter, trash containment, balloon releases
- Vehicle washing
- Washwater/grey water
- Dumping of solid waste

Does your MS4 have a website? Yes

- Provide the web address URL: https://www.harkerheights.gov/index.php/stormwater

Public Education and Outreach BMPs and Measurable Goals

I acknowledge that I understand that my MS4 must implement the following BMPs and Measurable Goals.

BMP: Information on the MS4 Operator's website

Associated Measurable Goal: Maintain a webpage with current and accurate information and working links. All links shall be checked and the page shall be updated as necessary at a minimum of once annually. Must be maintained for the full year, each year. Yes

BMP: Social media posts, social media campaign

Associated Measurable Goal: Post a minimum of four times each year on a minimum of one social media platform. The message shall address ways attendees can minimize or avoid adverse stormwater impacts or practices to improve the quality of stormwater runoff. The messages shall be seasonally appropriate. Must make a minimum of one post per quarter and all quarterly posts must be visible by attendees for the full year, each year. Yes

BMP: Maintain or mark storm drains and inlets with, "No Dumping – Drains to Creek" or a similar message

Associated Measurable Goal: Placard, stencil, or paint a minimum of 10% of all known stormwater inlets in either high-impact areas identified by the small MS4 operator or impairment watersheds within the MS4 area each year. Where all known stormwater inlets have been marked, inspect, and maintain the markers for a minimum of 15% of all known stormwater inlets in either high-impact areas identified by the small MS4 operator or impairment watersheds within the MS4 area each year. Yes

BMP: Media/advertising campaign/public service announcements in areas of high visibility: Billboard/poster; Bus shelter/bench; radio/television/movie theatre; and kiosks

Associated Measurable Goal: Develop topics that address activities or pollutants of concern. Advertisement must be active for a minimum of three weeks each year; or must have an estimated public exposure for the duration of the advertising campaign that is equal to twice the population for the small MS4 area (based on the most recent U.S. Census Bureau decennial population value for the small MS4 area). No

BMP: Publish articles in local newspaper or newsletter, may be electronic

Associated Measurable Goal: Develop article topics that are group specific and address activities or pollutants of concern at a seasonally appropriate time. A minimum of two articles must be published or emailed to target audience groups each year. No

BMP: Fact sheets/brochures/utility bill inserts/door hangers

Associated Measurable Goal: Develop material topics that are group specific and address activities or pollutants of concern. Fact sheets, brochures, bill inserts, door hangers, or handouts shall be distributed each year for at least 75% of the intended audience. Develop and implement a tracking system to estimate what percentage of the intended audience is reached for determining BMP effectiveness. Yes

BMP: Permanent stormwater related signage

Associated Measurable Goal: Place signage in a location where the message is relevant, and highly visible to target audience. Signage will count as an annual BMP for the year it was put in place and for each subsequent year of this permit cycle as long as each of those years, the permittee inspects and maintains, as necessary, 100% of the signage once annually. Yes

BMP: Promote, host, or develop educational meetings, seminar, or trainings

Associated Measurable Goal: Hold, host, or promote a minimum of one event for Level 1 and 2 MS4s or two events for Level 3 and 4 MS4s annually. The events shall address ways attendees can minimize or avoid adverse impacts to stormwater or practices to improve the quality of stormwater runoff. These events may address different pollutants and audiences. No

BMP: Targeted education campaign via mail, email, or in person

Associated Measurable Goal: Minimum of one campaign annually distributed to at least 75% of the intended audience, or with a specific event advertised to at least 75% of the intended audience. Develop and implement a tracking system to estimate what percentage of the intended audience is reached for determining BMP effectiveness. No

MCM2: Public Involvement/Participation

Will your MS4 rely on another government entity to help the MS4 meet these requirements for MCM 2? No

Public Involvement/Participation BMPs and Measurable Goals

I acknowledge that I understand that my MS4 must implement the following BMPs and Measurable Goals.

BMP: Stream/lake or watershed clean-up events; litter/trash cleanup events such as Adopt-a-Highway, Adopt-a-Spot, Adopt-a-Street, Adopt-a-Stream, etc

Associated Measurable Goal: Host or support at a minimum one event for Level 1 and 2 MS4s or two events for Level 3 and 4 MS4s annually. To be considered an event, the land area cleaned must be a minimum of: two acres, 400 yards of riparian/stream bank/riparian area, or two miles of roadside. These may be combined (such as one acre of land and 200 yards of stream). No

BMP: Habitat improvement; Tree planting; Invasive Vegetation removal; Stream restoration

Associated Measurable Goal: Host or support at a minimum one event for Level 1 and 2 MS4s or two events for Level 3 and 4 MS4s annually. To be considered an event, the project must be a minimum of 0.5 acres or 25 yards. An event may take place in streams, parks, areas adjacent to public waterways, or other green space. An event may be a combination of locations and areas. No

BMP: Volunteer water quality monitoring such as Texas Stream Team

Associated Measurable Goal: Host or support a minimum one event annually. To be considered an event, the monitoring must be conducted at minimum once each year. Yes

BMP: Stormwater related speaker series

Associated Measurable Goal: Provide or support a minimum of one session for Level 1 and 2 MS4s or two sessions for Level 3 and 4 MS4s each year. These may be different speakers or audiences. No

BMP: MS4 area-wide stormwater survey for input on program implementation

Associated Measurable Goal: Provide or support a minimum of one public survey annually for input on the program implementation to be distributed to at least 75% of the intended audience. Develop and implement a tracking system to estimate what percentage of the intended audience is reached for determining BMP effectiveness. No

BMP: Hold events to train residents, or work a project for homeowner associations (HOAs), or other public groups to cover stormwater topics such as: Building rain barrels; Fertilizer application training; Rain garden/bio retention creation or maintenance; How to recognize illicit discharge activities and communicate observations to appropriate MS4 staff

Associated Measurable Goal: Provide or support at minimum one project or training annually. No

BMP: Educational display/booth at a school, public event, or similar event to provide information or displays that work to improve public understanding of issues related to water quality.

Associated Measurable Goal: Provide or support one booth or display at minimum annually. The booth or display must be staffed during the time which the event is open to the public. Yes

BMP: Public meeting for input on the program implementation such as a city council meeting, board meeting, or stakeholder meeting

Associated Measurable Goal: Host or support a minimum of one meeting annually for input on the program implementation to be advertised to at least 75% of the intended audience. Develop and implement a tracking system to estimate what percentage of the intended audience is reached for determining BMP effectiveness. Yes

MCM3: Illicit Discharge Detection and Elimination (IDDE)

Will your MS4 rely on another government entity to help the MS4 meet these requirements for MCM 3? No

Illicit Discharge Detection and Elimination (IDDE) BMPs and Measurable Goals

I acknowledge that I understand that my MS4 must implement all the following BMPs and Measurable Goals.

BMP: Maintain a current and accurate MS4 map as described in Part IV.D.3.(c)(1) of the General Permit.

Associated Measurable Goal: Review and update, as necessary, at least one time annually to include features which have been added, removed, or changed. Yes

- **What is the current status of your MS4 map?** Developed
  - **Date of the MS4 map:** 12/10/2024

BMP: Conduct training for all the permittee's field staff as described in Part IV.D.3.(c)(2) of the General Permit.

Associated Measurable Goal: Conduct a minimum of one training annually for 100% of MS4 field staff that may come into contact with or otherwise observe an illicit discharge, illegal dumping, or illicit connection to the small MS4 as part of their normal job responsibilities. Yes

BMP: Maintain and publicize a public reporting method for the public to report illicit discharges, illegal dumping, or water quality impacts associated with discharges into or from the small MS4 such as a reporting hotline, online form, or other similar mechanism as described in Part IV.D.3.(c)(3) of the General Permit.

Associated Measurable Goal: Maintain a minimum of one public reporting mechanism 100% of the time during the permit term. Publicize the public reporting mechanism a minimum of two times annually in a method designed to reach the majority of the intended audience. Develop and implement a tracking system to estimate what percentage of the intended audience is reached for determining BMP effectiveness. In addition, if the MS4 operator has a public website, the public reporting mechanism must be publicized on the public website 100% of the time during the permit term. Yes

BMP: Develop and maintain procedures for responding to illicit discharges, illegal dumping, and spills as described in Part IV.D.3.(c)(4) of the General Permit.

Associated Measurable Goal: Review and update the procedures at least one time annually to address changes and make improvements to the established procedures where applicable. Yes

BMP: Source investigation and elimination of illicit discharges and illegal dumping as described in Part IV.D.3.(c)(5) of the General Permit.

Associated Measurable Goal: Respond to 100% of known illicit discharges and illegal dumping incidents each year to investigate sources (or some Level 2b MS4s must notify the appropriate agency with the authority to act). Each year, respond to 100% of high priority discharges each year, such as sanitary sewer discharges within 24 hours (or some Level 2b MS4s must notify the appropriate agency with the authority to act). For 100% of known illicit discharges or illegal dumping incidents where the small MS4 does not have jurisdiction, notify the adjacent MS4 operator or the applicable TCEQ regional office each year. Notify TCEQ immediately of 100% of dist flows believed to be an immediate threat to human health or the environment throughout the permit term. Yes

BMP: Corrective action to eliminate illicit discharges and illegal dumping as described in Part IV.D.3.(c)(5) of the General Permit.

Associated Measurable Goal: For 100% of illicit discharges or illegal dumping where a source has been determined, notify the responsible party of the problem within 24 hours. Require the responsible party to perform all necessary corrective actions to eliminate the illicit discharge. Yes

BMP: Inspection Procedures as described in Part IV.D.3.(c)(6) of the General Permit.

Associated Measurable Goal: Review and update the procedures at least one time annually to address changes and make improvements to the established inspection procedures where applicable. Yes

BMP: Inspections in response to complaints as described in Part IV.D.3.(c)(6) of the General Permit.

Associated Measurable Goal: Conduct inspections in response to 100% of complaints each year according to the established procedures (or some Level 2b MS4s must notify the appropriate agency with the authority to act). Conduct follow up inspections in 100% of cases each year where necessary as described in the established procedures (except for some Level 2b MS4s without the appropriate authority to act) Yes

MCM4: Construction Site Stormwater Runoff Control

Will your MS4 rely on another government entity to help the MS4 meet these requirements for MCM 4? No

Construction Site Stormwater Runoff Control BMPs and Measurable Goals

I acknowledge that I understand that my MS4 must implement all the following BMPs and Measurable Goals.

BMP: Develop and maintain an ordinance or other regulatory mechanism as described in Part IV.D.4.(a) of the General Permit.

Associated Measurable Goal: Review and update the ordinance or other regulatory mechanism at least one time during the permit term to address changes and make improvements to the ordinance where applicable. Yes

BMP: Prohibit discharges as described in Part IV.D.4.(b)(2) of the General Permit.

Associated Measurable Goal: Develop and maintain an ordinance or other regulatory mechanism to prohibit these discharges. Review and update the ordinance or other regulatory mechanism at least one time during the permit term to address changes and make improvements to the ordinance where applicable. Yes

BMP: Maintain and implement site plan review procedures that describe which plans will be reviewed as well as when an operator may begin construction as described in Part IV.D.4.(b)(3) of the General Permit.

Associated Measurable Goal: Review and update site plan review procedures at least one time annually to address changes and make improvements to the established procedures where applicable. Implement site plan review procedures for 100% of new construction site plans received each year. Yes

BMP: Implement procedures for inspecting large and small construction projects as described in Part IV.D.4.(b)(4) of the General Permit.

Associated Measurable Goal: Review and update inspection procedures at least one time annually to address changes and make improvements to the established procedures where applicable. Yes

BMP: Conduct construction site inspections as described in Part IV.D.4.(b)(4) of the General Permit.

Associated Measurable Goal: Conduct inspections at a minimum of 80% of active construction sites annually according to the established procedures (or some Level 2b small MS4s must notify the appropriate agency with the authority to act). Each year, conduct follow up inspections in 100% of cases where necessary as described in the established procedures *(except for some Level 2b small MS4s without the appropriate authority to act)*. Yes

BMP: Develop, implement, and maintain procedures for receipt and consideration of information submitted by the public as described in Part IV.D.4.(b)(5) of the General Permit.

Associated Measurable Goal: Review and update procedures for the receipt and consideration of information submitted by the public at least one time annually to address changes and make improvements to the established procedures where applicable. Maintain one webpage, hotline, or similar method for receipt of information submitted by the public throughout the permit term. Yes

BMP: Conduct training for all the MS4 staff whose primary job duties are related to implementing the construction stormwater program as described in Part IV.D.4.(b)(6) of the General Permit. Training may be conducted in person or using self-paced training materials such as videos or reading materials.

Associated Measurable Goal: Conduct a minimum of one training annually for 100% of MS4 staff whose primary job duties are related to implementing the construction stormwater program. Yes

MCM5: Post Construction Stormwater Management in New Development and Redevelopment

Will your MS4 rely on another government entity to help the MS4 meet these requirements for MCM 5? No

Post Construction Stormwater Management in New Development and Redevelopment BMPs and Measurable Goals

I acknowledge that I understand that my MS4 must implement all the following BMPs and Measurable Goals.

BMP: Develop and maintain an ordinance or other regulatory mechanism as described in Part IV.D.5.(a)(2) of the General Permit.

Associated Measurable Goal: Review and update the ordinance or other regulatory mechanism at least one time during the permit term to address changes and make improvements to the ordinance where applicable. Yes

BMP: Document and maintain records of enforcement actions and make them available for review by the TCEQ as described in Part IV.D.5.(b)(1) of the General Permit.

Associated Measurable Goal: Maintain records of 100% of enforcement actions taken each year. Make 100% of enforcement records available to TCEQ for review within 24 hours of request. Yes

BMP: Ensure the long term operation and maintenance of structural stormwater control measures installed as described in Part IV.D.5.(b)(2) of the General Permit.

Associated Measurable Goal: Following a maintenance plan and schedule established by the small MS4 operator, maintain 100% of stormwater control measures each year where the small MS4 operator is responsible for maintenance. Each year, require 100% of the owners or operators of any new development or redeveloped sites to develop and implement a maintenance plan addressing maintenance requirement for any structural control measures installed on site. Require the site owner or operators to maintain documentation, such as a tracking log, details of 100% of the maintenance performed and made available for review by the small MS4 operator or TCEQ within 24 hours of the request. Yes

MCM6: Pollution Prevention and Good Housekeeping for Municipal Operation

Will your MS4 rely on another government entity to help the MS4 meet these requirements for MCM 6? No

Pollution Prevention and Good Housekeeping for Municipal Operation BMPs and Measurable Goals

I acknowledge that I understand that my MS4 must implement all the following BMPs and Measurable Goals.

BMP: Permittee-owned Facilities and Control Inventory as described by Part IV.D.6.(b)(1) of the General Permit.

Associated Measurable Goal: Develop and maintain an annual inventory for 100% of the small MS4 owned and operated facilities and controls in the small MS4 area. Review and update the inventory at least one time annually to address changes or additions to the facilities and controls where applicable. Yes

BMP: Training and Education as described in Part IV.D.6.(b)(2) of the General Permit. Training may be conducted in person or using self-paced training materials such as videos or reading materials.

Associated Measurable Goal Conduct a minimum of one training annually for 100% of employees involved in implementing pollution prevention and good housekeeping practices. For small MS4s which use only contractors to implement pollution prevention and good housekeeping practices, ensure training of 100% of applicable contract staff is conducted at least one time annually using contract language or another similar method. Yes

BMP: Disposal of Waste Material as described in Part IV.D.6.(b)(3) of the General Permit.

Associated Measurable Goal Ensure that 100% of waste from the MS4 is disposed of in accordance with 30 TAC Chapters 330 or 335, as applicable each year. Yes

BMP: Contractor Requirements and Oversight as described in Part IV.D.6.(b)(4) of the General Permit.

Associated Measurable Goal Each year, ensure that 100% of contractors hired by the MS4 to perform maintenance activities on permittee-owned facilities is contractually required to comply with all of the stormwater control measures, good housekeeping practices, and facility-specific stormwater management operating procedures described in Parts IV.D.6.(b)(2)-(3), implement oversight procedures of contractor activities in 100% of contracts to ensure that contractors are using appropriate control measures and SOPs each year. Oversight procedures must be maintained on-site 100% of the time and made available for review by TCEQ within 24 hours of request. Yes

BMP: Assessment of permittee-owned operations as described in Part IV.D.6.(b)(5)a of the General Permit.

Associated Measurable Goal Evaluate 100% of operation and maintenance activities, in conjunction with procedure reviews if appropriate, for their potential to discharge pollutants in stormwater annually. Yes

BMP: Identify pollutants of concern as described in Part IV.D.6.(b)(5)b. of the General Permit.

Associated Measurable Goal Identify pollutants of concern that could be discharged from all of the operation and maintenance activities described in Part IV.D.6.(b)(5)b and maintain a list of 100% of the pollutants identified, including for example, metals; chlorides; hydrocarbons such as benzene, toluene, ethyl benzene, and xylenes; sediment; and trash. Review and update the pollutants of concern list at least one time annually to address changes or additions to the operation and maintenance activities where applicable. Yes

BMP: Pollution Prevention Measures as described in Part IV.D.6.(b)(5)c. of the General Permit.

Associated Measurable Goal Develop and implement a set of pollution prevention measures that will reduce the discharge of pollutants in stormwater from the permittee-owned operations. Yes

- **Implement at least two of the following pollution prevention measures:**
  - Place berms around or conduct runoff away from 100% of deicing chemical storage areas to prevent discharge into surface waters each year.
  - Use suspended tarps, booms, or vacuums to capture paint, solvents, rust, paint chips and other pollutants during 80% of regular bridge maintenance each year.

BMP: Inspection of Pollution Prevention Measures as described in Part IV.D.6.(b)(5)d of the General Permit.

Associated Measurable Goal At least one time annually, visually inspect 100% of pollution prevention measures implemented at permittee-owned facilities to ensure they are working properly. Develop and maintain written procedures that describe the frequency of inspections and how they will be conducted. Review and update the inspection procedures at least one time annually to address changes or additions to the pollution prevention measures. Maintain a log of 100% of the inspections conducted annually and make the log available for review by the TCEQ within 24 hours of a request. Yes

BMP: Structural Control Maintenance as described by Part IV.D.6.(b)(6) of the General Permit.

Associated Measurable Goal At least one time annually, perform maintenance of 100% of the structural controls which require maintenance. Maintenance must follow a plan and schedule developed by the small MS4 operator to be consistent with maintaining the effectiveness of the BMP. The permittee shall develop and maintain written procedures that define the frequency of inspections and how they will be conducted. Review and update the maintenance procedures at least one time annually to address changes or additions to the pollution prevention measures. Yes

Notes and Additional Information

Do you have any notes or additional information you would like TCEQ to know or consider regarding your MS4? No

Certification Information

I certify under penalty of law that this document and all attachments were prepared under my direction, or supervision, in accordance with a system designed to assure that qualified personnel gathered and evaluated the information submitted. Based upon my inquiry of the person(s) directly responsible for gathering the information, the information submitted is, to the best of my knowledge, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of a fine and imprisonment for willful violations.

Certified By: David R. Mitchell

Certifier Title:

Certifier Email: drmitchell@harkerheights.gov

Certified On: 02/11/2025 4:41 PM ET

Kristina Ramirez

From: Mark Hyde
Sent: Monday, December 15, 2025 9:02 AM
To: Kristina Ramirez
Subject: FW: Storm drain button program 2025
Attachments: Storm drain button 1 11-25.jpg; Storm drain button 2 11-25.jpg; Storm drain button 3 11-25.jpg

Mark Hyde
Assistant City Manager
City of Harker Heights | 305 Miller's Crossing | Harker Heights, TX 76548
T: 254-953-5641 | F: 254-953-5605 | mhyde@harkerheights.gov

Vision: Providing public services that empower people to focus on what matters most: their goals, hopes and dreams.

From: Charles Adams <cadams@harkerheights.gov>
Sent: Thursday, December 4, 2025 9:11 AM
To: Mark Hyde <mhyde@harkerheights.gov>
Subject: Storm drain button program 2025

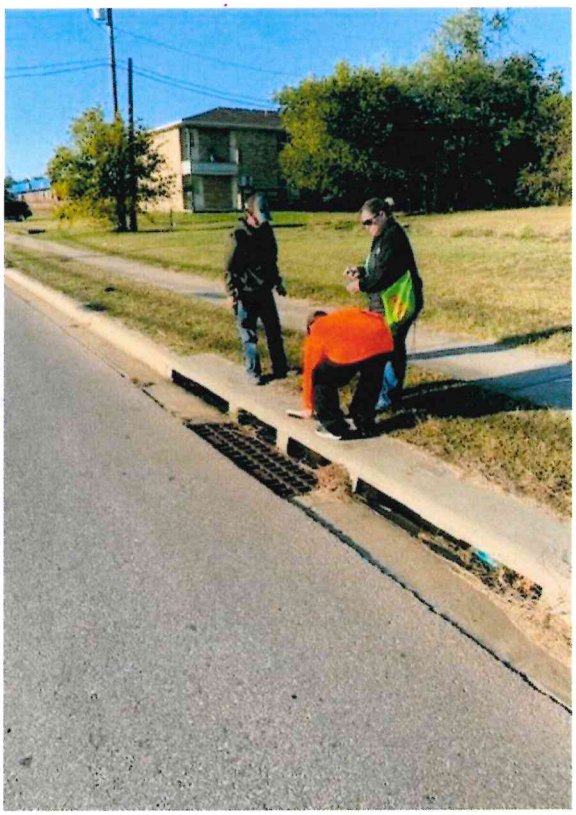
Mark,

Attached are the pictures of the Trail Life troop 1274 completing the storm drain button program on the 8th of November.

Thank you,

Chuck Adams
Street, Drainage and Sanitation Supervisor
City of Harker Heights | 305 Miller's Crossing | Harker Heights, TX 76548
T: 254-953-5649 | F: 254-953-5666 | cadams@harkerheights.gov

Vision: Providing public services that empower people to focus on what matters most: their goals, hopes and dreams.



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Harker Heights
Bright Star Of Central Texas

NOTICE OF MEETING OF THE STORM WATER COMMITTEE OF THE CITY OF HARKER HEIGHTS, TEXAS

Notice is hereby given that, beginning at 1:30 p.m. on December 10, 2025, and continuing from day to day thereafter if necessary, the Storm Water Committee of the City of Harker Heights, Texas, will hold a Meeting in Room C at the Harker Heights Activities Center located at 400 Indian Trail, Harker Heights, Texas 76548. The subjects to be discussed are listed in the following agenda:

The City of Harker Heights
305 Miller's Crossing
Harker Heights, Texas 76548
Phone 254/953-5600
Fax 254/953-5614

AGENDA

I. Invocation:

II. Pledge of Allegiance:

I Pledge Allegiance to the Flag of the United States of America and to the Republic for which it stands, one nation under God, indivisible, with liberty and justice for all.

Honor the Texas Flag. I pledge allegiance to thee Texas; one state under God, one and indivisible.

III. Roll Call:

IV. Consent Items:

1. Discuss and consider approving the minutes of the meeting held December 05, 2024, and take the appropriate action.

V. Public Hearings:

1. Conduct a Public Hearing to receive, discuss and consider a presentation concerning compliance with the City of Harker Heights Storm Water General Permit requirements; review accomplishments to date; discuss the Storm Water Management Plan submitted to the Texas Commission on Environmental Quality; solicit input from the public and stakeholders; plan to address future compliance issues; and take the appropriate action.

VI. Adjournment:

I hereby certify that the above notice was posted on the bulletin board of City Hall, City of Harker Heights, Texas, and the Harker Heights Activities Center located at 400 Indian Trail, Harker Heights, Texas 76548 in a place readily accessible to the general public at all times, on the 2nd of December, 2025, by 5:00 p.m., and remained posted for at least three continuous business days preceding the scheduled date of said meeting.

Julie Helsham
City Secretary

"This facility is wheelchair accessible and accessible parking spaces are available. Requests for accommodations or interpretive services must be made 48 hours prior to this meeting. Please contact the City Secretary's office at 254-953-5600, or FAX 254-953-5614, or email jhelsham@harkerheights.gov for further information."

Storm Water Committee Meeting Sign In Sheet
December 10, 2025, 1:30 PM Activity Center Room C

	Name	Company	Phone number	E-mail	Mailing Address
1	John McElroy	Harker Heights	512-245-1305	jmcelroy@harkerheights.gov	305 Millers Xing, HH, TX, 76548
2	Mark Hyde	City of Harker Heights	254-953-5641	mhyde@harkerheights.gov	"
3	CHARLES ADAMS	CITY OF HARKER HEIGHTS	254-291-0022	cadams@harkerheights.gov	"
4	Jonathan Hicks	COHH	254-699-5621	Jhicks@harkerheights.gov	"
5	Kristhen Ramirez	COHH	2549535603	Kramirez@harkerheights.gov	"
6	Chris Atkinson	city of Nolanville	254-258-0187	catkinson@nolanvilletx.gov	101 N 5th St Nolanville, TX 76559
7	Marcus Guzmen	City of Belton	254-933-5823	mguzmen@beltontexas.gov	PO BOX 120 Belton TX 76513
8	Valencia Ramirez	City of Nolanville	254 718 9774	vramirez@nolanvilletx.gov	101 N 5th St Nolanville Tx 76559
9	Stephanie Hall	COHH	254-953-5084	shall@harkerheights.gov	305 Millers Crossing Harker Heights, TX 76548
10	Michael Beard	COHH	254-953-5067	mbeard@harkerheights.gov	"

Harker Heights

City of Harker Heights
Stormwater Committee
December 10, 2025

1

I Pledge Allegiance to the Flag of the United States of America and to the Republic for which it stands, one nation under God, indivisible, with liberty and justice for all.

2

Honor the Texas Flag. I pledge allegiance to thee Texas; one state under God, one and indivisible.

3

2025 Stormwater Committee

3. Roll Call
4. Discuss & Consider approving the minutes of the meeting held December 5, 2024.
5. Public Hearing
   - Conduct a Public Hearing to receive, discuss and consider a presentation concerning compliance with the City of Harker Heights Storm Water General Permit requirements, review accomplishments to date; discuss the Storm Water Management Plan submitted to the Texas Commission on Environmental Quality; solicit input from the public and stakeholders; plan to address future compliance issues; and take the appropriate action.

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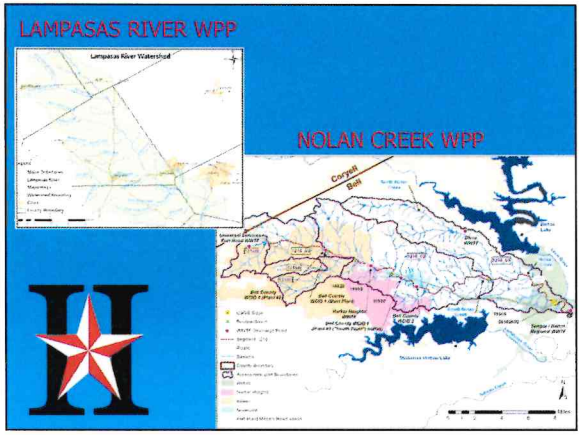

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Phase II MS4 General Permit

1. Application was submitted on 1/30/2025 and confirmed received on 2/11/2025.
2. Existing small MS4 operators continued to implement ongoing items in their most recently TCEQ approved SWMP until a renewal NOI was submitted and approved under the 2024 general permit.
3. Permit was approved and issued on September 23, 2025.

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Phase II MS4 General Permit

4. Level 2a – 10,000 - 40,000 people within the Killeen Urban Area (formerly called Urbanized Area).
5. Clear, specific, & measurable goals.
   - Authority to require, receive, respond, assess, & enter
   - Enforcement

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2025 SWMP Accomplishments

1. Print and distribute Brochure No. 18 (Mailed out to residents with their December water bill.)
2. Maintained the storm water page on the City website.
3. Distribute the Pet Waste Fact Sheet. To date this year, the Pet Adoption Center has distributed 1,383 fact sheets.

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2025 SWMP Accomplishments

4. Stormwater Community Service Project: Install a minimum of 25 curb markers on drainage catch basins and flumes.

   Trail Life Troop 1274 installed 76 curb markers along FM 2410, Warriors Path Road, and along Amy Lane. (Completed November 08, 2025. Chuck Adams, Street, Drainage & Sanitation Supervisor.)

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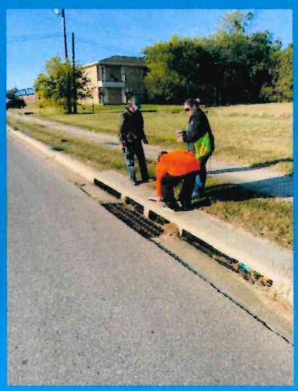

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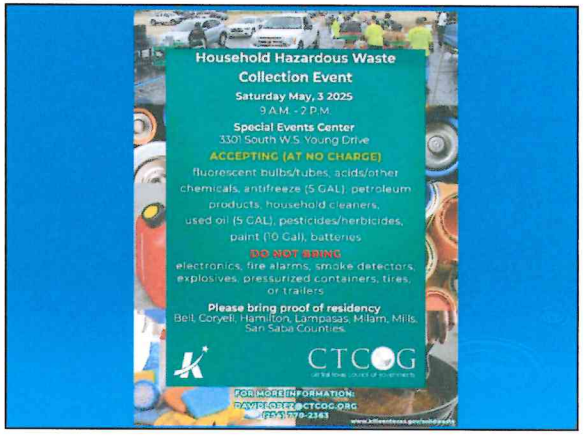

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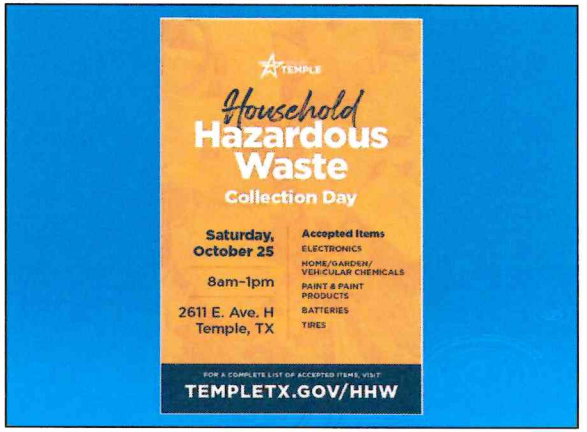
Harker Heights

2025 SWMP Accomplishments

5. Hold one Stormwater Committee Meeting.
6. Hold a Household Hazardous Waste Day in the area.
   - May 03, 2025: Sponsored by the City of Killeen, City of Harker Heights, and the Central Texas Council of Governments.
   - October 25, 2025: Sponsored by the City of Temple and the Central Texas Council of Governments.

14



16

2025 SWMP Accomplishments

7. Dry Weather Screening Drainage Outfalls.
   - Completed March & April 2025.

17

Signs at Major Storm Water Outfalls (24 Total)

18

Signs at Major Storm Water Outfalls (24 Total)

19

2025 SWMP Accomplishments

8. Remedy Illicit Connections.
9. Site Inspections and Enforcement.
10. Clean Stormwater Catch Basins.
11. Sweep Streets.

20

Grass Clippings Blown in Street

21

Harker Heights Street Sweeper

22

Harker Heights Street Combination Jetrodder/Vacuum Cleaning Truck

23

Waste Management Solid Waste Polycarts with Lids

24

2025 SWMP Accomplishments

12. Dispose of street sweeping debris in accordance with revised standard operating procedure (SOP).

25

Street Sweeper Debris Disposal Site

26

2025 SWMP Accomplishments

13. Clean detention pond inlets and trash racks.

27

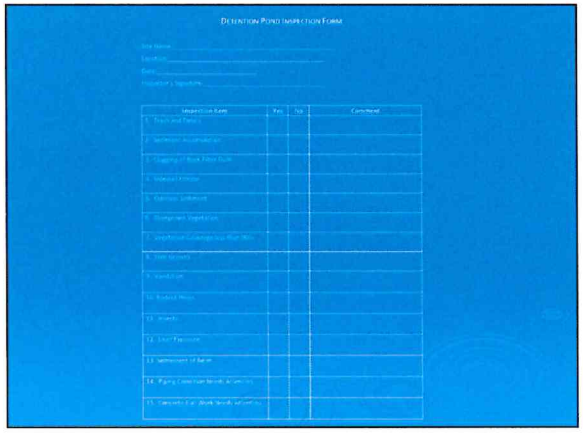
Detention Facility Trash Rack

28

2025 SWMP Accomplishments

13. Inspect an average of one stormwater detention facility (public or private) each month. Provide a written report for each inspection.

29



30

2025 SWMP Accomplishments

13. Public Works and Parks & Recreation Department Stormwater Training.
    - The annual training was completed on December 09, 2025.

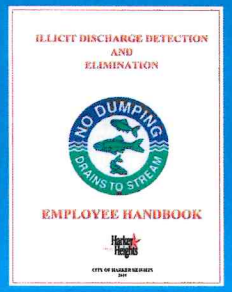
31

2025 SWMP Accomplishments

14. Implement an Operations and Maintenance Program aimed at pollution prevention/good housekeeping.

32

Illicit Discharge Detection Employee Handbook



33

2025 SWMP Accomplishments

17. Continue to improve and implement the procedural system for detecting and eliminating illicit discharges. The City has developed an associated training manual for City employees.
18. Continue maintaining the remote sanitary sewer manhole monitoring installation on Trimmier Creek to detect surcharged manholes before they overflow into the creek.

34

2025 SWMP Accomplishments

19. Implementation of the sampling, testing and data collection plan to aid in identifying/eliminating contaminant sources. (For contact recreation streams, the e-coli level must be <126 colony forming units /100 ml)

35

2025 SWMP Accomplishments

20. For Nolan Creek, the City of Harker Heights is collecting the e-coli sample data. The sample sites are located at the Roy Reynolds bridge, North Amy Lane and the FM 3219 bridge.

36

South Nolan Creek

37

2025 SWMP Accomplishments

21. For Trimmier Creek, the City of Harker Heights is utilizing e-coli sample data from the Brazos River Authority. Sample sites at Chaparral Road and tributaries at Purser Park and at the Prospector Trail bridge. Trimmier Creek has been removed from the TCEQ's impaired water bodies list for e-coli.

38

2025 SWMP Accomplishments

22. Maintained the Stormwater Hotline for the public to report and comment on illicit storm water sightings and issues. (Storm Water Hotline: M-T 953-5649 - Kristina Roach. Fridays, Weekends and holidays 319-4996 - Street & Drainage On Call)
23. Develop location-based stormwater related data.

39

2025 SWMP Accomplishments

24. Provide a developer guidance document to clarify pre-construction, construction and post-construction storm water requirements.
25. Develop materials promoting the reduction of stormwater runoff and pollutants. (These are the lawn/landscaping brochure mail outs)

40

2025 SWMP Accomplishments

26. Targeted wastewater facilities review. (Includes reviewing & inspecting wastewater facilities for potential leaks or malfunctions)
27. Seek public input on City facilities and O&M. (Stormwater Hotline)

41

2025 SWMP Accomplishments

28. Implemented Industrial Stormwater Permit for the City's wastewater treatment plant.
29. Worked with the Nolan Creek Watershed Coordinator on implementation of the Nolan Creek Watershed Protection Plan.
    - Valencia Ramirez, Nolan Creek Watershed Coordinator, recently provided a pet waste and water quality brochure to distribute the public.

42

43

Questions

44

2026 SWMP Objectives

Continued implementation of the current Stormwater Management Program elements and implement new BMPs.

45

2025 & 2026 New BMPs

1. BMP#1-2: Posting on Stormwater Website.
2. BMP#1-9: Social Media Campaigns & Posts
   - Minimum of 4 per year.
3. BMP #2-3: Volunteer Water Quality Monitoring

46

2025 & 2026 New BMPs (cont.)

4. BMP#3-2: Review and Develop Stormwater Related Ordinances for all Control Measures.
   - Adequate legal authority to control pollutant discharges into and from the MS4.
5. BMP #4-3: Construction Site Inspections
   - 80% of active sites.
   - Inspector certifications.

47

2025 & 2026 New BMPs (cont.)

6. BMP#6-3: Targeted Wastewater Facilities Review.
   - Inspection by Staff
   - Public Input
   - Minimum of 4 per year.
7. BMP #6-5: Pollution Prevention Measures
   - 2 of 4 options to be adopted and tracked

48

Motion

Move to continue implementation of the current Stormwater Management Program elements and implement new BMPs as identified in the Program.

49

2025 Stormwater Committee

6. Adjournment

50

2025 Household Hazardous Waste Events

- October 26, 2024 – City of Temple
- February 22, 2025 – City of Hamilton
- March 14-15, 2025 – Bell County (Tire)
- May 3, 2025 – City of Killeen

Open to residents of Bell, Coryell, Hamilton, Lampasas, Milam, Mills, and San Saba Counties.

CTCOG
resource conservation

TALK TO US

david.lopez@ctcog.org
254-770-2363

B-2-1-9

CITY OF TEMPLE

Household Hazardous Waste

Collection Day

Saturday, October 25

8am–1pm

2611 E. Ave. H
Temple, TX

Accepted Items

ELECTRONICS

HOME/GARDEN/ VEHICULAR CHEMICALS

PAINT & PAINT PRODUCTS

BATTERIES

TIRES

FOR A COMPLETE LIST OF ACCEPTED ITEMS, VISIT:

TEMPLETX.GOV/HHW

Household Hazardous Waste Collection Event

Saturday May, 3 2025

9 A.M. - 2 P.M.

Special Events Center
3301 South W.S. Young Drive

ACCEPTING (AT NO CHARGE)

fluorescent bulbs/tubes, acids/other chemicals, antifreeze (5 GAL), petroleum products, household cleaners, used oil (5 GAL), pesticides/herbicides, paint (10 Gal), batteries

DO NOT BRING

electronics, fire alarms, smoke detectors, explosives, pressurized containers, tires, or trailers

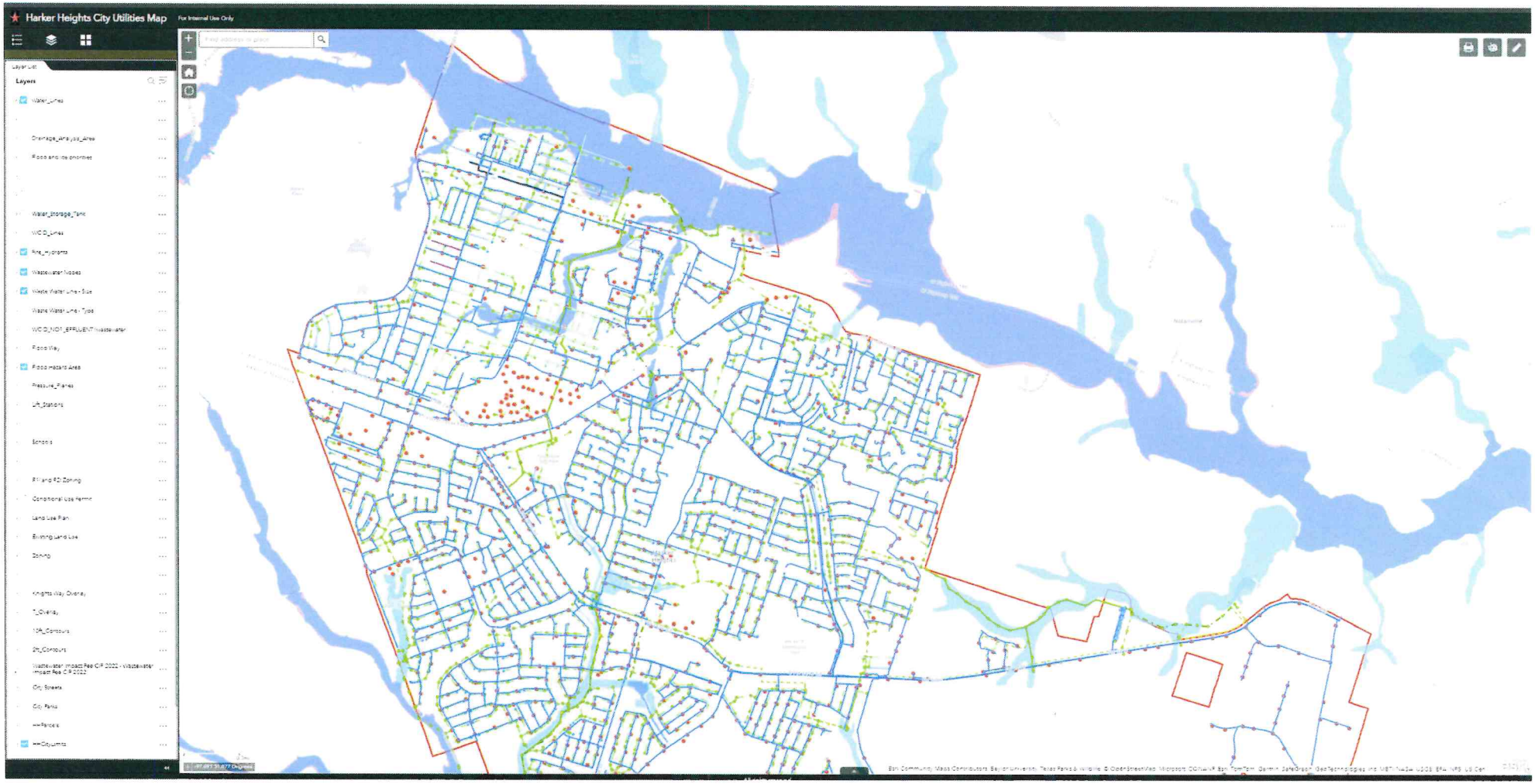
Please bring proof of residency
Bell, Coryell, Hamilton, Lampasas, Milam, Mills, San Saba Counties.

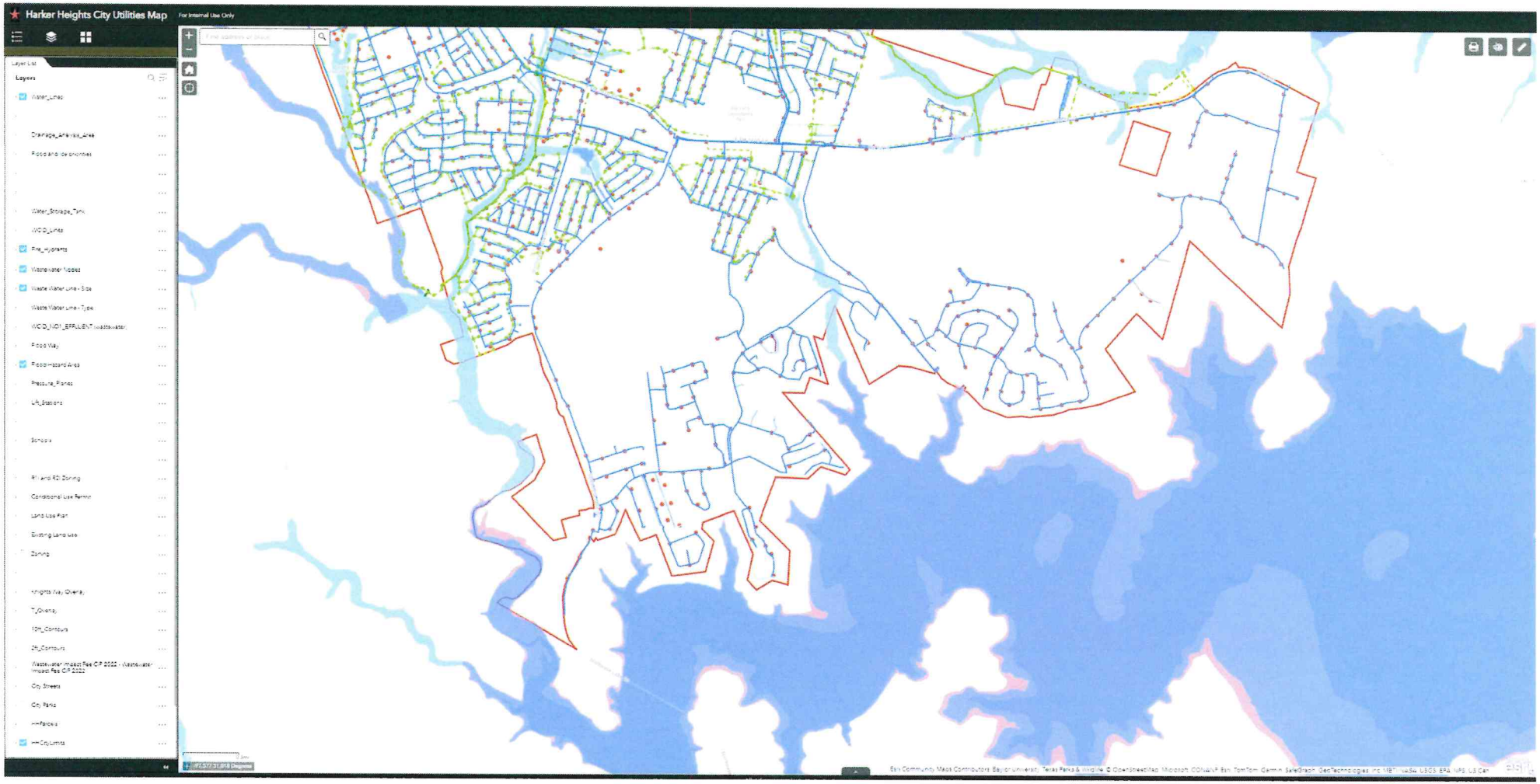
CTCOG
central texas council of governments

FOR MORE INFORMATION:
DAVIDLOPEZ@CTCOG.ORG
(254) 770-2363

www.killeentexas.gov/solidwa

B-2-1-9-2


Harker Heights City Utilities Map
For Internal Use Only
Layers
Water_Lines
Drainage_Analysis_Area
Flood and low enorthies
Water_Storage_Tank
WCID_Lines
Fire_Hydrants
Wastewater Nodes
Waste Water Line - Sue
Waste Water Line - Tyler
WCID_NOT_EFFLUENT Wastewater
Flood Way
Flood Hazard Area
Pressure_Planes
Lift_Stations
Schools
RV and RD Zoning
Conditional Use Permit
Land Use Plan
Existing Land Use
Zoning
Knights Way Overlay
T_Overlay
10ft_Contours
2ft_Contours
Wastewater Impact Fee CIP 2022 - Wastewater Impact Fee CIP 2022
City Streets
City Parks
Fences
CityLimits


Harker Heights City Utilities Map
For Internal Use Only
Layer List
Layers
Water_Lines
Drainage_Arkansas_Area
Floodland_Boundaries
Water_Storage_Tank
WCID_Lines
Fire_Hydrants
Wastewater Nodes
Waste Water Line - Size
Waste Water Line - Type
WCID_NO1_EFFLUENT Wastewater
Flood Way
Flood Hazard Area
Pressure_Planes
Lift_Stations
Schools
R1 and R2 Zoning
Conditional Use Permit
Land Use Plan
Existing Land Use
Zoning
Knights Way Overlay
TX_Overlay
10ft_Contours
2ft_Contours
Wastewater Impact Fee CIP 2022 - Wastewater Impact Fee CIP 2022
City Streets
City Parks
Parcels
CityLimits
Esri Community Maps Contributors, Baylor University, Texas Parks & Wildlife, © OpenStreetMap, Microsoft, CONANP, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Cen

STORM WATER COMMITTEE

B-2-2-2 and B-3-3 and B-4-2

§ 33.60 ESTABLISHED; MEMBERSHIP.

(A) There is hereby established an advisory committee to be known as the Storm Water Committee.

(B) The Public Works Director shall serve as the Storm Water Coordinator, who shall Chair the meetings of the Committee. The Coordinator shall not vote upon matters considered by the Committee except in the event of a tie vote.

(C) The Committee shall consist of the Storm Water Coordinator, the Planning and Development Director, the Building Official, the City Planner, the Street, Drainage and Sanitation Field Supervisor, the Public Works Administrative Assistant, the Chief Wastewater Plant Operator, and one City Council member.

(1) The City Council member shall be appointed to the Committee by the Mayor on an annual basis and shall serve at the pleasure of the Mayor. The Mayor shall appoint a replacement to any vacancy in that position to fill the unexpired term.

(2) Any other Committee member who shall cease to hold the title of office required for membership shall automatically cease to be a member, and any person subsequently employed to that office shall automatically become a member.

(Ord. 2009-18, passed 6-23-09; Am. Ord. 2015-01, passed 1-13-15; Am. Ord. 2020-52, passed 9-22-20; Am. Ord. 2021-48, passed 9-28-21)

§ 33.61 FUNCTION.

The purposes of the Storm Water Committee are to make recommendations to the City Council to ensure compliance with the pertinent Best Management Practices, to track Best Management Practices implementation and documentation, to keep department heads up to date with ongoing storm water issues, to solicit input from the public and stakeholders, and to make such other recommendations as may be appropriate to assist the city in complying with its Storm Water Program and General Permit.

(Ord. 2009-18, passed 6-23-09)

§ 33.62 MEETINGS.

(A) A majority of the members shall constitute a quorum for the transaction of business. Meetings of the Committee shall be held at a location open to the public at least once each calendar year, or more frequently at the call of the Storm Water Coordinator or City Council.

(B) The Committee may develop rules or bylaws to govern the internal functioning of the Committee consistent with ordinance establishing the Committee, subject to approval by the City Council.

(C) A written agenda and time and location of the meeting shall be posted as required by the Open Meetings Act. Meetings will be open to the public except when closed meetings are authorized by state statutes.

(D) The Committee shall keep regular minutes of its meetings, and provide copies thereof to the City Council.

(Ord. 2009-18, passed 6-23-09)

B-2-2 and B-3-3 and B-4-2

CHAPTER 50: PUBLIC UTILITIES

Section

50.01 Connection of utilities to commercial property

50.02 Standard Specifications for Public Works Construction adopted

50.99 Penalty

§ 50.01 CONNECTION OF UTILITIES TO COMMERCIAL PROPERTY.

(A) No utilities shall be connected to any commercial property by any person, firm, or corporation unless a certificate of occupancy has been issued by the city and is posted in a conspicuous place upon the property.

(B) A copy of Ordinance 88-16 shall be mailed by the City Secretary to all utility companies which serve the city.

(Ord. 88-16, passed 6-28-88) Penalty, see § 50.99

§ 50.02 STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION ADOPTED.

(A) *The Standard Specifications for Public Works Construction, North-Central Texas Council of Governments*, Third Edition 1998, with all of its amendments as issued, are hereby adopted by reference as though they were copied fully herein.

(B) Any construction standards in said Standards which are contrary or in conflict to any existing ordinances of the city shall prevail, and all existing ordinances to the contrary are hereby repealed in that respect only.

(C) Within the Specifications when reference is made to the duties of certain officials named therein, that designated official in the city who has duties corresponding to those of the named official in the Specifications shall be deemed to be the responsible official insofar as enforcing the provisions of the Specifications is concerned.

(Ord. 87-10, passed 4-14-87; Am. Ord. 2002-01, passed 2-12-02) Penalty, see § 50.99

§ 50.99 PENALTY.

(A) Any person, firm, or corporation who shall violate any of the provisions of § 50.01 of this chapter shall be deemed guilty of a misdemeanor, and upon conviction in the Municipal Court shall be subject to a fine not to exceed $500 for each offense. Each and every day any such violation shall continue shall be deemed a separate offense.

(Ord. 88-16, passed 6-28-88)

(B) Any person or corporation who shall violate any of the provisions of § 50.02 shall be deemed guilty of a misdemeanor and upon conviction thereof in the Municipal Court of the city shall be fined in any sum not exceeding $2,000. Each offense and each day such violation continues shall constitute a separate offense.

(Ord. 87-10, passed 4-14-87; Am. Ord. 87-12, passed 4-28-87)

CHAPTER 154: SUBDIVISIONS

Section

General Provisions

154.01 Definitions
154.02 Authority and purpose
154.03 Fees
154.04 Thoroughfare plan
154.05 Overview
154.06 Developers presence required
154.07 Exemptions
154.08 Building permits
154.09 Site prep plan
154.10 Appeals

Platting Process

154.20 General residential and commercial
154.21 Preliminary plat
154.22 Final plat
154.23 Guarantee of performance
154.24 Maintenance bond required
154.25 As built drawings
154.26 Special plats or procedures

Design Standards

154.35 Design standards within city limits
154.36 Public infrastructure improvements
154.37 Streets
154.38 Street lighting
154.39 Block lengths
154.40 Sidewalks
154.41 Drainage and storm water management
154.42 Easements
154.43 Lots
154.44 Monuments
154.45 Special provision for Rural, Hillside and Larger Lot Subdivision

Administration and Enforcement

154.60 Waivers
154.61 Findings
154.62 Conflict with other provisions
154.63 Enforcement of regulations
Appendix A: Pavement Design Procedure
Appendix B: Rainfall Intensity Curve

GENERAL PROVISIONS

§ 154.01 DEFINITIONS.

For the purpose of this chapter, the following definitions shall apply unless the context clearly indicates or requires a different meaning.

ACCESS. The means by which property is connected to a public street. ***ACCESS*** to/from TXDOT facilities must be approved by TXDOT prior to approval of a plat. ***ACCESS*** to/from nonresidential property through or to residential streets must be avoided.

AMENDING PLAT. A subdivision plat that reflects changes to an original filed final plat.

ARTERIAL SYSTEM. The roadway system comprised of major and minor arterials.

BENCHMARK. A monument that is part of a leveling network and is a point of precisely measured elevation. See ***MONUMENT.***

BUILDING. Any structure that encloses a space used for sheltering any occupancy. Each portion of a building separated from other portions by a firewall shall be considered a separate building.

CITY ATTORNEY. The attorney employed as City Attorney of the city.

CITY COUNCIL. The duly and constitutionally elected governing body of the city.

CITY MANAGER. The person employed as the chief administrative officer of the city, and duly appointed by the City Council.

COMPREHENSIVE PLAN. The plan and adaptations, thoroughfare plan, bikeway plan, future land use plan, gateways and corridors, amendments or supplements thereto, adopted by the City Council and used as a guide for future development of the city and surrounding areas.

CONCEPT PLAN. The initial project layout that provides an opportunity to review and evaluate the impact of a proposed development on the character of the surrounding area in which it is proposed to be located. The process takes into consideration the general form of the land before and after development, as well as the spatial relationship of the proposed structures, open space, landscape areas, parking, and general access and circulation patterns as they relate to the proposed development and the surrounding areas.

COUNTY COMMISSIONERS COURT. The duly and constitutionally elected governing body of Bell County, Texas.

COVENANT. A private legal restriction on the use of land contained in the deed to the property or otherwise formally recorded.

DENSITY. The number of dwelling units per acre in a residential development.

DEVELOPER. Any person or persons, firm or corporation subdividing or developing a tract or parcel of land to be sold or otherwise marketed.

DEVELOPMENT. Any activity initiated or directed to improve real estate and requiring a permit from a city, county, or government agency, including without limitation intensive brush and or tree removal of a significant amount.

EASEMENT or PUBLIC UTILITY EASEMENT. A strip of land reserved for public use by the grantor and accepted by the city for the installation and maintenance of utility lines, improved drainage infrastructure, or for other city or public services or for access to property. The ownership or title to the land encompassed by the easement being retained by the owner.

(1) ***ACCESS OR PASSAGE. EASEMENT***, as defined above, for the purposes of pedestrian and/or vehicular mobility between parcels or through a parcel.

(2) ***PEDESTRIAN. EASEMENT***, as defined above, for the purposes of pedestrian traffic (i.e., for sidewalks, bike paths).

(3) ***VEHICULAR. EASEMENT***, as defined above, for the purposes of vehicular traffic.

ENGINEER. A person duly authorized and licensed under the provisions of the Texas Engineering Practice Act (V.T.C.A., Tex. Occupations Code Ch. 1001), as heretofore or hereinafter amended, to practice the profession of engineering.

ENGINEERING DRAWINGS. Engineering drawings support and provide greater detail to a plat. ***ENGINEERING DRAWINGS*** typically, where applicable, include, but are not limited to, water layout, sewer layout, drainage and topography, street light layout, street plan and profile sheets, sewer main plan and profile, water utility details, sewer utility details, paving details, drainage details, erosion and sedimentation control plan and standard construction details. ***ENGINEERING DRAWINGS*** shall be prepared, signed, and sealed by a Texas Licensed Professional Engineer and shall conform to the general requirements and minimum standards of design and requirements as presented in this chapter.

EXTRATERRITORIAL JURISDICTION (ET.J). Under the terms of V.T.C.A., Tex. Loc. Gov't Code Ch. 42, the unincorporated area, not a part of any other city, which is contiguous to the corporate limits of the city, the outer boundaries of which are measured from the extremities of the corporate limits of the city outward for a distance of two miles, except where it overlaps the ET.J. of other municipalities. Such overlaps are apportioned by mutual agreement with the other municipalities, adopted by resolution and shown on the official ETJ map.

FLAG LOT. A large lot not meeting minimum frontage requirements where access to the public road is by a narrow 30 foot wide strip of land which is part of the lot. Flag lots should be avoided if at all possible.

INFRASTRUCTURE IMPROVEMENTS. Any public facility, service or amenity, constructed to sustain a proposed land use activity. ***INFRASTRUCTURE*** includes, but is not limited to, streets, alleys, sidewalks, crosswalks, sanitary sewers, sewage lift stations, septic tanks or other sewage facilities to include water mains, water systems, drainage culverts, lined channels, storm sewers, bridges, streetlights and fire hydrants.

LAY DOWN OR RIBBON CURB. A curb constructed of concrete that is a lower height to promote drainage, allow access onto property or into a driveway or allows for handicap access to a sidewalk.

LOT. A physically undivided tract or parcel of land having frontage on a public street and which is, or in the future may be, offered for sale, conveyance, transfer, lease or improvement, which is designated as a distinct and separate tract and which is identified by a lot number or tract symbol on an approved subdivision plat which has been officially recorded.

(1) ***CORNER LOT.*** A lot abutting two or more streets at their intersection.

(2) ***DOUBLE FRONTAGE LOT.*** A lot that fronts and backs on two streets.

(3) ***LOT DEPTH.*** The average depth of the lot.

(4) ***LOT FRONT or FRONTAGE.*** That portion of a lot or tract of land which is the principal side of a property and which abuts on a public street. This shall be the same side in which direction a building will face and the side on which there is the main entrance.

(5) ***LOT WIDTH.*** The average width of the lot.

MAINTENANCE BOND. Bond or letter of credit guaranteeing against defects in public roads, utilities, drainage features or other public infrastructure for a specified time period following the approval of the final plat by the city.

MAY. Deemed permissible.

MONUMENT. A reference point, line or plane used as a basis for measurements.

OPEN SPACE. A public or common ownership property designated for a recreation area, private park, building setback and ornamental areas open to general view within the development. ***OPEN SPACE*** does not include streets or alleys.

PARCEL. A tract of land owned and recorded as the property of the same persons or controlled by a single entity.

PAVEMENT WIDTH. The width from the back of curb to the back of curb of a street.

PERFORMANCE BOND. A surety bond posted by a developer guaranteeing full performance as specified in plans approved by the city with the proceeds to be used by the city to complete the improvements on the plans in the event of the developers nonperformance.

PERSON. Any individual, association, firm, corporation, governmental agency, partnership or political subdivision.

PLANNING AND ZONING COMMISSION. A board comprised of citizens of the city appointed by the City Council as an advisory body, charged to recommend changes in the zoning and other planning functions as delegated by the City Council.

PLAT. A map of a subdivision showing the location and boundaries of individual parcels of land subdivided into lots, with streets, alleys and the like, and drawn to scale. As used in this chapter, a ***PLAT*** includes final plats, replats, amending plats and minor plats.

RESERVE STRIP OR PARCEL. Any lot, tract, parcel, strip or any other land which prohibits access from public or private tracts or parcels of land dedicated or intended to be dedicated to public use.

RE-SUBDIVISION. The replacement of all or a part of a recorded plat with a new plat which alters the lines within the perimeter boundary of the previous plat.

RIGHT-OF-WAY. A strip of land dedicated to the public for public streets or to accommodate access and/or utilities to lots or tracts.

SERVICE LINES, PRIVATE. That portion of the utility service line from the property line at the right-of-way to the structure itself.

SERVICE LINES, PUBLIC. That portion of the utility service line that is completely contained within the right-of-way.

SHALL. Deemed as mandatory.

SIDEWALK. A paved pedestrian walkway constructed within a street right-of-way and generally parallel to the street.

SITE DEVELOPMENT REVIEW COMMITTEE (SDRC). A committee consisting of representatives from various city departments, impacted public entities, and private utility companies which reviews plats and development proposals for compliance with applicable codes and ordinances.

STREET, ROAD, or ROADWAY. A way for vehicular traffic, whether designed as a street, highway, thoroughfare, parkway, throughway, road, avenue, boulevard, lane, place or other designation. See § 154.37 for specific standards associated with the different classifications of streets. Streets may be classified as follows:

(1) ***ALLEY.*** A narrow public passage easement or minor public right-of-way which provides a secondary means of vehicular access to abutting property and which is used primarily for vehicular traffic to the rear or side of properties which otherwise abut on a public street.

(2) ***CUL-DE-SAC.*** Street with only one outlet which terminates in a vehicular turnaround at the other end.

(3) ***DEAD-END.*** Street with only one outlet but with no vehicular turnaround at the other end.

(4) ***FRONTAGE or SERVICE ROAD.*** Usually parallel to a major arterial (highway), designed to reduce the number of driveways and streets that intersect the highway.

(5) ***INTERNAL STREET.*** Street within a subdivision that begins at an intersection and ends in a cul-de-sac or dead-end, or connects to the same street of origin. This street does not provide for the through movement of traffic.

(6) ***MAJOR ARTERIAL.*** High volume streets with multiple lanes which facilitate travel between major destinations or activity centers, as well as long-distance traffic that goes through or bypasses an area. These are limited access roads on which no driveway access for single-family or two-family residential lots may be allowed.

(7) ***MAJOR COLLECTORS.*** Streets generally located along borders of neighborhoods and within commercial areas to collect and to channel this traffic to the arterial system. These are limited access roads on which no driveway access for single-family or two-family residential lots may be allowed.

(8) ***MINOR ARTERIALS.*** High volume streets with multiple lanes which facilitate traffic into and between major arterials. These are limited access roads on which no driveway access for single-family or two-family residential lots may be allowed.

(9) ***MINOR COLLECTORS.*** Streets generally located within subdivisions or between subdivisions to collect traffic from residential streets and to channel this traffic to major collectors or arterials. Residential lots may front on these streets.

(10) ***PRIVATE ROAD.*** A roadway that is not dedicated for public use nor accepted by the city for maintenance. A private road typically provides access to two or more properties or structures.

(11) ***RESIDENTIAL or LOCAL STREETS.*** Streets whose primary function is to serve individual residential lots. They carry low traffic volumes at low speeds.

(12) ***RURAL ROAD.*** Streets that serve individual residential lots and carry surface water runoff via bar ditches. Rural roads shall not serve individual residential lots which are smaller than one-half acres per lot. They carry low traffic volumes at low speeds.

STRUCTURE. Anything that is built or constructed with a roof covering.

SUBDIVISION. Any division of land for which a plat is required to be approved and recorded under the provision of V.T.C.A., Tex. Loc. Gov't. Code, § 212.004. This includes the division of land situated within the corporate limits of the city into two or more parts for any purpose no matter how it is conveyed. However, it does not include the division of land into parts greater than five acres where each part has access and no public improvement is being dedicated. No subdivision of land within the city may be recorded with the County Clerk until a final plat, accurately describing the property to be subdivided and platted, has been approved by the city in accordance with this chapter, signed and dated by the Mayor, Chair of the Planning and Zoning Commission and/or other designated officers of the city.

B-2-2 and B-3-3 and B-4-2

(1) ***MAJOR SUBDIVISION.*** Any subdivision consisting of five or more lots and/or a subdivision requiring extension of municipal facilities. ***MAJOR SUBDIVISIONS*** may incorporate more than one phase of development.

(2) ***MINOR SUBDIVISION.*** A subdivision of four or fewer lots fronting on existing streets and not requiring the creation of any new street or extension of municipal facilities.

SURVEYOR. A licensed state land surveyor or a registered professional land surveyor, as authorized by the Professional Land Surveying Practices Act (V.T.C.A., Tex. Occupations Code. Ch. 1071)

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY (TCEQ). The environmental agency for the state.

THOROUGHFARE PLAN. The plan of major and secondary streets and highways, which is the part of the comprehensive plan adopted by the City Council.

(Ord. 2010-08, passed 3-9-10; Am. Ord. 2012-21, passed 10-9-12; Am. Ord. 2022-49, passed 9-13-22; Ord. 2025-16, passed 6-10-25)

§ 154.02 AUTHORITY AND PURPOSE.

(A) This chapter is adopted under the authority of the Constitution and laws of the State of Texas, specifically Tex. Loc. Gov't. Code, Ch. 212 regarding Municipal Regulation of Subdivisions and Property Development, as amended. The regulations contained herein shall govern every subdivision of land as defined within the corporate limits of the city.

(B) The purpose of this chapter is to provide for the orderly, safe and healthful development of the areas within the city. Specifically, this chapter is intended to coordinate the orderly subdivision of property along with other city ordinances relating to flood prevention and protections, zoning, site development review, access and off-street parking, building codes and other development related codes.

(Ord. 2010-08, passed 3-9-10; Ord. 2025-16, passed 6-10-25)

§ 154.03 FEES.

Fees shall be as presented in the Fee Schedule approved by the City Council as part of the current fiscal year's operating budget.

(Ord. 2010-08, passed 3-9-10)

§ 154.04 THOROUGHFARE PLAN.

(A) The thoroughfare plan map attached to Ordinance 2004-15 as Exhibit "A" and incorporated herein by reference for all relevant purposes as if set forth at length herein, is hereby adopted and approved by the City Council as the transportation thoroughfare plan map. All prior thoroughfare plans and associated thoroughfare plan maps are hereby repealed, and the comprehensive plan is amended to reflect the changes shown in the thoroughfare plan map herein adopted.

(B) The transportation thoroughfare plan is the city's general plan for guiding thoroughfare system development, including sidewalks, the planned widening and extension of its roads, streets and public highways within the city. The plan indicates the needed rights-of-way, general alignments for planned new roadways, as well as plans for widening and extensions of existing thoroughfares. Proposed general alignments are shown for planned new roadways, but actual alignments may vary depending upon the topography of the land and changing conditions. The importance of thoroughfare planning is to decide, in advance, the general location and type of thoroughfares that are needed to serve the projected future mobility needs of the city and region, and to require consideration of thoroughfare right-of-way needs concurrent with new development or redevelopment.

(C) Sidewalks and other pedestrian pathways such as linear parks along drainage channels are necessary to move people safely to and from schools and commercial areas while providing opportunity for neighborhoods to be more neighborly and residents to walk, exercise and the like.

(D) The plan shows approximate alignments and right-of-way requirements for planned thoroughfares that should be considered in platting of subdivisions, required right-of-way dedication and construction of major roadways. The plan does not show future alignments of residential streets because the function of these streets is to provide access to adjacent land development. The alignment of residential streets may vary depending upon specific development plans. Minor collectors' alignments are to be determined based on function approval during the planning process for new developments.

(E) The original of the thoroughfare plan map shall be filed in the office of the City Secretary. This copy shall be the official map and shall bear the signature of the Mayor and attestation of the City Secretary. This copy shall not be changed in any manner except as the Council may amend this thoroughfare plan from time to time. In case of any question, this copy, together with any amending ordinances, shall be controlling.

(F) Additional copies of the original map shall be placed in the offices of the Planning and Development Director and the Public Works Director. These copies shall be maintained up-to-date by posting thereon all subsequent amendments and shall be identified as the official thoroughfare plan map.

(Ord. 2010-08, passed 3-9-10; Ord. 2025-16, passed 6-10-25)

§ 154.05 OVERVIEW.

(A) A filed plat shall be required in accordance with the procedures outlined in this chapter in the following circumstances:

(1) Subdivision of land into two or more parts;

(2) Changing the configuration of existing filed plats;

(3) Division of land where there is no access to the tract(s);

(4) Division of land where new public infrastructure is required; or

(5) Prior to obtaining building permits on unplatted lots.

(B) If the Director of Planning and Development or his or her designee determines that a plat or replat is required, no building permit shall be issued by the city until satisfactory compliance is achieved.

(C) The subdivider, developer or person requesting plat approval will be required to install, at his or her own expense, all water lines, streets, street signs, sewer lines, storm sewer lines, drainage facilities and structures within the subdivision, in accordance with city standards governing the same, including all engineering costs covering design, layout and construction. When a street pavement of a greater width than 42 feet, back of curb to back of curb, is required by the city, the city shall pay the cost of paving the additional width and associated costs. There will be no participation by the city in the cost of any of the underground utility lines or drainage facilities, within the subdivision, except in the event of the requirement for oversize mains to serve land areas and improvements beyond the subdivision in question or to serve other subdivisions. The city's participation will be considered individually, upon the merits of each facility and the condition involved, and shall be in accordance with policies set forth by the City Council. All utility mains will be sized to meet the acceptable services/pressures adopted by the city. The city will not participate in water mains eight inches or larger in diameter and sewer mains eight inches or larger in diameter unless these mains are required by the city for future expansion and which are not required to serve the development in question with acceptable services/pressures adopted by the city.

(Ord. 2010-08, passed 3-9-10)

§ 154.06 DEVELOPERS PRESENCE REQUIRED.

The developer or his or her authorized representative must be present at all Planning and Zoning Commission Meetings and City Council meetings at which his or her plan or plat is on the agenda for discussion or action. Failure of the developer or his or her authorized representative to appear before the Planning and Zoning Commission or City Council during a meeting on which the plan or plat is on the agenda for discussion or action may be deemed a withdrawal of the plat or plan.

(Ord. 2010-08, passed 3-9-10)

§ 154.07 EXEMPTIONS.

The provisions of this chapter do not apply to:

(A) The division of land within city limits by metes and bounds in parcels five acres or more where each parcel has access to a public street and no public improvement is required;

(B) Cemeteries complying with all state and local laws and regulations;

(C) Divisions of land created by a court of competent jurisdiction;

(D) The use of two or more platted lots to create a larger development site:

(1) The proposed use is the same as that for which the subdivision was platted by the subdivider (i.e., in R-1 zoning district, only one home may be constructed on both adjoining lots);

(2) No increase is anticipated in the estimated traffic generation or utility demands; and

(3) Off-site storm water runoff is neither increased nor concentrated.

(E) The division of an existing legal lot, the division being caused by the city's acquisition of a part of the legal lot, when the Council finds that the acquisition by the city is in the best interest of the public health, safety and welfare of the citizens of Harker Heights. Upon the Council so finding, the resulting parcels shall be deemed to constitute legal lots for the purposes of developing under the requirements of this chapter and other applicable city regulations. In creating the division, the Council is empowered to attach to the resulting parcels acquired by the city, and the remainder parcels not acquired by the city upon agreement with the owner, such conditions as it finds reasonable and necessary to offset any adverse effects resulting from the city's acquisition as a part of the original legal lot, in so far as any such condition is not contrary to the spirit and intent of the ordinance.

(Ord. 2010-08, passed 3-9-10; Ord. 2025-16, passed 6-10-25)

§ 154.08 BUILDING PERMITS.

No building permit, certificate of occupancy, plumbing permit, electrical permit or utility tap shall be issued by the city for or with respect to any land within the city limit for any parcel of land which was developed not in conformity with the provisions of this chapter until full compliance and proper approvals have been obtained.

(Ord. 2010-08, passed 3-9-10)

§ 154.09 SITE PREP PLAN.

No excavation of land or construction of any public or private improvements shall take place or commence prior to obtaining a site preparation permit and no public infrastructure construction shall begin within any proposed subdivision until such time as the city approves the plans and specifications for such subdivision and the construction of the approved erosion and sediment control measures.

(Ord. 2010-08, passed 3-9-10)

§ 154.10 APPEALS.

Decisions of the Director of Planning and Development may be appealed first to the City Manager and then to the City Council.

(Ord. 2010-08, passed 3-9-10)

PLATTING PROCESS

§ 154.20 GENERAL RESIDENTIAL AND COMMERCIAL.

(A) The owner of a lot, tract, site or parcel must obtain final plat approval for any subdivision or development activity to which this chapter applies. The plat approval process generally consists of the following procedures:

(1) *Application forms and procedures.*

(a) *Pre-application meeting.*

1. One or more pre-application meetings with city staff for review and discussion of the applicant's proposed development. The preapplication meeting is the initial step in the development process intended to introduce basic project components and area information. The pre-application meeting provides the opportunity for review, analysis, and discussion of basic project intent, design, components and compatibility.

2. Prior to submitting a concept plan, preliminary plat, final plat, replat, minor plat, or amending plat the applicant shall schedule an appointment through the Planning and Development Department to meet with city staff. The purposes of the pre-application meeting is to review the proposed development with regard to stormwater design requirements and goals of Harker Height's TPDES permit; to discuss the procedures for approval of the plat and the requirements as to general layout of streets and/or reservations of land, street improvements, drainage, sewerage, water service, fire protection, and similar matters, as well as the availability of existing services; and to discuss application procedures and submittal requirements. A preapplication meeting checklist is located on the city's website.

(b) The following design standards, specifications, and requirements, as amended, are incorporated by reference into this chapter and are located on the city's website:

1. Concept Plan/Revised Concept Plan Checklist.

2. Preliminary Plat/Revised Preliminary Plat Checklist.

3. Final Plat/Replat/ Minor/ Amending Plat Checklist.

(c) The Planning and Development Director may establish procedures and forms with regard to the content, format and number of copies of information constituting an application for a concept plan, preliminary plat, final plat, minor replat, amending plat or replat.

(d) *Approval criteria.* Applications for the approval of plats as defined by this chapter shall be evaluated for compliance with these regulations and the requirements contained in the City's Drainage Criteria Manual, all of which are incorporated herein by reference. The determination of infrastructure needs and capacity and the delineation of floodplain or other limitations on development will be done only during the review and approval of either a preliminary or a final plat complete with required engineering plans and required applicable checklist items. The approval of any plat other than a final plat does not certify the availability or capacity of infrastructure or that the property is suitable for development.

(2) Submission of an application and a concept plan by the applicant for initial review by city staff, with final review and approval required by the Planning and Zoning Commission and the City Council.

(a) Concept plan. The purpose of the concept plan is to demonstrate compatibility of the proposed development with this chapter and other applicable city ordinances, and the coordination of improvements within and among individually platted parcels, sections, or phases of a development, and the surrounding properties prior to the consideration of a preliminary plat. The concept plan is an opportunity to detect and correct design challenges before the developer prepares detailed engineering documents, but does not constitute the submittal of a plat.

(b) Any residential development involving four or fewer lots fronting on an existing street and not requiring the creation of any new street or the extension of any municipal facilities does not require the submittal of a concept plan.

(c) In lieu of a concept plan, the City Manager may permit submittal of a site plan at the time of building permit application.

(d) The concept plan shall contain or have attached thereto the following:

1. Name of the developer, record owner, and authorized agents, proposed name of the development.

2. A layout of the entire tract, including internal lots, and its relationship to adjacent property, existing development and recorded plats, showing the existing property lines of the land being subdivided, north indicator, and scale.

3. Topographic contours available from the U.S. Geological Survey.

4. Significant drainage features and structures including any regulatory one-hundred-year floodplains, the location of existing watercourses, dry creek beds, wells, sinkholes and other similar features.

5. Specific information related to land use for the proposed development and adjoining property for a distance of 300 feet.

6. Building placement and building envelopes.

7. Parking layout.

8. General landscaping and buffer areas.

9. Location of all existing and proposed water and sewer lines.

10. All existing and/or proposed public utility easements and private easements.

11. Location of all existing and proposed stormwater drainage easements or onsite detention plan.

12. Location of all existing and proposed streets, sidewalks, alleys, and access points.

13. Vehicular circulation/ connectivity plan.

14. Location of all existing and proposed fire/emergency vehicle access lanes.

15. Location of all existing and proposed fire hydrants.

(e) A concept plan shall be submitted to the Planning and Development Department prior to the submittal of a preliminary plat unless the Director of Planning and Development authorizes concurrent filing.

(f) The concept plan shall be drawn on 24" x 36" sheets and/or on a plat document size format so as to be consistent with the preliminary/final plat document. When more than one sheet is necessary to illustrate the entire area, an index sheet showing the entire subdivision, at a scale sufficient to identify the drawings that follow, shall be attached to the concept plan document.

(g) The City Manager or his designated appointee will have the authority to review and approve any substantial amendments to a prior concept plan.

(h) An approved concept plan shall expire if there is more than a 24-month period of time between its approval and the submittal of a preliminary plat.

(3) Submission of a preliminary plat and preliminary engineering drawings by the applicant for review and approval by the Planning and Zoning Commission and City Council.

(4) Submission of final engineering drawings and construction of infrastructure by the applicant for approval by the Director of Planning and Development and the Director of Public Works.

(5) Submission of a final plat by the applicant for review and approval by the Director of Planning and Development along with a letter of credit or performance bond for any infrastructure item that is not complete. The Planning and Development Director may not disapprove the plat but shall refer any plat to the Planning and Zoning Commission if the applicant refuses to implement the Director's recommendations.

(6) Submission of Mylars, field notes, dedication, and as built drawings signed by a Texas Professional Engineer (when required). In addition, if the applicant is other than a natural person acting on his own behalf, submit a resolution, unanimous consent, or other such instrument in recordable form authorizing specific persons to act on behalf of the applicant in requesting final plat approval.

(7) Filing of final plat.

(B) Applications for minor plats, replats, amending plats, preliminary plats and final plats shall be submitted to the Planning and Development Department. Applications shall contain the following.

(1) *Application.* Completed application form.

(2) *Fee.* Application fee as established by the City Council and stated in the city's fee schedule.

(3) *Copies.*

(a) Preliminary plats shall require ten paper copies of the plat, and seven sets of preliminary engineering drawings with necessary calculations. After plat comments are approved by the City Council, the developer shall submit three corrected copies of the plat and/or engineering drawings if changes to the plat and/or engineering drawings are required. Corrected copies should be submitted before construction begins on the subdivision.

(b) Final plats shall require ten paper copies of the plat and seven sets of final engineering drawings with necessary calculations. After plat comments are approved by the Planning and Zoning Commission, and the City Council if necessary, the developer shall submit three corrected copies of the plat and/or engineering drawings if changes to the plat and/or engineering drawings are required.

(c) A digital copy of the final plat must be submitted. Digital final plat files should be submitted in DXF, DWG or GIS shapefile/feature class/coverage format. This digital format shall be an exact replica of any required and/or included data represented on the submitted hard copy of the final plat. Engineering drawings are excepted from this requirement. This data must be provided on standard transfer media or by electronic transfer (three and one-half inch floppy disk or CD-ROM, DVD, e-mail attachment or any other media as approved by the city Planning Department). The submitted transfer media shall be labeled with the project name (subdivision name) and filing date. State Plane 83 Texas South Central Zone 4204 coordinate system should be the base of all submissions whenever possible.

(4) *Time line.* Submittal of plats and engineering drawings, not meeting the standards for being a minor plat, shall be made 28 days prior to the scheduled Planning and Zoning Commission meeting as preliminary plats and preliminary engineering drawings. Preliminary plats and preliminary engineering drawings shall be presented to the Council within 30 days of action being taken by the Planning and Zoning Commission. Final plats and final engineering drawings shall be reviewed by the Director of Planning and Development. Final plats and final engineering drawings shall be reviewed by the Planning and Zoning Commission and the Council only if the Director of Planning and Development finds that there is substantial deviation, as defined in § 154.21(B), from the preliminary plat or preliminary engineering drawings. If the Director of Planning and Development rules that a final plat and/or final engineering drawings substantially deviate from the approved preliminary plat and/or preliminary engineering drawings, then the Planning and Zoning Commission shall have 30 days from the date of application of the plat to make a ruling and the City Council shall have 30 days from the date of the Planning and Zoning Commission's ruling to take action on the final plat.

(5) *Post approval of final plat.* The developer shall provide the city with two original reproducible Mylars and two paper copies of the plat with the required original signatures, dedications and specific notations.

(6) *As built drawing submittal requirements.* The developer shall provide the city with a digital copy and a single set of paper drawings of the constructed infrastructure. These drawings shall meet the requirements as set in § 154.25, "As Built Drawings". Digital as built files should be submitted in PDF, DXF, DWG or GIS shapefile/feature class/coverage format. This digital format shall be an exact replica of any required and/or included data represented on the submitted hard copy drawing/document. This data must be provided on standard transfer media or by electronic transfer (three and one-half inch floppy disk or CD-ROM, DVD, e-mail attachment or any other media as approved by the city Planning Department). The submitted transfer media shall be labeled with the project name (subdivision name) and filing date. State Plane 83 Texas South Central Zone 4204 coordinate system should be the base of all submissions whenever possible. Failure to do so could result in revocation or denial of construction permits and/or certificate of occupancy.

(Ord. 2010-08, passed 3-9-10; Am. Ord. 2012-21, passed 10-9-12; Am. Ord. 2014-25, passed 10-28-14; Am. Ord. 2023-48, passed 12-12-23)

§ 154.21 PRELIMINARY PLAT.

(A) *General.* The preliminary plat and preliminary engineering drawings shall show all proposed phases of development of an area of land under the same ownership. Approval or conditional approval of the concept plan (if required), the preliminary plat and preliminary engineering drawings is required by the Planning and Zoning Commission and City Council prior to consideration of the final plat and final engineering drawings by the Director of Planning and Development. Preliminary plats and preliminary engineering drawings shall be deemed approved if no action is taken by the Planning and Zoning Commission within 30 days of submittal, and if no action is taken by the City Council within 30 days of Planning and Zoning Commission approval.

(B) *Changes to preliminary plat.* An approved preliminary plat and/or preliminary engineering drawings is binding and must be complied with; however, it may be amended at the request of the developer, or required by the city per this section. Substantial amendments or changes to an approved preliminary plat or preliminary engineering drawings must be reviewed and approved by the Planning and Zoning Commission as well as by the City Council. Minor amendments may be approved by the Planning and Development Director. Minor amendments are those that:

(1) Increase by 10% or less the number of lots or potential structures that can be accommodated by the infrastructure;

(2) Reduce the number of lots; and

(3) Any proposed change in infrastructure is considered a major amendment, unless deemed by the Public Works Director as a minor amendment.

(C) *Form and content.* A complete submission for approval shall contain ten paper copies of the plat and seven paper copies of the engineering drawings. Failure to submit the plat and engineering drawings together in the quantities as stated herein at the time of submission shall be deemed an incomplete submission. The submission shall not be considered complete until all required documents (plat and engineering documents) in their respective quantities as stated herein are submitted.

(1) *Preliminary plat.* The preliminary plat shall be prepared and sealed by a Texas Licensed Professional Engineer or Texas Registered Professional Land Surveyor and plotted on 22 inch by 34 inch sheets at a scale of one inch to 100 feet or larger. The plat shall conform to the general requirements and minimum standards of design and requirements, and shall include the following elements as applicable:

(a) A cover sheet is required for all plats involving three or more sheets. All plan sheet numbers shall be placed on the cover along with the corresponding plan sheet titles. This cover sheet should include a listing of all plan sheet numbers and plan sheet titles in the engineering drawings as well. A vicinity map should always be included on the cover sheet to show the project location;

(b) Title block including proposed subdivision name, phase, block and lot numbers, current legal description (or reference thereto), acreage, name and address of property owner, name and address of surveyor/engineer, date of survey, date of preparation and page content title. This title block shall be present on each page of the plat;

(c) Index sheet for plats with more than one sheet that shows the entire subdivision drawn to a scale of not less than one inch equals 100 feet;

(d) Legal description, existing boundary, lot lines and right-of-way lines of streets and easements with accurate dimensions, bearings, deflection angles, radii and central angles of all curves;

(e) Phasing plan if subdivision is to be constructed in phases;

(f) Lot lines shall have line dimensions clearly displayed within the lot along with the lot's respective lot number. Groups of lots that are considered within a block shall have the block number clearly displayed;

(g) All right-of-way lines and easements shall be clearly displayed on the plat. The plat shall clearly display the location, size and purpose of all existing and proposed easements on or adjoining the property;

(h) Location of existing and proposed streets, alleys, bikeways and sidewalks on or adjoining the site. Such information shall include name, right-of-way widths, type and width of surfacing. All private streets shall be clearly labeled;

(i) Any areas reserved or dedicated for public uses;

(j) Easements and street stub-outs necessary to serve adjacent properties;

(k) Adjacent property information including present ownership, legal descriptions (recorded volume and page) and property lines within 100 feet;

(l) Primary control points or descriptions and ties to such control points to which all dimensions, angles, bearings and similar data shall be referred. The plat shall be located with respect to a corner of the surveyor tract, or an original corner of the original survey of which it is a part. Temporary benchmarks and NGS datum shall be described on each sheet;

(m) Scale, basis of bearing and benchmarks (datum) and description shall all be clearly displayed on the plat; and

(n) A north arrow is required on all sheets and should be oriented either upward or to the right. It is the intent of this requirement that all stationing should start from cardinal points of the compass and proceed in the direction of construction.

(2) *Preliminary engineering drawings.* Preliminary engineering drawings shall be prepared and sealed by a Texas Licensed Professional Engineer and plotted on 22 inch by 34 inch sheets at a scale of one inch to 100 feet or larger. The preliminary engineering drawings shall match the features found on the preliminary plat and they shall conform to the general requirements and minimum standards of design and requirements in accordance with the most current edition of the *Standard Specifications for Public Works Construction, North Central Texas* adopted by the city, and shall include the following elements as applicable:

(a) Title block including proposed subdivision name, phase(s), block and lot numbers, current legal description (or reference thereto), acreage, name and address of property owner, name and address of surveyor/engineer, date of survey, date of preparation and page content title. This title block shall be present on each page of the preliminary engineering drawings;

(b) Water layout plan view to include rough locations of service connections, pipe diameters, valves, hydrants and flush assemblies;

(c) Sanitary sewer layout plan to include rough locations of service connections, pipe diameters, cleanouts and manholes;

(d) Street and sidewalk layout plan view; and

(e) Storm water drainage layout plan (drainage calculations are only necessary on major drainage structures at this step).

(D) *Processing preliminary plat.*

(1) Submission of preliminary plat application along with all items required in § 154.20 (B)(3)(a).

(2) The preliminary plat and preliminary engineering drawings shall be reviewed by the Planning and Development Department for conformity with the city's plans, thoroughfare plan, utility master plan, engineering standards and specifications, city ordinances and other applicable city standards. Upon completion of this review, the preliminary plat and preliminary engineering drawings shall be submitted to the Planning and Zoning Commission.

(3) The Planning and Zoning Commission shall review the preliminary plat, preliminary engineering drawings and all staff's recommendations. Particular attention will be given to the arrangement, location and width of streets, their relation to the topography of the land, lot sizes and arrangement, water and sewer lines, drainage, the further development of adjoining lands and the requirements of city ordinances, policies and plans.

(4) The Planning and Zoning Commission shall act on the preliminary plat and preliminary engineering drawings and may advise the developer of any specific changes or additions they will require in the layout, or comment on the character and extent of improvements and dedications that will be required prior to infrastructure construction and as a prerequisite to the approval of the final plat and final engineering drawings.

(5) The Planning and Zoning Commission shall forward the preliminary plat and preliminary engineering drawings with their approval to the City Council for their consideration. The Planning and Development Director shall inform the developer in writing of the decision of the Planning and Zoning Commission and City Council including any conditions for approval or reasons for disapproval. If disapproved by the Planning and Zoning Commission or the City Council, the applicant may resubmit a preliminary plat and preliminary engineering drawings addressing the concerns of the Planning and Zoning Commission and the City Council for reconsideration.

(6) A preliminary plat and preliminary engineering drawings shall expire 24 months after approval unless:

(a) An extension is applied for and granted by the Director of Planning and Development if the city's regulations and requirements have not changed;

(b) Final plat submittal, on at least one phase, occurs within 24 months following the initial approval; or

(c) Preliminary plats and preliminary engineering drawings will also expire if there is a more than a 24 month period of time between approval and submittal of any phase of the preliminary plat.

(7) Submittal shall be 28 days prior to the scheduled Planning and Zoning Commission meeting. The plat and engineering drawings shall be presented to the Council within 30 days of action being taken by the Planning and Zoning Commission for their consideration. The plat and engineering drawings shall be considered approved if the Council does not act on it within 30 days after the Planning and Zoning Commission has acted on it.

(Ord. 2010-08, passed 3-9-10; Am. Ord. 2012-21, passed 10-9-12; Am. Ord. 2014-25, passed 10-28-14)

§ 154.22 FINAL PLAT.

(A) *General.* The final plat and final engineering drawings shall be substantially consistent per requirements in § 154.21(B) with the preliminary plat and preliminary engineering drawings for the subject phase of construction. The first phase of a subdivision shall have its final plats and final engineering drawings submitted within 24 months of approval of preliminary plat and preliminary engineering drawings after which time, a new preliminary plat and preliminary engineering drawings may be required. Final plats and final engineering drawings shall be deemed approved if no action is taken by the Planning and Development Director within 30 days of submittal or 60 days if the final plat is referred by the Planning and Development Director to the Planning and Zoning Commission and the City Council due to substantial deviation from the preliminary plat as determined by § 154.21(B).

(B) *Form and content.* A complete submission for approval shall contain ten paper copies of the plat and seven paper copies of the engineering drawings. Failure to submit the plat and engineering drawings together in the quantities as stated herein at the time of submission shall be deemed an incomplete submission. The submission shall not be considered complete until all required documents (plat and engineering documents) in their respective quantities as stated herein are submitted.

(1) *Final plat.* Shall be prepared and sealed by a Texas Licensed Professional Engineer or Texas Registered Professional Land Surveyor and plotted on 22 inch by 34 inch sheets at a scale of one inch to 100 feet or larger. The plat shall conform to the general requirements and minimum standards of design and requirements, and shall include the following elements as applicable:

(a) A cover sheet is required for all plats involving three or more sheets. All plan sheet numbers shall be placed on the cover along with the corresponding plan sheet titles. Cover sheet shall include all plan sheet numbers and plan sheet titles shown in the engineering drawings as well. A vicinity map should always be included on the cover sheet to show the project location;

(b) Title block including proposed subdivision name, phase, block and lot numbers, current legal description (or reference thereto), acreage, name and address of property owner, name and address of surveyor/engineer, date of survey, date of preparation and page content title. This title block shall be present on each page of the plat;

(c) Legal description, existing boundary, lot lines and right-of-way lines of streets and easements with accurate dimensions, bearings, deflection angles, radii and central angles of all curves;

(d) Index sheet for plats with more than one sheet that shows the entire subdivision drawn to a scale of not less than one inch equals 100 feet;

(e) Lot lines shall have line dimensions clearly displayed within the lot along with the lot's respective lot number. Groups of lots that are considered within a block shall have the block number clearly displayed;

(f) All right-of-way lines and easements shall be clearly displayed on the plat. The plat shall clearly display the location, size and purpose of all existing and proposed easements on or adjoining the property;

(g) Location of existing and proposed streets, alleys, bikeways and sidewalks on or adjoining the site. Such information shall include name, right-of-way widths, type and width of surfacing. All private streets shall be clearly labeled;

(h) Any areas reserved or dedicated for public uses;

(i) Notes addressing how lots with low wastewater service tolerances will be served;

(j) Delineation of the Federal Emergency Management Association (FEMA) Special Flood Hazard Area as well as any hazards from adjacent detention facilities or as required by the city;

(k) Easements and street stub-outs necessary to serve adjacent properties;

(l) Adjacent property information including present ownership, legal descriptions (recorded volume and page) and property lines within 100 feet;

(m) Primary control points or descriptions and ties to such control points to which all dimensions, angles, bearings and similar data shall be referred. The plat shall be located with respect to a corner of the surveyor tract, or an original corner of the original survey of which it is a part. Temporary benchmarks and NGS datum shall be described on each sheet;

(n) Scale, basis of bearing and benchmarks (datum) and description shall all be clearly displayed on the plat;

(o) A north arrow is required on all sheets and should be oriented either upward or to the right. It is the intent of this requirement that all stationing should start from cardinal points of the compass and proceed in the direction of construction;

(p) Minimum building setback lines on all lots and other sites;

(q) Signature/certification blocks. All final plats shall have affixed to the first page of the plat sheets to be recorded the following elements as applicable:

1. A surveyor's certificate, in the following format, shall be placed on the final plat:

KNOW ALL MEN BY THESE PRESENTS:

That I, _____, do hereby certify that I prepared this plat from an actual and accurate survey of the land and that the corner monuments shown thereon were properly placed under my personal supervision, in accordance with the Subdivision and Property Development Regulations of the City of Harker Heights, Texas.

_____

Signature

_____

Texas Reg. No.

2. An original certificate of ownership and of dedication of all streets, alleys, easements and lands to public use forever, signed and acknowledged before a notary public by the owner of the land, shall appear on the face of the map, containing complete and accurate description of the property being platted and the streets dedicated;

3. A certificate of approval by the Planning and Zoning Commission, in the following format, shall be placed on the final plat.

Approved this _____day of ____, _____, by the Planning and Zoning Commission of the City of Harker Heights, Texas.

_____

Chairperson, Planning and Zoning Commission

_____

Secretary, Planning and Zoning Commission

4. A certificate of approval by the City Council, in the following format shall be placed on the final plat:

Approved this _____ day of _____, by the City Council of the City of Harker Heights, Texas.

_____

Mayor

_____

City Secretary

5. A certificate of approval by the Director of Planning and Development, in the following format shall be placed on the final plat:

Approved this the _____ day of _____, by the Director of Planning and Development of the City of Harker Heights, Bell County, Texas.

_____

Director of Planning and Development

6. A tax certification block, in the following format, shall be placed on the final plat:

The Bell County Tax Appraisal District, the taxing authority for all entities in Bell County, Texas, does hereby certify that there are currently no delinquent taxes due or owing on the property described by this plat.

Dated this _____ day of _____, A.D.____

Bell County Tax Appraisal District

By: _____

7. A recordation block, in the following format, shall be placed on the final plat:

FILED FOR RECORD this _____day of _____, _____ in Cabinet _____, Slide(s) _____, Plat Records of Bell County, Texas. Dedication instrument in Instrument # _____, Deed Records of Bell County, Texas.

(2) *Final engineering drawings.* Engineering drawings shall be prepared and sealed by a Texas Licensed Professional Engineer and plotted on 22 inch by 34 inch sheets at a scale of one inch to 100 feet or larger. The engineering drawings shall match the features found on the final plat and they shall conform to the general requirements and minimum standards of design and requirements in accordance with the most current edition of the Standard Specifications for Public Works Construction, North Central Texas, and shall include the following elements as applicable:

(a) Title block including proposed subdivision name, phase, block and lot numbers, current legal description (or reference thereto), acreage, name and address of property owner, name and address of surveyor/engineer, date of survey, date of preparation and page content title. This title block shall be present on each page of the engineering drawings;

(b) Lot layout showing the area in square feet of each lot proposed;

(c) Water layout plan, fire flow/water design report, details;

(d) Sanitary sewer layout plan and profiles, a wastewater design report, details, specifications, lift station capacity and a detailed engineering estimate;

(e) Street plan and profiles, to include paving details and a traffic control plan (if applicable);

(f) Street light layout;

(g) Display natural ground profiles of each right-of-way or easement line. Centerline profiles will be satisfactory for right-of-way or easements, except where there is a difference of 0.50 foot or more from one right-of-way or easement line to the other line measured parallel at any point along the right-of-way or easement;

(h) Storm water plan and profiles of culverts and channels, a grading plan with two foot contours, a drainage report, an erosion and sedimentation control plan, delineated drainage basins, details for all structures, specifications and a detailed engineering estimate;

(i) Existing contours at intervals of two feet for grades up to 5% and not more than five feet for grades over 5%;

(j) Drainage information and calculations required by Chapter 156, including, but not limited to, drainage channel and detention pond locations and approximate size of facilities. Flow line elevations shall be shown along with direction of flow of all existing or proposed drainage features;

(k) Drainage structures, 100-year floodplain, floodway, watercourses, railroad, structures and other physical features on or adjacent to the site;

(l) Location and size of all existing and/or proposed city utilities, and all others where known. All city utility lines six inches in diameter or larger within the right-of-way shall be shown on the profile view. All utility lines, regardless of size, should be shown in the plan view, where known;

(m) Major thoroughfare plans and profiles shall be drawn at a scale of one inch equals two feet vertically and one inch equals 20 feet horizontally. Minor streets and easement plans and profiles shall be drawn at a scale of one inch equals five feet vertically and one inch equals 50 feet horizontally or one inch equals four feet vertically and one inch equals 40 feet horizontally. Label each plan sheet as to street widths, right-of-way widths, pavement width and thickness, type of roadway materials, curbs, intersection radii, curve data, stationing, existing utilities type and location. Stationing must run from left to right, except for short streets or lines originating from a major intersection where the full length can be shown on a single plan and profile sheet;

(n) Texas Department of Transportation (TXDOT) approvals for driveway and drainage into their jurisdiction, if applicable;

(o) Existing conditions such as marshes, wooded areas, buildings and other significant features;

(p) Significant features on adjacent properties such as slopes, structures and power lines;

(q) Grading, erosion and sedimentation control plan;

(r) Details of all special structures and standard details, such as drainage features, streams and gully crossing, special manholes and the like, shall be drawn with the vertical and horizontal scales equal to each other; and

(s) Station all point of curvature (P.C.'s), point of tangency (P.T.'s) radius returns and grade change point of intersection (P.I.'s) in the profile with their respective elevations.

(3) *Resolution/dedication/field notes.* The applicant will furnish the city with a signed, original copy of the dedication, resolution and field notes, as applicable, at the same time the final plat and final engineering drawings are submitted for approval.

(C) *Processing final plat.*

(1) Submission of application as provided under § 154.20(B)(3)(b).

(2) The final plat and final engineering drawings shall be reviewed by the Planning and Development Department for conformity with the approved preliminary plat and preliminary engineering drawings, city's plans, thoroughfare plan, utility master plan, engineering standards and specifications, city ordinances and other applicable city standards. Upon completion of this review, the final plat and final engineering drawings shall be approved by the Director of Planning and Development or submitted to the Planing and Zoning Commission for review.

(3) If forwarded onto the Planning and Zoning Commission, the commission shall study the final plat and final engineering drawings and all recommendations. Particular attention will be given to the arrangement, location and width of streets, their relation to the topography of the land, lot sizes and arrangement, water and sewer lines, drainage, the further development of adjoining lands and the requirements of city ordinances, polices and plans. The Planning and Zoning Commission shall act on the plat and engineering drawings and may advise the developer of any specific changes or additions they will require in the layout, or comment on the character and extent of improvements and dedications that will be required as a prerequisite to the approval of the final plat and final engineering drawings. The final plat and final engineering drawings approval is the Planning and Zoning Commission's responsibility, unless the Commission forwards the final plat and final engineering drawings to the Council because of a deviation from the preliminary plat and preliminary engineering drawings as defined in § 154.21(B).

(4) The final plat and final engineering drawings shall not be; approved, conditionally approved or filed for record and no permits shall be issued until the applicant posts with the city a letter of credit/performance bond for any infrastructure construction remaining.

(Ord. 2010-08, passed 3-9-10)

§ 154.23 GUARANTEE OF PERFORMANCE.

(A) *General.* In order to record an approved final plat in which public infrastructure improvements are required, the developer shall construct the improvements to the approval of the city or file a guarantee of performance in lieu of completing the infrastructure prior to recordation of the plat. All such construction shall be inspected while in progress by the Public Works Department and must be approved upon completion by the Public Works Director or his or her designee.

(B) *Filing a guarantee.* If the developer elects to file a guarantee of performance in lieu of completing construction prior to recording the plat, one of the following methods of posting security shall be used, while the city does reserve the right to select which of the following guarantees of performance is utilized.

(1) Unconditional letter of credit from a local bank, local federally insured Savings and Loan Association or other financial institution in a form acceptable to the city and signed by a principal officer of the institution, agreeing to pay to the city, on demand, a stipulated sum of money to apply to the estimated costs of completion of all required improvements, cost of completion of the required improvements being verified by the City Engineer.

The letter of credit shall be dated to expire not less than one year from the recordation of the final plat. If the required infrastructure is not complete within six months of acceptance of the letter of credit, the city shall use the funds to construct the improvements.

(2) Performance bond submitted with the city by a surety company holding a license to do business in the State of Texas, in a form acceptable to the city, in an amount equal to the estimated costs of completion of required improvements verified by the City Engineer. It shall be dated to expire not less than one year from the recordation of the final plat. If the required infrastructure is not complete within six months of acceptance of the letter of credit, the city shall use the funds to construct the improvements.

(C) *Guarantee of performance.* For the guarantee of performance, as described in this section, the Engineer whose stamp and signature are found on the final plat and final engineering drawings shall prepare a detailed estimate of outstanding infrastructure items to include the cost of each item, the cost of installation of each item and the total cumulative cost of all outstanding infrastructure items. This detailed estimate should be stamped and signed by the Engineer. The city's Engineer shall review this detailed estimate to ensure that all items are accounted for and are valued at costs that are reasonable given the market at the time of which the project occurs. The city may request that the developer make modifications to the detailed estimate to reflect comments from the city's Engineer. Once approved by the city's Engineer, the city will accept the guarantee of performance, as described in this section, for the total cumulative cost as shown on the detailed estimate, and the final plat shall be filed with the county.

(Ord. 2010-08, passed 3-9-10)

§ 154.24 MAINTENANCE BOND REQUIRED.

(A) Before the issuance of any building permit, the subdivider shall furnish the city with a maintenance bond, or other surety instrument such as a letter of credit or escrow account. The purpose of the maintenance bond/surety instruments is to assure the quality of materials and workmanship and maintenance of all required improvements including the city's costs for collecting the guaranteed funds and administering the correction and/or replacement of covered improvements in the event the subdivider defaults. The maintenance bond or other surety instrument shall be satisfactory to the city as to form, sufficiency and manner of execution. For water and sewer related improvements, the bond or other instrument shall be in an amount equal to 20% of the cost of improvements verified by the city Engineer and shall run for a period of one calendar year. Bonds or other instruments for streets and drainage facilities shall be in an amount equal to 40% of the improvements verified by the city Engineer and shall run for a period of two calendar years. Effective time frame for bonds or other instruments will be measured from the date of release of the performance surety instrument, or signing and recording of the final plat whichever is later. In an instance where a maintenance bond or other surety instrument has been posted and a defect or failure of any required improvement occurs within the period of coverage, the city may declare the bond or surety instrument to be in default and require that the improvements be repaired or replaced.

(B) Whenever a defect or failure of any required improvement occurs within the period of coverage, the city shall require that a new maintenance bond or surety instrument be posted for a period of one full calendar year, except streets and drainage channels and structures which will be for two calendar years. The amount of the bond or instrument will be equal to the amount required to correct the fault or failure. Effective time frame for the new maintenance bond or other instrument shall begin on the date the city inspects and approves the required correction.

(Ord. 2010-08, passed 3-9-10)

§ 154.25 AS BUILT DRAWINGS.

(A) *As built drawings.* The purpose of this requirement is to document the subdivision improvements as they were actually built. These drawings are required to replace the approved plans that are on file at the Director of Public Work's office and as such should contain all of the sheets presented in the final plat and final engineering drawings. These plans shall be labeled "as built" or "record drawings". These drawings shall minimally include:

(1) An index sheet listing all plan sheets presented in the as built drawings;

(2) Drawings shall contain information within tolerances pertinent to the intended function of the design;

(3) Waterlines and appurtenances shall be field located with a horizontal and vertical location within a tolerance of one foot, more or less;

(4) Gravity wastewater lines and manholes shall be field located with a vertical location within a tolerance of 0.1 foot, more or less, and a horizontal location within a tolerance of one foot, more or less;

(5) Pressure wastewater lines and appurtenances shall be field located with a horizontal and vertical location within a tolerance of one foot, more or less;

(6) Drainage facilities shall be field located with a vertical location within a tolerance of 0.1 foot, more or less, and a horizontal location within a tolerance of one foot more or less;

(7) Roadway and sidewalk paving shall be field located with a vertical location within a tolerance of 0.1 foot, more or less, and a horizontal location within a tolerance of one foot, more or less;

(8) All public facilities shall be shown to be located within public rights-of-way or appropriate easements; and

(9) The as built drawings shall be prepared by a Texas Licensed Professional Engineer and shall bear a certification from the Engineer as follows:

(a) "To the City of Harker Heights: I certify that the subdivision improvements shown on this sheet reflect any revisions of design as approved by the city and which I authorized, and/or any and all field changes of which I am aware."; and

(b) The certification shall be executed by, and shall bear the seal and original signature of the professional Engineer licensed in the State of Texas at the date of such certification that directly supervised the construction of the project pursuant to the Texas Engineering Practice Act.

(B) *As built drawing submital requirements.* The developer shall provide the city with a digital copy and a single set of drawings of the constructed infrastructure. A digital copy of the as built plat and its as built engineering drawings must be submitted. Digital as-built files should be submitted in PDF, DXF, DWG or GIS shapefile/feature class/coverage format. This digital format shall be an exact replica of any required and/or included data represented on the submitted hard copy drawing/document. This data must be provided on standard transfer media or by electronic transfer (three and one-half inch floppy disk or CD-ROM, DVD, e-mail attachment or any other media as approved by the city Planning Department). The submitted transfer media shall be labeled with the project name (subdivision name) and filing date. State Plane 83 Texas South Central Zone 4204 coordinate system should be the base of all submissions whenever possible. Failure to do so could result in revocation or denial of construction permits and/or certificate of occupancy.

(Ord. 2010-08, passed 3-9-10; Am. Ord. 2014-25, passed 10-28-14)

§ 154.26 SPECIAL PLATS OR PROCEDURES.

(A) *Amending plats.*

(1) *General.* A plat may be considered an amending plat solely for the purposes established in Tex. Loc. Gov't. Code, § 212.016.

(2) *Form and content.* The amending plat should depict both the current and the proposed configuration of all altered lots. The current configuration should be located on the left side of the plat and shall depict all information as required for a preliminary plat as provided in this chapter. The proposed configuration should be located on the right side of the plat and shall depict all information as required for a final plat as provided in this chapter.

(3) *Processing.* The Planning and Development Director, or the Planning and Zoning Commission and the City Council (if forwarded by the Director of Planning and Development) may approve and issue an amended plat, which may be recorded with the County Clerk and controls over the preceding plat without vacation of the plat, if the amended plat is signed by the applicant(s) and is solely for one or more of the following purposes as established by Tex. Loc. Gov't. Code, § 212.016:

(a) To correct an error in a course or distance shown on the preceding plat;

(b) To add a course or distance that was omitted on the preceding plat;

(c) To correct an error in the description of the real property shown on the preceding plat;

(d) To indicate monuments set forth after death, disability or retirement from practice of the Engineer or surveyor responsible for setting monuments;

(e) To show the proper location or character of any monument which has been changed in location or character or which originally was shown incorrectly as to location or character on the preceding plat;

(f) To correct any other type of scrivener's, clerical error or omission previously approved by the Planning and Zoning Commission and/or City Council, including lot numbers, acreage, street names and identification of adjacent recorded plats;

(g) To correct an error in courses and distances of lot lines between two adjacent lots where both lot owners join in the application for plat amendment and neither lot is abolished; provided, that such amendment does not attempt to remove recorded covenants or restrictions and does not have a material adverse effect on the property rights of the other owners in the plat;

(h) To relocate a lot line in order to cure an inadvertent encroachment of a building or improvement on a lot line or on an easement;

(i) To relocate one or more lot lines between one or more adjacent lots where the owner(s) of all such lots join in the application for the plat amendment; provided, that such amendment does not attempt to remove recorded covenants or restrictions and does not increase the number of lots;

(j) To make necessary changes to the preceding plat to create six or fewer lots in the plat if the changes do not affect applicable zoning and other regulations of the city, and the changes do not attempt to amend or remove any covenants or restrictions and the area covered by the changes is located in an area that the Planning and Zoning Commission and/or the City Council has approved, after a public hearing, as a residential improvement area; and

(k) To replat one or more lots fronting on an existing street if the owners of all those lots join in the application for the amendment. The amendment does not attempt to remove recorded covenants or restrictions or increase the number of lots; and, the amendment does not create or require the creation of a new street or make necessary the extension of municipal facilities.

(B) *Minor plats.*

(1) *General.* A plat of a subdivision involving four or fewer lots fronting on an existing street and not requiring the creation of any new street or the extension of any city infrastructure.

(2) *Processing.* Minor plats shall be approved by the Planning and Development Director if they meet all of the requirements. The Director may elect to forward the plat to the Planning and Zoning Commission for approval.

(3) *Form and content.* Minor plats will be required in general conformance with final plat procedures except in regards to the signature block. The Planning and Zoning and City Council certification blocks as described under final plat requirements should not be utilized on minor plats (all other certification blocks should be utilized). Minor plats should utilize the following certification block in the place of the Planning and Zoning and City Council certification blocks:

APPROVED this the _____ day of _____, by the Director of Planning and Development of the City of Harker Heights, Bell County, Texas.

_____

Director of Planning and Development

_____

Attest: City Secretary

(C) *Replat.*

(1) *General.* A replat is a revision of a previously platted subdivision that involves vacating the prior subdivision and re-subdivides the property that usually changes the number of lots in accordance with the Tex. Loc. Gov't. Code, Ch. 212. A replat shall follow the same procedures as are required for an original plat and shall comply with Tex. Loc. Gov't. Code, Ch. 212 of the Local Government Code, including requirements for public hearings and notifications. Replats may be approved administratively if they qualify under the following:

(a) Minor plats or replats involving four or fewer lots fronting on an existing street and not requiring the creation of any new street or the extension of municipal facilities; or

(b) A replat under Tex. Loc. Gov't. Code, § 212.0145 that does not require the creation of any new street or the extension of municipal facilities.

(2) *Form and content.* The replat shall depict both the current and the proposed configuration of all altered lots. The current configuration should be located on the left side of the plat and shall depict all information as required for preliminary plats as presented in § 154.21. The proposed configuration should be located on the right side of the plat and shall depict all the information as required for final plats as presented in Section § 154.22.

(D) *Vacating a plat.* (Refer to Tex. Loc. Gov't. Code, § 212.013). Vacating a plat should follow the same procedure as prescribed for the original plat.

(Ord. 2010-08, passed 3-9-10)

DESIGN STANDARDS

§ 154.35 DESIGN STANDARDS WITHIN CITY LIMITS.

No plat shall be approved and no improvements shall be accepted by the city unless they conform to or exceed the following standards and specifications and all other applicable standards unless an exception/variance is granted.

(A) *Conformity with zoning.* Parcels must be consistent with zoning standards of the zoning district the parcels are located in.

(B) *Conformity with land use plan.* The subdivision shall conform to the plans of the city and any parts, amendments and/or supplements thereto.

(C) *Conformity with design and construction standards for streets, sidewalks, drainage, water and sanitary sewer construction.* All construction of infrastructure improvements shall be in accordance with the city's design guidelines, utility master plans and engineering standards and specifications.

(D) *Certain detailed standards and specifications not covered herein.* In circumstances where public health and safety issues are identified, city staff shall specify additional requirements for a requested subdivision that are not covered within this chapter. No such requirements shall conflict with this or any other ordinances of the city.

(E) *Reserve strips.* There shall be no reserve strips of property that create unusable tracts added properties, and/or other non-conformities.

(F) *Provision for future re-subdivision.* If a tract is subdivided into parcels larger than ordinary building lot sizes, such parcels shall be arranged so as to allow for the opening of future streets and future subdivisions.

(Ord. 2010-08, passed 3-9-10; Am. Ord. 2014-25, passed 10-28-14)

§ 154.36 PUBLIC INFRASTRUCTURE IMPROVEMENTS.

(A) *Development costs.* The developer/property owner shall install, at his or her own expense, all water lines, streets, sidewalks, sewer lines, storm sewer lines, drainage facilities and structures within the subdivision, in accordance with city standards governing the same, including all engineering costs covering design, layout and construction.

(B) *Development mains.* Developers shall pay the actual cost of water and sewer main extensions, water towers and associated facilities and equipment, force mains and lift stations required to serve their development area including costs of right-of-way and easements acquisition. Required facilities shall be extended to the edge of adjacent land along street sides or as determined by the city.

(C) *Street over-sizing.* Where street over-sizing in excess of 42 feet in width is required by the city, the city shall reimburse the actual and reasonable cost directly attributable to such over-sizing (including the cost of additional pavement, additional subgrade and additional cross-drainage costs) as herein provided.

(1) *Reimbursement request.* In order to initiate a reimbursement request, the owner must establish a per linear foot oversize cost for the reimbursable public improvements. Requests for the reimbursement to the owner shall include owner's name and mailing address. The requests must include as built drawings showing the reimbursable items with quantities and unit costs, and other supporting or explanatory documentation. The cost for over-sizing shall be mutually agreed upon by the city and the developer.

(2) *Over-sizing requirements.* Upon acceptance of the infrastructure by the city, refunds for approved over-sizing shall be scheduled as of the next year's capital improvements program, unless funds are available earlier. If payment is not made within 60 days after acceptance by the city, interest will accrue at an agreed upon rate between the developer and the city.

(3) *Exceptions.* The City Council may modify the requirements of this section and may elect to participate in the cost of such developments if it finds that the circumstances taken as a whole would make it inappropriate to require the subdivider to comply with this section, or any portion thereof, and such modification or participation would accomplish a legitimate public purpose which would benefit the city. Each request by a subdivider pursuant to this section shall be considered separately in accordance with such criteria as may be defined by the City Council, and the approval of any such request shall be accompanied by such conditions as may be necessary to ensure that a legitimate public purpose beneficial to the city is accomplished. Nothing in this section is intended to authorize the use of public funds or credit for a private purpose.

(D) *Inadequate or substandard streets.* Inadequate or substandard existing streets shall be upgraded to city standards by the developer, including dedication of additional right-of-way if necessary. If development is on one side of such a street, the developer shall dedicate additional right-of-way if necessary, upgrade the street pavement and associated infrastructure on the side that is being platted. Sidewalks shall be constructed or upgraded (if needed) to city standards by the builder/owner prior to the issuance of a certificate of occupancy.

(E) *Inspection.* All infrastructure improvements shall meet or exceed city design criteria and specifications to include being in accordance with the Third Edition (or more current edition) of the *Standard Specifications for Public Works Construction, North Central Texas*. The city will inspect the construction work as it progresses and will make final inspection to assure compliance with city standards. Upon acceptance by the city, all infrastructure improvements constructed for subdivision within the city limits shall become the property of the city unless otherwise noted on the plat.

(F) *Water and wastewater service.* All subdivisions shall provide water distribution and wastewater collection systems that are approved by the city. Design should be consistent with the city standards of construction, engineering standards and specifications and the utility master plans.

(1) *Water connection.* All subdivisions shall connect with the publicly owned water distribution and wastewater collection systems unless a waiver is approved by the city. If the waiver is approved, the developer must submit evidence of conformance with TCEQ, Bell County Health Department, and the city fire flow requirements.

(2) *Extending water distribution.* The developer shall extend water distribution and wastewater collection lines from the nearest city-approved point of connection to the furthest boundary line of the platted subdivision along the right-of-way line or within an abutting dedicated easement specified for the exclusive use of the particular utility. These municipal utilities shall not be located in combination easements without the specific approval of the Public Works Director. This is required in order to provide a point of connection for adjacent properties not having access to such services. Where the developer is not required to extend utilities to adjacent property, an easement shall be required to accommodate future development on adjacent property.

(3) *Fire hydrants.* Fire hydrants shall be installed pursuant to the most currently amended and adopted edition of the International Fire Code. In areas not served by the city, the developer must perform a fire flow test on the system with the city staff as witnesses to assure adequate fire protection is provided.

(4) *Underground conduits.* Underground conduits shall be of sufficient size, as determined by generally accepted and good engineering principals, to accommodate and/or deliver current and anticipated future loads and/or flows and pressures, as the case may be, but in no case less than that specified below for each particular application.

(5) *Water mains.* In no case shall any water main be less than six inches in residential areas and eight inches in nonresidential areas. Water mains shall be sized as shown on the master water plan; in the absence of such a plan, or when the plan does not indicate requirements for a water main in the same location as the proposed water main, the water main shall be designed and sized to deliver the following pressures/flows.

(a) At each building service, the minimum pressure set forth by the Texas Commission on Environmental Quality, Water Supply Division.

(b) Private service lines shall be defined as the service line extending from water system meter to an individual customer. Public service lines shall be defined as the line extending from a water main to a single meter. *BULLHEADS* shall be defined as a public service line with branches to serve two or more customers.

(c) Public service lines will become the property of the city when completed and will be maintained by the developer/builder at his or her expense until accepted by the city. Public service lines will not be less than three-quarter inch or larger than two inches in diameter. Bullheads shall be no less than one inch in diameter. All public service lines shall be sized to deliver the pressures required by the Texas Commission on Environmental Quality. In no case will public service lines exceed 150 feet in length without prior approval of the Public Works Department.

(d) If an existing water main is within 300 feet of the boundary of any lot or tract of land proposed for development and/or improvement through the erection of buildings, then the water main shall be extended to the lot or tract in question. From the point of connection with the existing main, the water main shall be installed in accordance with all applicable regulations.

(6) *Sewer lines.* If an existing sewer main is within 300 feet of the boundary of any lot or tract of land proposed for development and/or improvement through the erection of buildings, then the sewer main shall be extended, in accordance with all applicable regulations, to the lot or tract in question.

(7) *Service line.* Whenever a water or sewer main is required to be extended to a lot or tract, an appropriate service line (tap) shall be extended to serve the lot or tract, and buildings located thereon shall be connected thereto whether they are pre-existing or are subsequently erected. The provisions of divisions (F)(1) and (2) above and any other ordinance notwithstanding, any subdivision or re-subdivision of a lot or tract of land shall be required to provide water and/or sewer service to the subdivision or re-subdivision, regardless of whether a subdivision plat is required to be prepared and approved by the city.

(8) *Extending requirements.* All utilities shall be required to extend across the full width of the development lot (defined by plat or lot of record) in such an alignment that it can be extended to the next property. Properties already served by water and sewer shall not be required to install additional facilities unless the current lines are not of adequate capacity to serve the proposed development in which case the developer will be required to install adequate facilities. Once a utility meter is installed, movement required due to changes in grade/landscape will be the responsibility of the developer/builder.

(9) *Other utilities.* All other utilities (i.e. electric, gas, communications and cable TV) shall be located in perimeter lot easements. These utilities shall not be located in a public right-of-way or a specified easement, prohibiting its use, without the approval of the Public Works Director.

(Ord. 2010-08, passed 3-9-10; Am. Ord. 2014-25, passed 10-28-14; Am. Ord. 2020-12, passed 4-28-20)

§ 154.37 STREETS.

(A) *Street layout.*

(1) *Thoroughfare plan.* Proposed streets must be in conformance with the city thoroughfare plan. All arterial and collector street locations, alignments, right-of-way widths, pavement widths and cross-sections shall be in accordance with the adopted plans and standards. Streets that are not on the thoroughfare plan and are proposed to collect traffic from residential streets shall be designed and constructed as minor or major collectors as determined by the Public Works Director.

(2) *Consistency with existing streets.* The arrangement, character, extent, width, grade and location of each proposed street shall be consistent with streets in the immediate area. However, new streets must meet the minimum current standards. Consideration shall be made for topographical conditions, public safety, convenience and the proposed use of land to be served by such streets.

(3) *Entrances to subdivisions.* In no case shall platted lots have their sole access through an adjacent jurisdiction. As a rule, new subdivisions must have at least two access streets. Entrances shall be 42 feet wide with a 70-foot right-of-way for a minimum distance of 100 feet from the intersection. A developer may request the approval of one access street if the access street has no connecting streets, terminates in a permanent cul-de-sac or provides access to not more than a total of 30 single-family dwelling lots or an equivalent housing unit density comprised of duplex or multi-family structures. In addition to the single point of access situation presented by streets that end in permanent cul-de-sac, a single point of access may be dictated by property configuration, safety or access management restrictions. In determining if a new subdivision may have one point of ingress/egress, consideration shall be given to:

(a) Traffic circulation and emergency vehicle access;

(b) Traffic and pedestrian safety with due consideration given to school bus routes; and

(c) Topography and visibility distances.

(4) *Residential streets.* Internal local streets shall be laid out so as to discourage then-use by through traffic when possible.

(5) *Secondary access streets.* Where a subdivision has frontage on an arterial street, the city may require a secondary access street to facilitate the sharing of curb cuts and/or to separate access to lots from through traffic.

(6) *Projection of streets.* Where adjoining areas are not subdivided, the developer shall design and construct abutting short stub-outs or temporary turnarounds for the projection of streets at proper block intervals into such unsubdivided areas.

(7) *Inadequate or substandard streets.* Inadequate or substandard existing streets and other infrastructure shall be upgraded to city standards by the developer, including dedication of an additional right-of-way if necessary. If development is on one side of such a street, the developer shall dedicate an additional right-of-way if necessary, upgrade the street pavement and associated infrastructure on the side that is being platted. Sidewalks shall be constructed or upgraded (if needed) to city standards by the builder/owner prior to the issuance of a certificate of occupancy.

(B) *Street design standards.*

(1) *Street design.* Street design shall be in accordance with the city's standards and specifications.

(2) *Curbs and gutters.* The developer shall install curbs and gutters on all new streets except as provided in § 154.45, unless required in special situations determined by the city.

(3) *Curb cuts.* Restrictions to location, design, size and/or number of curb cuts are as required in the Zoning Code.

(4) *Pavement standards.* Streets shall be paved in accordance with city standards. The city may require increased right-of-way or pavement widths if traffic impacts of the proposed development or conditions in the area merit such changes.

(C) *Street classification.* All streets within the city shall be located and constructed as shown on the thoroughfare plan and, where not otherwise shown thereon, shall be designed as follows.

(1) *Rural roads.* Rural roads shall have a roadway surface that is 36 feet in width (measured between the outside edges of ribbon curb), with a minimum 60 feet of right-of-way. Rural roads may have bar ditch(es). The Public Works Director may approve a right-of-way width of 50 feet if a 15-foot wide utility easement is provided for public water and sewer facilities. Ribbon curbs may be allowed in limited cases with the approval of the Public Works Director when sheet flow off of the street is preferred to concentrated discharge.

(2) *Residential or local streets.* Residential streets shall have a roadway surface that is 36 feet in width (back-of-curb to back-of-curb), with a minimum 60 feet of right-of-way. Where entrances to subdivisions are not part of a collector street, they shall be a minimum of 42 feet wide with 70 feet of right-of-way for a distance of 100 feet from the intersection. Residential streets shall have five-foot to six-foot wide residential sidewalks and amenities as indicated in the adopted sidewalk plan.

(3) *Minor collectors.* Minor collectors shall have a roadway surface that is 42 feet in width (back-of-curb to back-of-curb), with a minimum of 70 feet of right-of-way. These are streets generally located within subdivisions or between subdivisions to collect traffic from residential streets and to channel this traffic to the major collectors or an arterial. These are limited access roads on which residential lots may have driveway access. Minor collectors shall have six-foot to eight-foot wide connector sidewalks and amenities as indicated in the adopted sidewalk plan.

(4) *Major collectors.* Major collectors shall have a roadway surface that is 48 feet in width (back-of-curb to back-of-curb), with a minimum of 80 feet of right-of-way. These streets are generally located along borders of subdivisions and within commercial areas to collect traffic from residential areas and to channel this traffic to the arterial system. These are limited access roads on which no residential lots may have driveway access. Major collectors shall have six-foot to eight-foot wide connector sidewalks and amenities on both sides of the roadway as indicated in the adopted sidewalk plan.

(5) *Minor arterials.* Minor arterials shall have a roadway surface between 60 and 80 feet in width (back-of-curb to back-of-curb), depending on the needs and the design as determined by the city or TXDOT. The right-of-way shall be between 90 and 110 feet, depending on the design requirements as determined by the city or TXDOT. These are limited access roads on which no residential lots may have driveway access. Minor arterials shall have six-foot to ten-foot wide promenade sidewalks and amenities on both sides of roadway as indicated in the adopted sidewalk plan.

(6) *Major arterials.* Major arterials shall have a roadway surface between 60 and 80 feet in width (back-of-curb to back-of-curb), depending on the needs and the design as determined by the city or TXDOT. The right-of-way shall be between 110 and 120 feet, depending on the design requirements as determined by the city and TXDOT. Major arterials shall have six-foot to ten-foot wide connector or promenade sidewalks and amenities as indicated in the adopted sidewalk plan.

(D) *Miscellaneous street requirements.*

(1) *Property abutting arterials.* Where a subdivision abuts or contains an existing or proposed arterial, the Planning and Zoning Commission may require access streets, reverse frontage with a screening buffer containing a non-access easement along the rear property line, deep lots with rear service alleys or other such treatment as may be necessary for adequate protection of residential properties and to afford separation of through and local traffic.

(2) *Property abutting railroads.* Where a subdivision abuts or contains a railroad right-of-way or limited access highway right-of-way, the Planning and Zoning Commission may require a street approximately parallel to and on the side of such right-of-way.

(3) *Reserve strips.* Reserve strips controlling access to streets shall be prohibited except where their control is dedicated to the city, under conditions approved by the Planning and Zoning Commission.

(4) *Street jogs.* Street jogs with centerline off-sets of less than 125 feet shall be avoided.

(5) *Street intersections.* Streets shall be laid out so as to intersect at right angles, or as nearly as possible to 90 degrees. Six foot concrete valley gutters are required at street intersections where cross drainage will occur.

(6) *Non-cul-de-sac designed dead-end streets.* Dead-end streets shall be prohibited except for short stub-outs for future roadway extensions. Short stub-out streets may require special terminus treatments for drainage concerns and street integrity. Temporary turnarounds are required if the dead-end street exceeds 150 feet in length.

(7) *Cul-de-sac design.* For subdivisions with lots of less than one acre, cul-de-sac streets shall not exceed 800 feet in length (as measured from the right-of-way line of the intersecting roadway to the center of the turnaround). For single-family subdivisions with lots greater than one acre, the length may not exceed 1,200 feet. All cul-de-sacs shall be provided at the closed end with a turnaround having a minimum required radius of 50 feet from the face of curb to the center of the cul-de-sac with a minimum 124 foot right-of-way. The right-of-way shall extend a minimum of 12 feet behind the back of curb. The placement section shall meet fire code requirements.

(8) *Street names.* No street names shall be used which will duplicate or be confused with names of existing streets. Street extensions shall use the existing street names. Street names shall be subject to the approval of the Planning and Zoning Commission.

(9) *Street signs.* The city, at the developer's expense, shall install all street signs. The developer shall be charged for the cost of materials only.

(E) *Alleys.*

(1) Alleys shall generally be parallel to the street.

(2) Alley intersections and sharp changes in alignment shall be avoided. Where two alleys intersect, or where an alley turns, additional width may be required to allow for the turning of vehicles or guying of utility poles.

(3) Easements may be required on either side of the alley or alleys for utility placement.

(4) The width of an alley shall not be less than 20 feet.

(5) Dead-end alleys shall be avoided where possible, but if unavoidable, shall be provided with adequate turn-around facilities at the terminus, as determined by the Planning and Zoning Commission.

(6) Alleys shall paved in the same manner as streets.

(F) *Construction standards.*

(1) *Design.* Pavement section design shall be accomplished by a Texas registered professional engineer and shall be based upon a geo-technical analysis performed by a qualified geo-technical professional. All construction shall conform to Appendix A, Tables I through IV and the following adopted regulations where applicable: § 50.02, Chapter 50 of this Code of Ordinances, adoption of "Standard Specifications for Public Works Construction".

(2) *Street surfaces*. All street wearing surfaces shall consist of concrete or hot mixed asphaltic concrete (HMAC) laid over a base course of crushed stone which has been designed, and compacted in accordance with city standards and requirements.

(3) *Curb and gutter*. All curb and gutter, integral curbs, valley gutters, driveway approaches, drainage structures and the like shall be constructed of Class "A" (3,600 PSI) Portland Cement Concrete per city standards.

(Ord. 2010-08, passed 3-9-10; Am. Ord. 2022-54, passed 10-11-22)

§ 154.38 STREET LIGHTING.

(A) *Within the city's corporate boundaries.*

(1) Adequate street lighting for pedestrian and traffic safety shall be installed in all subdivisions established within the city's corporate boundaries. Street lights shall generally be limited to intersections, curves, dead ends, cul-de-sacs and streets where pole spacing exceeds 600 feet. Installation procedures and acceptable designs and specifications shall be established by the electric utility company serving energy to the lights. The use of special non-standard poles or fixtures from sources other than the electric utility is prohibited and shall not be accepted for dedication.

(2) The subdivision developer shall be responsible to the power utility provider for the cost of street lighting materials and the cost of installation, including the cost of service lines to supply electricity to the street lights and all associated engineering costs. Once satisfactorily installed, approved and accepted, the ownership and maintenance of the street lights shall be dedicated to the electric utility serving the area, per the city's agreement with the subject power utility provider. Electricity powering the street lights shall be provided by the electric utility providing service to the area. The city will pay the energy costs of street lights meeting the requirements of this section and located in the city limits, per the city's agreement with the subject power utility.

(Ord. 2010-08, passed 3-9-10; Ord. 2025-16, passed 6-10-25)

§ 154.39 BLOCK LENGTHS.

Block lengths between intersections of through streets shall not exceed 1,200 feet, except along major thoroughfares in which case such length shall not exceed 1,600 feet. Block length in subdivisions with lots of one acre or more shall not exceed 1,600 feet.

(Ord. 2010-08, passed 3-9-10)

§ 154.40 SIDEWALKS.

(A) In developments in which the original application for approval is filed after the effective date hereof, the developer/property owner shall construct sidewalks on both sides of all streets, private access drives, passage easements and other circulation routes. Sidewalks shall be installed by the developer at the time of development, and owners of lots that remain undeveloped must construct sidewalks within two years after the date of approval of the final plat. Sidewalks must be constructed and accepted by the city prior to the issuance of a certificate of occupancy.

(B) Sidewalks shall be constructed one foot from the property line in the rights-of-way adjacent to their lots, whether on the front, side, or rear of the lots, with a minimum six foot buffer strip behind the back of the curb or edge of pavement. Sidewalks shall be properly connected with existing sidewalks and constructed according to city standards. Streets designated by the Thoroughfare Plan for use as a collector or larger shall require a minimum six foot wide sidewalk. All other sidewalks shall be a minimum of five feet in width.

(C) The appearance of a sidewalk (scoring pattern or special paving) shall be maintained across commercial driveways and alley access points, and crosswalks shall be marked at all legs of the intersection. Obstructions such as, but not limited to, fire hydrants, telephone poles, and street signs, shall not be located within a sidewalk, unless written approval of such is obtained from the Director of Public Works.

(D) Sidewalks constructed to the requirements in this section shall include a standard sidewalk pedestrian ramp whenever a curb return or other structure may present an architectural barrier to handicapped access within a pedestrian path or at street/sidewalk intersections constructed in accordance with ADA requirements.

(E) An alternative sidewalk design may be approved in writing by the Director of Public Works where there are unusual and practical difficulties in carrying out the provisions set forth by this code, provided the alternate design will not adversely affect any adjoining property or the general public.

(F) Exemptions. Division (A) of this section shall not apply to:

(1) Large-lot residential subdivisions, where lots are one acre or larger in size;

(2) Cul-de-sacs with a throat length of one lot or fewer; or

(3) Improvements to existing developments on streets not identified in the sidewalk network, where the majority of the developed portions of the street do not have sidewalks present.

(Ord. 2010-08, passed 3-9-10; Am. Ord. 2014-25, passed 10-28-14; Am. Ord. 2017-11, passed 6-13-17)

§ 154.41 DRAINAGE AND STORM WATER MANAGEMENT.

(A) *General*. Storm water management shall be in accordance with the city Drainage Policy (Chapter 158). Erosion and sediment control shall be in accordance with the Erosion and Sedimentation Ordinance (Chapter 156).

(B) *Drainage easements*. Drainage easements are required where a watercourse, drainage way, natural channel or stream traverses a subdivision. No construction shall impede, constrict or block the flow of water in any easement or natural watercourse. Such easement shall not be considered a part of the lot area for purposes of minimum lot size requirements of the Zoning Ordinance. Fifteen feet strips on both sides of earthen ditches, streams, channels and the like, are required to provide access for city maintenance crews and their equipment. A 15 foot strip shall be required on one side only of a concrete drainage ditch. Additionally, drainage easements may be used for utilities.

(Ord. 2010-08, passed 3-9-10)

§ 154.42 EASEMENTS.

(A) Easements across lots or centered on rear or side lots lines shall be provided for utilities where necessary. Drainage, utility and access easements of adequate size, as determined by the Public Works Director or other designated staff, are required to provide for development of adjacent land.

(1) The width for all water and sanitary sewer utilities shall be a minimum of 15 feet.

(2) Where electrical utilities will be installed, these utility easements shall be a minimum of ten feet in width.

(3) Depending on services required and project design, easement width may be increased.

(4) Where any public or private utility line is required by the developer to be adjusted in location or elevation, the developer shall cause such changes to be made with the approval of the appropriate city representatives and the developer shall bear all costs of such changes.

(5) Easements with multiple utilities may require additional width.

(6) Additional easements may be required for the placement of guy wires.

(B) *Streetlight easements*. Streetlight easements of 15 feet in width shall be provided between interior lots, where electrical service is from the rear.

(C) *Access easements*.

(1) *Vehicular access easements*. Vehicular access easements may be required to facilitate the sharing of curb cuts between adjacent owners of property fronting on collector and/or arterial streets. Vehicular access easements 30 feet wide may also be used, if there is no other way possible, to provide access for properties which do not have direct frontage on public rights-of-way.

(2) *Pedestrian access easements*. Pedestrian easements may be required where deemed necessary by the Planning and Zoning Commission or City Council to provide pedestrian circulation within the subdivision or access to schools, shopping centers, recreation, transportation or other community facilities. Such easements shall be at least 15 feet in width and include a minimum five foot sidewalk.

(Ord. 2010-08, passed 3-9-10)

§ 154.43 LOTS.

(A) All lots shall meet minimum standards required by the Zoning Ordinance.

(B) All lots shall be provided with adequate access to a public street. Flag lots or access easements are permissible only where absolutely necessary and appropriate to meet this requirement.

(Ord. 2010-08, passed 3-9-10)

§ 154.44 MONUMENTS.

All monuments shall comply with the minimum standards for Professional Land Surveyors as adopted by the Texas Board of Professional Land Surveyors and in specific compliance with the Professional Land Surveying Practices Act and Board Rule.

(Ord. 2010-08, passed 3-9-10)

§ 154.45 SPECIAL PROVISION FOR RURAL, HILLSIDE AND LARGER LOT SUBDIVISION.

Large lot residential subdivisions consist of lots having a minimum area of one acre or greater that are intended for single-family residential use. Because of the larger lot size, lower population and traffic densities within these subdivisions, sidewalks are not required (unless necessary for managing drainage). Lay down curb is required unless the developer wants curb and gutter. All of the other standards and

requirements of the subdivision regulations are applicable, unless indicated otherwise by the city.

(Ord. 2010-08, passed 3-9-10)

ADMINISTRATION AND ENFORCEMENT

§ 154.60 WAIVERS.

(A) The Planning and Zoning Commission and the City Council may authorize waivers from design standards. In granting a waiver, the city shall prescribe only conditions that it deems necessary or desirable in the public interest.

(B) In making the findings required under § 154.61, the Planning and Zoning Commission and the City Council shall take into account the nature of the proposed use of the land involved, existing uses of land in the vicinity, the number of persons who will reside or work in the proposed subdivision and the probable effect of such waiver upon traffic conditions and upon the public health, safety, convenience and welfare in the vicinity.

(Ord. 2010-08, passed 3-9-10)

§ 154.61 FINDINGS.

No waiver to the findings set forth by the city shall be granted unless:

(A) There are special circumstances or conditions affecting the land involved use that the strict application of the provision of standards would deprive the applicant of the reasonable use of his or her land;

(B) The waiver is necessary for line preservation and enjoyment of the property;

(C) The granting of the waiver will not be detrimental to the public health, safety or welfare, or injurious to other property in the area; and

(D) The granting of the waiver will not have the effect of preventing the orderly subdivision of adjoining land in the vicinity in accordance with the provisions of this chapter.

(Ord. 2010-08, passed 3-9-10)

§ 154.62 CONFLICT WITH OTHER PROVISIONS.

(A) *Public provisions*. The regulations are not intended to interfere with, abrogate or annul any rule or regulation, statue or other provision of law. Where any provision of these regulations imposes restrictions different from those imposed by any other provision of these regulations or any other ordinance, rule or regulation, or other provision of law, whichever provisions are more restrictive or impose higher standards shall control.

(B) *Private provisions*. These regulations are not intended to abrogate any private easement, covenant or any other private agreement or restriction; however, where the provisions of these regulations are more restrictive or impose higher standards or regulations than such private easement, covenant or other private agreement or restriction, the requirements of these regulations shall govern.

(Ord. 2010-08, passed 3-9-10)

§ 154.63 ENFORCEMENT OF REGULATIONS.

(A) At the request of the city, the City Attorney, or his or her designated representative, shall institute appropriate action in a court of competent jurisdiction to enforce these regulations.

(B) Any person violating any provision of this chapter shall, upon conviction, be guilty of a misdemeanor and is punishable by a fine of up to $2,000 and each day such violation continues shall be considered a separate offense and punishable accordingly.

(Ord. 2010-08, passed 3-9-10; Ord. 2025-16, passed 6-10-25)

APPENDIX A: PAVEMENT DESIGN PROCEDURE

Table

I. Subgrade classification groups

II. Subgrade classification chart

III. Pavement thickness design chart; local, minor, and major residential street

IV. Pavement thickness design chart; minor and major collector street

TABLE I: SUBGRADE CLASSIFICATION GROUPS

	Soil Classification Tests	
Group No.	Liquid Limit	Plasticity Inde
I	<35	5-15
II	30-40	10-25
III	40-50	15-30
IV	50-60	20-35
V	60-70	25-40
VI	70-80	35-50
VII	>80	40-60

NOTE: Graphical representation of these subgrade groups are shown on Table II. Values which plot on the borderline between two groups should be assigned the group number of the poorer soil group. Soils which have less than 40% passing the Number 200 mesh sieve and which would plot in Groups III through VII may be upgraded to the next better group.

(Ord. 93-06, passed 4-22-93)

TABLE II: SUBGRADE CLASSIFICATION CHART

Please Note: To view the diagram, please see the printed version of your code of ordinances.

TABLE III: PAVEMENT THICKNESS DESIGN CHART; LOCAL, MINOR, AND MAJOR RESIDENTIAL STREET

Please Note: To view the diagram, please see the printed version of your code of ordinances.

TABLE IV: PAVEMENT THICKNESS DESIGN CHART; MINOR AND MAJOR COLLECTOR STREET

Please Note: To view the diagram, please see the printed version of your code of ordinances.

APPENDIX B: RAINFALL INTENSITY CURVE

Please Note: To view the diagram, please see the printed version of your code of ordinances.

B-2-2 and B-3-1 and B-3-2 and B-4-2

§ 155.200 BUILDING PERMITS.

No permit for the erection, alteration, or enlargement of any building shall be issued by the Building Official unless there first be filed in his office by the applicant therefore a plot, drawn to scale, and in such form as may be prescribed by the Building Official, correctly showing the location and actual dimensions of the lot to be occupied, the dimensions and location on the lot of the building to be erected, altered, or enlarged, together with a true statement in writing, signed by the applicant, showing the use for which such building is arranged, intended, or designed, and furnishing such other information as the Building Official may require in the enforcement of the provisions of this Code, and any failure to comply with the provisions of such Code shall be good cause for the revocation of any such building permit by the Building Official. A record of such application and plots shall be kept in the office of the Building Official.

(Ord. 2001-36, passed 11-13-01)

CHAPTER 156: EROSION AND SEDIMENTATION

Section

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GENERAL PROVISIONS

§ 156.01 SHORT TITLE.

This chapter may be cited as the Soil and Sedimentation Control Ordinance.

(Ord. 2002-31, passed 11-12-02; Am.Ord.2005-29, passed 9-13-05)

§ 156.02 DEFINITIONS.

For the purpose of this chapter, the following definitions shall apply unless the context clearly indicates or requires a different meaning.

AGENT . The Public Works Director or other municipal officer designated to administer this chapter.

APPEAL . A request for a review of the agent's interpretation of any provision of this chapter.

DENUDED . An area that is stripped or made bare.

DEVELOPMENT . Any man-made change to improved or unimproved real estate, including but not limited to buildings or other structures, mining, dredging, filling, grading, paving, removal of vegetation, excavation, blasting or drilling operations.

EROSION . The natural wearing away of land by action of running water or wind.

EROSION AND SEDIMENT CONTROL PLAN . A set of plans prepared by a licensed engineer indicating the specific measures and sequencing to be used in controlling sediment and erosion on a development site both during and after construction.

EXCAVATION . Any act by which organic matter, earth, sand, gravel, rock or any other similar material is cut into, dug, quarried, uncovered, removed, displaced or bulldozed and shall include the conditions resulting therefrom.

FILL . Any act by which earth, sand, gravel, rock or other material is deposited, placed, replaced, pushed, dumped, pulled, transported or moved by man to a new location and shall include the conditions resulting therefrom.

GABIONS . A flexible woven-wire basket composed of two to six rectangular cells filled with stones.

LAND-DISTURBING ACTIVITY . Any land change which may result in soil erosion from water or wind, and the movement of soil into waters or onto lands or increased runoff of waters including but not limited to clearing, grading, excavating, transporting and filling of land.

NATURAL DRAINAGE . Surface water drain channels formed in the existing surface topography of the earth prior to changes made by unnatural causes.

PARCEL . All contiguous land under one ownership.

PERMANENT VEGETATION . Ground cover mature enough to control soil erosion satisfactorily and survive severe weather conditions.

PERMITTEE . Any person to whom a site development permit is issued.

REMEDIATE. To remove sedimentation caused by the absence or failure of one or more sediment barriers at a site and to restore any property (including gutters, storm sewers, and other land) affected by such sedimentation to the condition in which such property would have existed but for the absence or failure of such sediment barriers.

REMOVAL . Cutting vegetation to the ground or leaving it as stumpage, complete extraction or killing by spraying.

RETAINING WALL . A wall built to provide soil stability at the bottom of the slope. These walls may include metal, wood and concrete cribbing, precast structural blocks and reinforced concrete.

RESPONSIBLE PARTY. A person required by this chapter to erect or maintain sediment barriers, traps or other perimeter controls to prevent erosion or sedimentation at or from a site.

REVETMENT . A facing of masonry or the like for protecting an embankment.

RIPRAP . A permanent, erosion-resistant ground cover constructed of large, angular or sub-angular (rounded) stone.

SEDIMENT BARRIERS . Temporary barriers installed across or at the toe of a slope to prevent sediment from flowing off the site.

SEDIMENT BASIN . A water impoundment constructed to collect and store sediment and/or debris made by constructing a dam or embankment or by excavating a pit or dugout pond for storage.

SEDIMENT TRAP . A small temporary ponding area formed by excavation and/or building a small embankment to intercept sediment-laden runoff and to allow the coarser sediment particles to settle out.

SEDIMENTATION . The process of forming and depositing of suspended matter carried in suspension in water through the action of gravity.

SITE . A lot or parcel of land or contiguous combinations thereof where grading work is performed as a single unified operation.

SITE PLAN . T The map or drawn representation of a proposed development meeting the requirements of this chapter.

SITE PREPARATION . Altering terrain and/or vegetation, typically to facilitate additional construction on the site.

SOIL STABILIZATION . Measures which protect soil from the erosive forces of raindrop impact and flowing water to include without limitation establishment of permanent vegetation, mulching and the early application of gravel base on areas to be paved.

START OF CONSTRUCTION . The first land-disturbing activity associated with a development, including land preparation such as clearing, grading and filling; installation of streets and walkways; excavation for basements, footings, piers or foundations; erection of temporary forms; and installation of accessory buildings such as garages.

STORM EVENT OF TEN YEARS . Rainfall intensity of 2.50 inches per hour or more.

STRIPPING . Any activity which removes the vegetative surface cover, including tree removal, clearing and storage or removal of topsoil.

VARIANCE . A grant of relief from the requirements of this local law which permits a person to undertake construction in a manner otherwise prohibited by this local law where specific enforcement would result in unnecessary hardship.

(Ord. 2002-31, passed 11-12-02; Am.Ord.2005-29, passed 9-13-05)

§156.03 EROSION AND SEDIMENTATION CONTROL REQUIRED.

(A) Prior to the start of construction, each person performing or causing to be performed any development or other land disturbing activity within the city shall erect and thereafter maintain such barriers, traps or other perimeter controls as may be necessary to prevent a storm event of ten years or less from causing erosion or sedimentation from the site in excess of the amount which would occur in the site's undeveloped and undisturbed state.

(B) A responsible party shall ensure that all sediment barriers, sediment traps, and other temporary sedimentation and erosion control devices are removed as soon as reasonably possible, and in any event not later than substantial completion of construction. Such temporary barriers and devices shall be replaced by permanent natural vegetation, soil stabilization, or other permanent erosion and sedimentation controls to the extent necessary to prevent a storm event of ten years or less from causing erosion or sedimentation from the site in excess of the amount which would occur in the site's undeveloped and undisturbed state.

(Ord.2005-29, passed 9-13-05)

§156.04 REMEDIATION REQUIRED.

A responsible party shall remediate any violation of this chapter. All remediation required by this section shall be completed within 24 hours following the deposit of the sedimentation, or within such longer period of time as may be specified in writing by the agent in consideration of inclement weather or other factors warranting such extension.

(Ord.2005-29, passed 9-13-05)

§156.05 NUISANCE DECLARED.

Any condition caused or permitted to exist in violation of any of the provisions of this chapter is a threat to public health, safety, and welfare and is declared and deemed a nuisance.

(Ord.2005-29, passed 9-13-05)

B-2-2 and B-3-3 and B-4-2

PROVISIONS APPLICABLE TO DEVELOPMENT ON ONE ACRE OR LARGER

§156.15 GENERAL PRINCIPLES.

(A) It is the objective of this subchapter to control soil erosion and sedimentation resulting from development activities covering one or more acre(s). While measures must be taken to control and guarantee that post-development stormwater runoff from any development must not exceed that of pre- development, additional measures must be taken to control erosion and sedimentation ensuring that sediment is not transported from the site by a storm event of 10-year frequency or less.

(B) The following principles shall apply to all development activities covered by this subchapter and to the preparation of the submissions required under § 156.16.

(1) *Preserving and protecting the natural topography.* Site development should be planned so that it is consistent with and conforms to the topography and soils of the site so as to minimize and prevent soil erosion.

(2) *Protection of adjacent properties.* Properties adjacent to the site of a land-disturbing activity shall be protected from sedimentation by preserving a permanent vegetation buffer strip around the lower perimeter of the activity or by installing perimeter controls such as sediment barriers, filters, straw bail dikes or sediment basins or by a combination of such measures. Vegetative buffer strips should be at least 10 feet in width and may be used alone only where runoff in sheet flow is expected according to the Erosion and Sedimentation Control Plan. If at any time it is determined by the agent that a vegetated buffer strip alone is ineffective in preventing sediment movement on to adjacent property, additional perimeter controls must be provided.

(3) *Cut and fill slope.* Development shall reflect the topography and soils of the site so as to create the least potential for erosion. Areas of steep slopes where high cuts and fills may be required shall be avoided whenever possible, and natural contours shall be followed as closely as possible. In the design of cut and fill slopes, consideration must be given to the length and steepness of the slope, the soil type, upslope drainage area, groundwater conditions and other applicable factors. Depending on the circumstances, acceptable design options may include:

(a) The use of permanent vegetation alone with special anchoring such as netting to hold mulch on newly seeded areas. When seeding and mulching, special care must be given to ensure land is properly fertilized, seeded, mulched, anchored and watered. Newly seeded areas shall be watered gently and regularly as necessary to keep the soil sufficiently moist. Grass shall be watered as needed until grass is at least two inches tall.

(b) The use of special structural materials such as riprap, gabions, revetments, retaining walls or other methods sufficient to prevent excessive erosion.

(4) *Vegetation.* Natural vegetation shall be retained and protected whenever possible. If vegetation is the developer's choice, a permanent vegetative cover shall be established on denuded areas not otherwise permanently stabilized. Permanent vegetation and related structures shall be installed as soon as practical or within the time specified in the site preparation permit. Permanent vegetation shall not be considered established until a ground cover is achieved which, in the opinion of the agent, is mature enough to control soil erosion satisfactorily and to survive severe weather conditions.

(5) *Channel stability in both natural and man-made waterways.* A Texas-registered engineer must design new ditches for adequate stability and capacity. In addition, if existing natural drainage channels will be used to convey increased volumes of stormwater from a site, the engineer may need to provide reinforcement measures. All erosion control plans will detail how to protect the ditches and/or natural drainage from excessive erosion and sedimentation.

(6) *Timing and stabilization of sediment- trapping measures.* Sediment basins and traps, perimeter dikes, sediment barriers and other measures intended to trap sediment on-site must be constructed as a first step in grading and must be made functional before upslope land-disturbing activity takes place. Soil stabilization of earthen structures such as dams, dikes and diversions must occur within 15 days of installation of the structure.

(7) *Stabilization of waterways and outlets.* All on-site stormwater conveyance channels shall be designed and constructed to withstand the expected velocity of flow from a 10-year frequency storm without erosion. Stabilization adequate to prevent erosion must also be provided at the outlets of all pipes and paved channels.

(8) *Construction on slopes or adjacent to water bodies or courses.* For channel or slope construction on slopes greater than 3:1, back-up protection for the primary erosion control measure should be provided. Any new development adjacent to an existing ditch should have a minimum of 15-foot drainage access casements on each side of the ditch. In addition, no property owner may install a fence within 15 feet of a ditch, stream, brook or other natural drainage channel; except where a concrete flume or concrete channel is constructed, the abutting property owner is allowed to construct a fence up to the edge of the concrete. However, the city reserves the right to remove the fence in order to access the drainage structure for needed maintenance.

(9) *Stormwater management criteria for off- site erosion.* Provision shall be made to accommodate the increased runoff caused by changed soil and surface conditions during and after development. Drainageways shall be designed so that the final gradients and the resultant velocities of discharges will not create additional erosion.

(10) *Aesthetics.* In the design of erosion control facilities and practices, aesthetics and the requirements of continuing maintenance shall be considered.

(Ord. 2002-31, passed 11-12-02; Am.Ord.2005-29, passed 9-13-05)

§156.16 SITE PREPARATION PERMIT.

(A) *Permit Required.* Except as otherwise provided by this subchapter, a site preparation permit is required for any person performing or causing to be performed any land-disturbing activity covering one or more acre(s) within the territorial limits of the city. A permit issued under this subchapter is non-transferable and any attempted or purported transfer shall immediately void the permit.

(B) *Exceptions.* A site preparation permit shall not be required under this subchapter for:

(1) Preparation of a residential lot for home construction where the land-disturbing activity covers less than one acre;

(2) Normal lawn and landscaping maintenance;

(3) Existing nursery and agricultural operations;

(4) Any emergency activity which is immediately necessary for the protection of life, property or natural resources.

(C) *Application submission.* At least one landowner or land user controlling or using the site and desiring to undertake a development or land- disturbing activity subject to this subchapter shall make application for a permit upon a form approved by the agent. Each application for a permit shall be filed with the agent and accompanied by:

(1) A vicinity map in sufficient detail to easily locate, in the field, the site for which the permit is sought, including the boundary line and approximate acreage for the site and a legend and a scale;

(2) A site plan showing:

(a) Existing site conditions on a scale of 1 inch equals 100 feet or larger;

(b) Existing topography of the site and adjacent land within approximately 100 feet of the boundaries drawn at no greater than two-foot contour intervals and clearly portraying the conformation and drainage pattern of the area;

(c) The location of existing buildings, structures, utilities, water bodies, floodplains, drainage facilities, vegetative cover, paved areas, watershed divides and other significant natural or man-made features on the site and adjacent land within approximately 100 feet of the boundary; and

(d) Proposed use of the site, including both present development and planned utilization; areas of excavation, grading and filling; proposed contours, finished grades and provisions for storm drainage, including the control of accelerated runoff with a drainage area map and computations; kinds and locations of utilities; and areas and acreages proposed to be paved, covered and sodded or seeded, vegetatively stabilized or left undisturbed.

(3) An erosion and sediment control plan shall be submitted for land-disturbing activities whenever the proposed activity covers one or more acre(s). The plan shall show:

(a) All erosion control measures necessary to meet the objectives of this local law throughout all phases of construction and permanently after completion of development of the site. Depending upon the complexity of the project, the drafting of intermediate erosion control plans also may be required.

(b) Provisions for maintenance of control facilities, including easements;

(c) Identification of the person(s) or entity which will have legal responsibility for maintenance or erosion control structures and measures after development is completed;

(4) A non-refundable application fee established by the City Council.

(D) *Inspections.* By submitting an application, the applicant authorizes the agent and other employees of the city to enter the site for the purpose of obtaining information required for the review of the erosion and sediment control plan. Such inspections may take place before, during or after any land- disturbing activity. If upon inspection existing site conditions are found to be in conflict with an approved erosion control plan or if such activity is being undertaken without a permit, the agent shall proceed with enforcement under § 156.98.

(E) *Notice of Determination.* The agent shall promptly notify the applicant in writing of the approval or denial of the application within ten working days by sending such notification to the applicant at the address shown on the application.

(1) If the application is denied, the agent shall promptly notify the applicant in writing of such determination, of the reasons for the denial and of any right to appeal the determination.

(2) If the application is approved, the agent shall promptly issue a permit subject to such conditions as may be necessary to serve the general principles set forth in § 156.15.

(F) *Effect of Approval.* Approval of an Erosion Control Plan and issuance of a site preparation permit shall not constitute an acknowledgment or warranty by the city that the Erosion Control Plan will prevent public erosion nuisances, and the city waives no rights to pursue any legal remedies, either under this subchapter or any other applicable ordinances or laws. If for any reason a public erosion nuisance occurs, the fact that a site development permit has been issued or that an Erosion Control Plan has been accepted by the city shall not be a defense or bar to prosecution under this subchapter. Neither any provision of this chapter nor the issuance of a permit under this subchapter shall be construed to authorize any act in violation of any other applicable law or rule.

(Ord. 2002-31, passed 11-12-02; Am.Ord.2005-29, passed 9-13-05)

§156.17 SURETY REQUIRED.

(A) The recipient of a permit under this subchapter shall provide a surety in the form of cash, certificate of deposit, irrevocable letter of credit acceptable to the city or surety bond underwritten by a surety company licensed to operate in the State of Texas to ensure that vegetative cover and/or other permanent erosion control measures are installed, maintained and functioning properly for not less than two years from the date of final acceptance of the dedicated public improvements by the city. The surety shall be furnished to the city before the final acceptance of the streets and/or utilities and shall be in the amount of 100% of the estimated cost of constructing and/or maintaining the permanent erosion controls for a two-year period. Such estimate shall be signed and sealed by a registered professional engineer. Any permanent vegetative cover which is part of a public improvement project associated with a subdivision development will

not be accepted by the city until the growth has been established and maintained by the developer for a two-year period from the date of final acceptance of public improvements.

(B) After the two-year period has elapsed, the owner of the property shall be responsible for maintaining the erosion controls in good working order. If any future owner modifies or disturbs the erosion controls for the area, that owner must restore or replace the permanent erosion controls at the conclusion of the land-disturbing activity.

(Ord. 2002-31, passed 11-12-02; Am.Ord.2005-29, passed 9-13-05)

APPEAL, ENFORCEMENT AND PENALTIES

§ 156.90 APPEAL.

(A) *Right of Appeal.* Except as otherwise provided in this chapter, a person aggrieved by the decision may appeal a decision by a city official denying or revoking a site preparation permit or issuing a stop work order under this chapter.

(B) *Notice of Appeal.* Appeals pursuant to the provisions of this chapter shall be made by filing a notice of appeal with the Director of Public Works or his or her designee. Such notice of appeal shall contain a brief statement of the reasons why the aggrieved person believes that the decision should be overturned and shall set forth the relief requested by such person from such decision.

(C) *Hearing.* The Zoning Board of Adjustment shall conduct a public hearing and render a decision on the matter.

(Ord. 2002-31, passed 11-12-02; Am.Ord.2005-29, passed 9-13-05)

§ 156.98 ENFORCEMENT.

(A) *Stop-Work Order.* The agent may post a stop-work order at the site if:

(1) Any land-disturbing activity or development is performed in violation of this chapter;

(2) Any term, provision or condition of a site preparation permit issued under this chapter is not satisfied; or

(3) A person is found to be violating any other provision of this chapter.

(B) *Permit Revocation.* If a permittee does not comply with a stop-work order, the agent may revoke the permit by posting notice of such revocation at the permitted site and by sending a copy by certified mail, return receipt requested, to the permittee at the address shown on the permit application.

(C) *Administrative Abatement.*

(1) *Emergency Abatement.* Notwithstanding subsection (2) below, if the agent determines that a condition at a site threatens a public calamity or otherwise poses an immediate risk of serious harm to public health, safety or comfort, such condition may be summarily abated upon order of the City Manager.

(2) *Non-emergency Abatement.* If a responsible party fails to timely remediate a violation as required by this chapter, or otherwise creates or allows a nuisance hereunder, the agent may initiate administrative abatement utilizing the process set forth in § 93.04(C). If no timely appeal is taken, or if abatement is ordered following a hearing, the agent or his designee may enter the site and cause the violation or nuisance to be abated or remedied.

(3) The agent shall keep an accurate record of all expenses incurred by the city in performing administrative abatement, including man-hours, equipment hours, materials and fuel. Each permittee and other responsible party shall be liable to the city for payment of such expenses, and the city shall have a lien against the site to secure payment of such expenses. Property classified as homestead by the Texas Constitution shall be exempt from the provisions of this subsection relating to the imposition of a lien.

(4) An administrative abatement under this section shall have no effect upon a prosecution under § 156.99.

(D) *Injunction.* Compliance with the provisions of this chapter may also be enforced by injunction.

(Ord. 2002-31, passed 11-12-02; Am. Ord. 2005-29, passed 9-13-05; Am. Ord. 2012-20, passed 9-11-12)

§ 156.99 OFFENSES AND PENALTY.

(A) Except as otherwise provided in this chapter, it shall be an offense for any person to perform or cause to be performed any land-disturbing activity covering one or more acre(s) within the territorial limits of the city unless a site preparation permit authorizing such activity has been issued under this chapter and is then in effect.

(B) It shall be an offense for any person to perform or cause to be performed a land-disturbing activity covering one or more acre(s) within the territorial limits of the city in a manner that does not comply with the conditions of a site preparation permit issued for such activity under this chapter.

(C) It shall be an offense for any person to perform or cause to be performed any land-disturbing activity covering one or more acre(s) within the territorial limits of the city at a time and place where a stop-work order issued under this chapter prohibits such activity.

(D) It shall be an offense for any person to knowingly interfere with a lawful inspection under this chapter.

(E) Except as provided in division (D) of this section, proof of a culpable mental state is not required for conviction of an offense under this chapter. It is the intent of the City Council to dispense with the requirement of any culpable mental state in prosecutions filed under this chapter except as provided in division (D) of this section.

(F) A violation of this chapter shall be punishable upon conviction by a fine of not less than $500 nor more than $2,000 and the costs of prosecution for each violation.

(E) It shall be an offense for any person to perform or cause to be performed any development or other land disturbing activity within the city without first having in place such barriers, traps or other perimeter controls as may be necessary to prevent a storm event of ten years or less from causing erosion or sedimentation from the site in excess of the amount which would have otherwise occurred prior to the start of construction.

(F) It shall be an offense for any responsible person to fail, within 24 hours following the deposit of sedimentation or within such longer period of time as may be specified in writing by the agent, to:

(1) Remove any sedimentation caused by the absence or failure of such sediment barrier; or

(2) Restore any property affected by such sedimentation to the condition in which such property would have existed but for such sedimentation.

(G) It shall be an offense for any responsible person to fail to timely replace temporary erosion or sedimentation control devices with permanent erosion or sedimentation control devices as required by this chapter.

(H) Any person violating any provision of this chapter shall be guilty of an offense and, upon conviction, shall be punished by a fine not to exceed $500. A knowing or intentional violation of this chapter shall be punishable upon conviction by a fine of not less than $500 nor more than $2,000 and the costs of prosecution for each violation.

(Ord. 2002-31, passed 11-12-02; Am.Ord.2005-29, passed 9-13-05)

CHAPTER 158: STORM WATER DRAINAGE POLICY

Section

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158.01 DEFINITIONS.

This chapter represents the application of accepted principles of storm water drainage engineering and is a working supplement to basic information obtainable from standard drainage handbooks and other publications on drainage design. The policy statements of this section provide the underlying principles by which all drainage facilities shall be designed. The application of the policy is facilitated by the technical criteria contained in the remainder of the chapter. All terms and abbreviations used in §§ 158.01-158.12 are presented in Subchapters 2 through 8, Appendix A, Appendix B and the Glossary of the Drainage Criteria Manual, last revised September 25, 2007. This policy shall prevail.

(Ord. 2007-18, passed 6-26-07; Am. Ord. 2007-26, passed 9-25-07)

158.02 APPLICATION.

(A) The city's drainage policy shall govern the planning and design of drainage infrastructure within the corporate limits of the city and within all areas subject to its extra territorial jurisdiction, as required. Definitions, formulae, criteria, procedures and data in this manual have been developed to support this policy. If any condition requiring some additional measure of protection is identified during design or construction, the Engineer shall make provisions within the design.

(B) The Engineer for the applicant/developer may use definitions, formulae, criteria, procedures and data not contained in this chapter if they are applicable for use in this area and the civil engineering industry.

(Ord. 2007-18, passed 6-26-07)

158.03 GENERAL.

(A) Storm water runoff peak flow rates for the 10-year and 100-year frequency storms shall not cause increased adverse inundation of any building or roadway surface.

(B) Street curbs, gutters, inlets and storm sewers shall be designed to intercept, contain and transport all runoff from the 10-year frequency storm, without overtopping the curb.

(C) In addition to division (B) above, the public drainage system shall be designed to convey those flows from greater than the 10-year frequency storm up to and including the 100-year frequency storm within defined public rights-of-way or drainage easements.

(D) When storm water detention is provided, storm water runoff peak flow rates shall not be increased at any point of discharge for the 25-year storm. The 100-year storm event shall be passed from the detention facility through an emergency spillway such that the flow from that event shall not overtop the facility or cause damage to downstream facilities.

(Ord. 2007-18, passed 6-26-07)

158.04 DRAINAGE FLOW IN STREETS.

(A) No concentrated point discharges directly into streets will be allowed unless approved by the Director of Public Works or City Engineer.

(B) No lowering of the standard height of street crown shall be allowed for the purposes of obtaining additional hydraulic capacity.

(Ord. 2007-18, passed 6-26-07)

158.05 STREET CROSS FLOW.

(A) Whenever storm runoff, other than limited sheet flow, moves across a traffic lane, a serious and dangerous impediment to traffic flow occurs. Cross-flow is allowed only in case of super elevation of a curve or overflow from the higher gutter on a street with cross-flow. When runoff is allowed to cross from one curb line to the opposing curb line, the depth of flow shall not exceed six inches of depth at any point within the street. This policy prohibits the use of concrete valley gutters at points other than intersections. At points of concentration other than intersections, cross-flows shall be contained within underground storm conduit. The crown of the street shall not be removed to allow cross-flow.

(B) In the event that underground storm drainage is not practical, cross-flow shall be allowed. The crown shall be removed and a concrete valley shall be required to convey the runoff across the street. Cross- flow shall not exceed six inches of depth within the concrete valley.

(Ord. 2007-18, passed 6-26-07)

158.06 ALLOWABLE FLOW OF WATER THROUGH INTERSECTIONS.

As the storm water flow approaches a street intersection, inlets shall be required if the depth of flow exceeds six inches in any portion of the street intersection. Concrete valley gutters shall be used to convey storm water flow through intersections. In the case of T intersections designed as sump conditions, the Engineer shall demonstrate that the depth of storm water will not exceed six inches at any point within the intersection. Inlets in such cases shall not be installed within the curb radius of the intersection.

(Ord. 2007-18, passed 6-26-07)

158.07 DRAINAGE SYSTEM.

(A) Construction plans for proposed reinforced concrete box culverts, bridges and related structures may be adaptations of the current Texas Department of Transportation (TxDOT) Standards.

(B) For bridges and culverts in residential streets, runoff from the 100-year frequency flow shall not produce a headwater elevation at the roadway greater than either six inches above the roadway crown elevation or any top of upstream curb elevation, whichever is lower.

(C) For bridges and culverts in streets other than a residential street, runoff from the 100-year frequency storm shall not produce a headwater elevation at the roadway greater than three inches above the roadway crown elevation or three inches above any top of upstream curb elevation, whichever is lower.

(D) All drainage facilities (including but not limited to headwalls, open channels, storm sewers, area inlets, and detention, retention and water quality controls and their appurtenances) shall comply with the following requirements, unless otherwise noted in this section.

(1) Storm sewer inlets and gutter transitions shall be designed to avoid future driveways and to avoid conflicts with standard water and wastewater service locations. No utilities shall be allowed to cross under a storm sewer inlet unless approved by the City Director of Public Works or City Engineer.

(2) Drainage channels and detention ponds that are to be maintained by the public (city) shall be contained within drainage easements. Adequate room for access shall be provided for drainage channels and detention ponds. Ramps no steeper than five feet horizontal to one foot vertical shall be provided at appropriate locations to allow access to drainage channels and detention ponds. The minimum bottom width for any channel with vegetative side slopes shall be four feet.

(3) Detention ponds shall be designed with adequate area around the perimeter for access and maintenance. The said area shall be a minimum of seven feet wide for ponds with depths of five feet or less (back slopes included) and a minimum of 15 feet wide for ponds over five feet deep or with back slopes in excess of five feet high. The said area shall not slope more than 5%.

(4) Rip-rap for slope protection or velocity dissipation shall be formed by concrete dissipaters or designed rock rip-rap. Designed rock rip-rap shall include a D50 sizing and a gradation for the rock. Mortared rock or stone shall not be allowed.

(5) Storm drains between lots (crossing blocks) shall be avoided as much as possible. When unavoidable, such drains shall be underground storm drains, unless underground storm drainage is not practical. Flumes will be allowed only if approved for use by the City Engineer or Director of Public Works. In either case, the improvements shall be contained within the dedicated drainage easement. Storm drains along rear of residential lots (through back yards) shall be avoided. Easements shall be a minimum of 15 feet in width.

(6) All bends, wyes and pipe size changes in storm sewers shall be prefabricated or shall occur at manholes/junction boxes.

(7) Storm drains shall be reinforced concrete pipe (RCP), ASTM C76, minimum 18 inches diameter. The Engineer shall provide load analysis to the Planning and Development Department as appropriate to demonstrate that class of pipe used is sufficient for the loading conditions as set forth in TxDOT Item 464. Higher strength pipes shall be used where loadings warrant such. Storm drains shall have a minimum of two feet of cover in unpaved areas and a minimum of one and five-tenths feet of cover from sub-grade in paved areas. Embedment of RCP shall be to the spring line of the conduit.

(8) The use of High Density Polyethylene (HDPE) shall be allowed up to 36 inches in diameter. Pipe sizes larger than 36 inches in diameter may be used if approved by the City Engineer or Director of Pubic Works. The use of HDPE pipe shall be limited to unpaved areas outside of city streets. All cross street storm drainage conduit shall be reinforced concrete pipe (RCP). All outfall structures shall be constructed of reinforced concrete and the connection with the outfall structure shall be accomplished using RCP. A transition fitting from HDPE to RCP shall be made upstream of the outfall structure. Embedment of HDPE shall be to six inches above the top of the pipe.

(9) Junction boxes and manholes shall be reinforced concrete. Junction boxes in lieu of manholes shall be provided where any pipe opening exceeds 37 inches and where the distance from the outside surfaces of any two pipes entering a manhole is less than one foot, measured along the inside of the manhole.

B-2-2 and B-3-3 and B-4-2

(10) Prefabricated wyes, mitered angle fittings and pipe size reducers shall be allowed in lieu of junction boxes and manholes.

(11) Channels.

(a) *Concrete channels.* Concrete channels shall be of sufficient cross section and slope as to fully contain design flows and facilitate self- cleaning. Outfalls shall enter major collector drainage ways and major streams at grade or be designed and constructed with adequate concrete aprons, energy dissipaters or similar features to prevent erosion.

(b) *Vegetated channels.* Vegetated channels shall have sufficient grade but with velocities that will not be so great as to create erosion. Side slopes shall not be steeper than three feet horizontal to one foot vertical for channels four feet or less in depth and no steeper than four feet horizontal to one foot vertical in all other channels to allow for future growth and to promote slope stability. All slopes shall be hydro-mulched, sodded or seeded with approved grass, grass mixtures or ground cover as indicated in TxDOT Item 164 for use in the Waco District and season in which they are applied. All earthen channels must have vegetation established prior to acceptance by the City of Harker Heights. If vegetation has not been established at the time applicant/developer requests approval of the final plat, the channel side slopes and bottom shall be lined with erosion control matting prior to being seeded and approval of the final plat shall be conditional to the establishment of the vegetation.

(c) Major streams shall not be modified without consent of applicable state and federal agencies and authorization from the City Engineer or the Director of Public Works.

(12) Discharge from storm sewer outfalls shall not cause channel, bluff, or stream bank erosion. If the storm drain discharges to an open drainage facility (as determined by the city), the applicant must show acceptable non-erosive conveyance to that drainage facility, appropriate energy dissipation at the outfall and a stable headwall. No outfalls shall be allowed to discharge on the slope of the receiving channel without adequate erosion control measures.

(13) If the development is located such that there is considerable drainage from potentially developable upstream areas, the developer may request participation by the city for the cost of over- sizing of elements of the overall drainage system. The city shall consider these requests on a case-by-case basis.

(Ord. 2007-18, passed 6-26-07)

158.08 COMPUTATIONS.

(A) Computations to support all drainage designs shall be submitted to the appropriate city departments for review. The computations shall be in such form as to allow for timely and consistent review and also to be made a part of the permanent city record for future reference. Computations shall include the impact of the proposed development to the downstream properties and existing structures adjacent to the drainage resulting from the 100-year event. All computations submitted shall be certified by a Professional Engineer licensed in the State of Texas. The Engineer shall provide the report to the city in both hard copy and a scanned electronic .pdf file with the proper seal, signature and date.

(B) *Determination of runoff.* Numerous methods of rainfall-runoff computation are available on which the design of storm drainage and flood control systems may be based. The Rational Method shall be an acceptable means of computing runoff for drainage areas of 200 acres or less when designing streets, storm drainage systems, channels and culverts. When the drainage area exceeds 200 acres in size, the National Resource Conservation Service (NRCS) (formerly the Soil Conservation Service) hydrologic methods (available in TR-20, TR-55 or HEC) should be used.

(C) *Detention pond storage determination.* A flow-routing analysis using detailed hydrographs must be applied for all detention pond designs. The NRCS hydrologic methods (available in TR-20, TR-55, HEC-1, HEC RAS and the Hydrologic Engineering Center (HEC)) hydrologic methods may be used for areas of 200 acres or more. Use of the Modified Rational Method is limited to drainage areas less than 200 acres. If additional methods become available, they must be approved by the city prior to submittal of plats.

(Ord. 2007-18, passed 6-26-07)

158.09 STORM WATER DETENTION.

(A) Pre-developed peak flows generated from the 25-year frequency storm shall not be increased. The peak flows from the 25-year storm shall be detained in onsite stormwater detention basins with release rates equal to, or less than, the flows generated from the site for the 25-year storm event when the site was in its existing (natural) state. Detention ponds must also be designed such that the 100-year storm will not overtop the structure. The Engineer shall design an emergency spillway system that will safely discharge the 100-year storm without damage to the downstream property.

(B) The City Engineer or the Director of Public Works shall have the authority to waive the requirement for onsite detention, provided that at least one of the following conditions is met:

(1) The development is eligible to financially participate in an approved Regional Stormwater Management Program (Facility). Under this provision, the applicant shall demonstrate that the peak, post-developed runoff generated from the 100-year storm can be conveyed downstream to the Regional Facility and not impact adversely any downstream properties. An adverse impact shall be:

(a) Any impact which causes an inundation, or an increased inundation, of any building structure, roadway, or improvement.

(b) Downstream erosion and/or sedimentation, or an increase in erosion and/or sedimentation.

(2) The development is adjacent to a defined water course that has sufficient capacity to convey the site's post-developed peak discharge from the 100-year storm event without creating an adverse impact on any other properties. The discharge in the water course shall be determined by using the 100-year storm event with the post-developed site and the remainder of the watershed in an ultimate build-out state.

(3) The development is located within the watershed such that onsite detention may worsen downstream conditions of the watershed. In such cases, the developer's Engineer shall demonstrate that conveyance or a combination of detention and conveyance will provide a safer downstream condition.

(4) The applicant can demonstrate that there will be no increased adverse effect to downstream properties, or if changes made by the applicant to downstream properties can mitigate future increased adverse effects.

(Ord. 2007-18, passed 6-26-07)

158.10 FLOODPLAIN MANAGEMENT.

(A) *City of Harker Heights.*

(1) In all cases where floodplain delineation is required, its determination shall be based on the projected ultimate development of all properties contributing to the point of consideration. It is the responsibility of the developer's Engineer to determine that the ultimate developed drainage condition is based on the most accurate information available.

(2) For the purposes of this policy, any concentrated flow within a watershed that has a drainage area of 320 acres or greater, unless previously defined by FEMA, shall be delineated as a floodplain.

(3) All existing floodplains created by the base flood as computed with current, existing conditions, shall be deemed the Floodway (regulatory floodway) and shall be wholly contained within dedicated rights-of-way or easements. Encroachments are prohibited, including fill, new construction, substantial improvements and other development unless certification by a Professional Engineer is provided, demonstrating that encroachments shall not result in any increase in flood levels within the community during the occurrence of the base flood discharge.

(4) All new construction and substantial improvements of buildings (structures) shall have the lowest floor (including basement) one foot above the base flood, based upon the projected, ultimate development of all properties (without storm water detention) contributing to the point of consideration.

(5) All floodplains shall be computed utilizing the computer software and methodologies outlined in the Drainage Criteria Manual and accepted by FEMA.

(6) If land development activities are proposed which will result in flood hazard boundary delineations different from those depicted on the current Flood Insurance Rate Map (FIRM) issued by the Federal Emergency Management Agency (FEMA), the applicant for a development permit shall obtain a Conditional/Letter of Map Revision (CLOMR/LOMR) from FEMA.

(7) All floodplain delineations for FIRM revisions shall be based upon cross-sections developed in accordance with the accepted FEMA guidelines.

(B) *Federal Emergency Management Agency.* FEMA guidelines shall be followed.

(C) *Coordination of City of Harker Heights and FEMA floodplain delineations.* For all subdivisions developed adjacent to or within non-detailed designated FEMA floodplains, the applicant/ developer shall be required to provide a detailed study to determine the Base Flood Elevations (BFEs) for all lots that are adjacent or within the non-detailed area. The BFEs must be developed using approved FEMA guidelines and methods. A copy is to be furnished to the city prior to final plat.

(Ord. 2007-18, passed 6-26-07)

158.11 LOT GRADING.

(A) All retail, commercial and industrial site developments must provide a site grading and drainage plan that includes drainage computations, detention of runoff (if required) and a detailed site grading plan that does not adversely affect adjacent lots, property or downstream property.

(B) A comprehensive grading scheme including all proposed lots shall be included with subdivision construction plans. The grading scheme will include arrows indicating the direction of flow of runoff for each lot. The finished floor slab elevation shall be a minimum of one foot above the average top of curb elevation fronting the lot. Where practical, all lots shall be graded from rear to front, at which point the drainage shall be intercepted by the street. If the minimum one-foot requirement can not be met due to land slope, topography or existing trees, alternate grading schemes may be utilized. In these instances it shall be demonstrated to the satisfaction of the City Engineer or Director of Public Works that grading from front to rear would be more reasonably adaptable to the existing topography. All lots that fall into this second category shall be identified on the final plat by a listing table.

(C) Finished floor elevations shall be shown for all lots adjacent to or encroaching upon the FEMA- designated 100-year floodplain. Finished floor elevations shall be a minimum of two feet above the ultimate base flood elevations.

(D) The applicant for a building permit for a residential lot that is included in the listing table described in division (B) above and is graded from front to rear shall prepare a detailed site-grading plan that includes elevations for all corners of the subject lot, the finished floor slab elevation, final contours, swales, and any modifications to side yard or rear yard fencing to facilitate removal of runoff from the subject lot.

(Ord. 2007-18, passed 6-26-07)

158.12 EROSION CONTROL.

Rock berms, silt fences, sedimentation basins, stabilized construction entrances/exits and similar recognized techniques shall be employed during and after construction to prevent point source sedimentation loading of downstream facilities. Such installations shall comply with current TCEQ requirements. Additional measures may be required during and after construction if during subsequent runoff events erosion or sediment damage is documented as a violation of TCEQ Regulations or city ordinance by city staff.

(Ord. 2007-18, passed 6-26-07)

Grid A September - December

Grid	#	Street / location	Street	Date Checked	Date Cleaned	Priority	Drains	Comment
A	1	1	Roy Reynolds	Mar-25		3	Killeen	
A	2	2	Roy Reynolds	Mar-25		3	Killeen	
A	3	3	Roy Reynolds	Mar-25		3	Killeen	
A	4	4	Roy Reynolds	Mar-25		3	Killeen	
A	5	5	Roy Reynolds	Mar-25		3	Killeen	
A	6	6	Roy Reynolds	Mar-25		3	Killeen	
A	7	7	Roy Reynolds	Mar-25		3	Killeen	
A	8	8	Roy Reynolds	Mar-25		3	Killeen	
A	9	9	Roy Reynolds	Mar-25		3	Killeen	
A	10	10	Roy Reynolds	Mar-25		3	Killeen	
A	11	11	Roy Reynolds	Mar-25		3	Killeen	
A	12	12	Roy Reynolds	Mar-25		3	Killeen	
A	13	1	1522 Harley	Mar-25		2	Nolan Creek	
A	14	2	1612 Harley	Mar-25		2	Nolan Creek	
A	15	3	1702 Harley	Mar-25		2	Nolan Creek	
A	16	4	1712 Harley	Mar-25		2	Nolan Creek	
A	17	5	1716 Harley	Mar-25		2	Nolan Creek	
A	18	6	1711 Harley	Mar-25		2	Nolan Creek	
A	19	1	119 Ruby	Mar-25		2	Nolan Creek	
A	20	2	116 Ruby	Mar-25		2	Nolan Creek	
A	21	1	Janie	Mar-25		2	Nolan Creek	
A	22	2	Janie	Mar-25		2	Nolan Creek	
A	23	1	101 Arlo @ Ann	Mar-25		2	Nolan Creek	
A	24	2	101 Arlo @ Ann	Mar-25		2	Nolan Creek	
A	25	3	Arlo @ Ann	Mar-25		2	Nolan Creek	
A	26	4	Arlo @ Ann	Mar-25		2	Nolan Creek	
A	27	5	Arlo @ Ann	Mar-25		2	Nolan Creek	
A	28	1215	Ann	Mar-25		2	Nolan Creek	
A	29	1702	Ann	Mar-25		2	Nolan Creek	
A	30	1601	Ann	Mar-25		2	Nolan Creek	
A	31	102	W. Cherokee	Mar-25		2	Nolan Creek	
A	32	101	W. Cherokee	Mar-25		2	Nolan Creek	
A	33	1203	Bluebird	Mar-25		2	Nolan Creek	
A	34		Bluebird @ Cardinal	Mar-25		2	Nolan Creek	
A	35	1701	Harley	Mar-25		2	Nolan Creek	
A	36	1527	Harley	Mar-25		2	Nolan Creek	
A	37	605	Harley	Mar-25		2	Nolan Creek	
A	38	508	Harley	Mar-25		2	Nolan Creek	
A	39		Ann @ Cherokee	Mar-25		2	Nolan Creek	
A	40		Ann @ Cherokee	Mar-25		2	Nolan Creek	
A	41	1202	Ann	Mar-25		2	Nolan Creek	
A	42	508	Harley	Mar-25		2	Nolan Creek	
A	43	508	Ruby	Mar-25		2	Nolan Creek	
A	44		Ann @ VMB	Mar-25		2	Nolan Creek	
A	45		Ann @ kathy	Mar-25		2	Nolan Creek	
A	46	100	Ann	Mar-25		2	Nolan Creek	
A	47	105	Wren	Mar-25		2	Nolan Creek	
A	48		Woodlawn @ Harley	Mar-25		2	Nolan Creek	
A	49		Woodlawn @ Harley	Mar-25		2	Nolan Creek	
A	50		Cagle @ Redwood	Mar-25		2	Nolan Creek	
A	51	1615	Cagle @ Redwood	Mar-25		2	Nolan Creek	
A	52		Cagle @ Harley	Mar-25		2	Nolan Creek	
A	53		Cagle @ Harley	Mar-25		2	Nolan Creek	

Grid B July - August

Grid	#	Street / location	Street	Date Checked	Date Cleaned	Priority	Drains	Comment
B	1		Millers Crossing	Mar-25		2	Nolan Creek	
B	2	2018	Caribou	Mar-25		2	Nolan Creek	
B	3		Millers Cossing	Mar-25		2	Nolan Creek	
B	4	1617	Antelope	Mar-25		2	Nolan Creek	
B	5	1700	Antelope	Mar-25		2	Nolan Creek	
B	6	1702	Antelope	Mar-25		2	Nolan Creek	
B	7		Millers Crossing	Mar-25		2	Nolan Creek	
B	8	End of Street	Antelope	Mar-25		2	Nolan Creek	
B	9		Ashwood @ Verna Lee	Mar-25		2	Stillhouse Lake	
B	10	708	Bobcat	Mar-25		2	Nolan Creek	
B	11	2015	Caribou	Mar-25		2	Nolan Creek	
B	12		What-a-Butrger	Mar-25		2	Nolan Creek	
B	13	1706	Fox Trail	Mar-25		2	Nolan Creek	
B	14		Millers Crossing	Mar-25		2	Nolan Creek	
B	15	1701	Fox Trail	Mar-25		2	Nolan Creek	
B	16	1615	Fox Trail	Mar-25		2	Nolan Creek	
B	17	1720	Fox Trail	Mar-25		2	Nolan Creek	
B	18	1722	Fox Trail	Mar-25		2	Nolan Creek	
B	19	1716 A	Fox Trail	Mar-25		2	Nolan Creek	
B	20	1716 B	Fox Trail	Mar-25		2	Nolan Creek	
B	21	609	Frontier	Mar-25		2	Nolan Creek	
B	22		Lemonwood @ Verna Lee	Mar-25		2	Stillhouse Lake	
B	23	1700	Lynx	Mar-25		2	Stillhouse Lake	
B	24	1701	Lynx	Mar-25		2	Stillhouse Lake	
B	25		What - Burger Rd	Mar-25		2	Stillhouse Lake	
B	26		Maplewood @ Verna Lee	Mar-25		2	Sill House Lake	
B	27		Ramblewood @ Verna Lee	Mar-25		2	Stillhouse Lake	
B	28		Rosewood @ Verna Lee	Mar-25		2	Stillhouse Lake	
B	29	2050	Verna Lee	Mar-25		2	Nolan Creek	
B	30	2090	Verna Lee	Mar-25		2	Nolan Creek	
B	31	601	Llama	Mar-25		2	Nolan Creek	
B	32	1809	Wolverine	Mar-25		2	Nolan Creek	
B	33	1	Clore	Mar-25		1	Nolan Creek	
B	34	2	Clore	Mar-25		1	Nolan Creek	
B	35	1	Lookout Ridge	Mar-25		1	Nolan Creek	
B	36	2	Lookout Ridge	Mar-25		1	Nolan Creek	
B	37	3	Lookout Ridge	Mar-25		1	Nolan Creek	
B	38	4	Lookout Ridge	Mar-25		1	Nolan Creek	
B	39	5	Lookout Ridge	Mar-25		1	Nolan Creek	
B	40	6	Lookout Ridge	Mar-25		1	Nolan Creek	

Grid B July - August

Grid	#	Street / location	Street	Date Checked	Date Cleaned	Priority	Drains	Comment
B	41	7	Lookout Ridge	Mar-25		1	Nolan Creek	
B	42	8	Lookout Ridge	Mar-25		1	Nolan Creek	
B	43	1	Indian Oaks	Mar-25		1	Nolan Creek	
B	44	1901	Chaucer	Mar-25		2	Sill House Lake	
B	45	1	Guinevere	Mar-25		2	Sill House Lake	
B	46	2	Guinevere	Mar-25		2	Sill House Lake	
B	47	3	Guinevere	Mar-25		2	Sill House Lake	
B	48	4	Guinevere	Mar-25		2	Sill House Lake	
B	49	5	Guinevere	Mar-25		2	Sill House Lake	
B	50	6	Guinevere	Mar-25		2	Sill House Lake	
B	51	1200	Lacelot	Mar-25		2	Sill House Lake	
B	52	1	Old Nolanville Rd	Mar-25		1	Nolan Creek	
B	53	2	Old Nolanville Rd	Mar-25		1	Nolan Creek	
B	54	3	Old Nolanville Rd	Mar-25		1	Nolan Creek	
B	55	4	Old Nolanville Rd	Mar-25		1	Nolan Creek	
B	56	5	Old Nolanville Rd	Mar-25		1	Nolan Creek	
B	57	6	Old Nolanville Rd	Mar-25		1	Nolan Creek	
B	58	7	Old Nolanville Rd	Mar-25		1	Nolan Creek	
B	59	7	Old Nolanville Rd	Mar-25		1	Nolan Creek	
B	60	7	Old Nolanville Rd	Mar-25		1	Nolan Creek	
B	61	7	Old Nolanville Rd	Mar-25		1	Nolan Creek	
B	62	7	Old Nolanville Rd	Mar-25		1	Nolan Creek	
B	63	7	Old Nolanville Rd	Mar-25		1	Nolan Creek	
B	64	7	Old Nolanville Rd	Mar-25		1	Nolan Creek	
B	65	7	Old Nolanville Rd	Mar-25		1	Nolan Creek	
B	66	7	Old Nolanville Rd	Mar-25		1	Nolan Creek	
B	67	7	Old Nolanville Rd	Mar-25		1	Nolan Creek	
B	68	7	Old Nolanville Rd	Mar-25		1	Nolan Creek	
B	69	7	Old Nolanville Rd	Mar-25		1	Nolan Creek	
B	70		Osage	Mar-25		1	Nolan Creek	
B	71	1511	Paint Brush	Mar-25		2	Nolan Creek	
B	72	604	Paint Brush	Mar-25		2	Nolan Creek	
B	73	608	Paint Brush	Mar-25		2	Nolan Creek	
B	74	602	Paint Brush	Mar-25		2	Nolan Creek	
B	75		Man o War	Mar-25		2	Nolan Creek	
B	76	1900	Rocky Mountain	Mar-25		2	Nolan Creek	
B	77	1901	Rocky Mountain	Mar-25		2	Nolan Creek	
B	78		Mountain View @ Rocky Mountain	Mar-25		2	Nolan Creek	
B	79	400	Gina	Mar-25		1	Nolan Creek	
B	80	401	Gina	Mar-25		1	Nolan Creek	
B	81	400	Silver Creek	Mar-25		1	Nolan Creek	
B	82	401	Silver Creek	Mar-25		1	Nolan Creek	
B	83	401	Jason	Mar-25		1	Nolan Creek	
B	84	1919	Deerfield Way	Mar-25		2	Nolan Creek	

Grid B July - August

Grid	#	Street / location	Street	Date Checked	Date Cleaned	Priority	Drains	Comment
B	85		High Ridge @ Rocky Ridge	Mar-25		2	Nolan Creek	
B	86	1900	McGinnis	Mar-25		2	Nolan Creek	
B	87	1901	McGinnis	Mar-25		2	Nolan Creek	
B	88	A	Mountain View @ McGinnis	Mar-25		2	Nolan Creek	
B	89	B	Mountain View @ McGinnis	Mar-25		2	Nolan Creek	
B	90	1103	Mountain View	Mar-25		2	Nolan Creek	
B	91	1	Indian Trail	Mar-25		2	Sill House Lake	
B	92	2	Indian Trail	Mar-25		2	Sill House Lake	
B	93	3	Indian Trail	Mar-25		2	Sill House Lake	
B	94	4	Indian Trail	Mar-25		2	Sill House Lake	
B	95	5	Indian Trail	Mar-25		2	Sill House Lake	
B	96	6	Indian Trail	Mar-25		2	Sill House Lake	
B	97	7	Indian Trail	Mar-25		2	Sill House Lake	
B	98	8	Indian Trail	Mar-25		2	Sill House Lake	
B	99	9	Indian Trail	Mar-25		2	Sill House Lake	
B	100	10	Indian Trail	Mar-25		2	Sill House Lake	
B	101	11	Indian Trail	Mar-25		2	Sill House Lake	
B	102	12	Indian Trail	Mar-25		2	Sill House Lake	
B	103	13	Indian Trail	Mar-25		2	Sill House Lake	
B	104	14	Indian Trail	Mar-25		2	Sill House Lake	
B	105	15	Indian Trail	Mar-25		2	Sill House Lake	
B	106	16	Indian Trail	Mar-25		2	Sill House Lake	
B	107	17	Indian Trail	Mar-25		2	Sill House Lake	
B	108	18	Indian Trail	Mar-25		2	Sill House Lake	
B	109	19	Indian Trail	Mar-25		2	Sill House Lake	
B	110	20	Indian Trail	Mar-25		2	Sill House Lake	
B	111	21	Indian Trail	Mar-25		2	Sill House Lake	
B	112	22	Indian Trail	Mar-25		2	Sill House Lake	
B	113	23	Indian Trail	Mar-25		2	Sill House Lake	
B	114	24	Indian Trail	Mar-25		2	Sill House Lake	
B	115	25	Indian Trail	Mar-25		2	Sill House Lake	
B	116	26	Indian Trail	Mar-25		2	Sill House Lake	
B	117	27	Indian Trail	Mar-25		2	Sill House Lake	
B	118	28	Indian Trail	Mar-25		2	Sill House Lake	
B	119	1	Verna Lee	Mar-25		2	Sill House Lake	
B	120	2	Verna Lee	Mar-25		2	Sill House Lake	
B	121	3	Verna Lee	Mar-25		2	Sill House Lake	
B	122	4	Verna Lee	Mar-25		2	Sill House Lake	
B	123	5	Verna Lee	Mar-25		2	Sill House Lake	
B	124	6	Ashwood @ Verna Lee	Mar-25		2	Sill House Lake	
B	125	7	Verna Lee	Mar-25		2	Sill House Lake	
B	126		Morgan	Mar-25		2	Sill House Lake	
B	127	1713	Fox Trail	Mar-25		2	Sill House Lake	
B	128	1710	Fox Trail	Mar-25		2	Sill House Lake	

Grid B July - August

Grid	#	Street / location	Street	Date Checked	Date Cleaned	Priority	Drains	Comment
B	129	2023	Kangaroo	Mar-25		1	Nolan Creek	
B	130	600	Pioneer	Mar-25		1	Nolan Creek	
B	131	606	Ashwooed @ Pioneer	Mar-25		1	Nolan Creek	
B	132	2020	elk	Mar-25		1	Nolan Creek	
B	133		Zinfedel	Mar-25		1	Stillhouse Lake	
B	134		Zinfedel	Mar-25		1	Stillhouse Lake	
B	135		Wildwood	Mar-25		1	Stillhouse Lake	
B	136	1809	Wolverine	Mar-25		1	Stillhouse Lake	
B	137		Osage	Mar-25		2	Nolan Creek	
B	138	1700	Possum	Mar-25		2	Nolan Creek	
B	139	1715	Possum	Mar-25		2	Nolan Creek	
B	140	631	Frontier	Mar-25		2	Nolan Creek	
B	141	629	Frontier	Mar-25		2	Nolan Creek	
B	142		Elk @ Frontier	Mar-25		2	Nolan Creek	

B	143		Elk @ Frontier	Mar-25		2	Nolan Creek	

Grid C April thru June

Grid	#	Street / location	Street	Date Checked	Date Cleaned	Priority	Drains	Comment
C	1	3203	Cayuga	Mar-25		1	Stillhouse Lake	
C	2	2013	Blue Heron	Mar-25		1	Stillhouse Lake	
C	3	1	Fall Creek	Mar-25		2	Stillhouse Lake	
C	4	2	Fall Creek	Mar-25		2	Stillhouse Lake	
C	5		Shoreline @ Cedar Breaks	Mar-25		1	Stillhouse Lake	
C	6	1525	Hazelnut	Mar-25		1	Stillhouse Lake	
C	7	1526	Hazelnut	Mar-25		1	Stillhouse Lake	
C	8	1517	Hazelnut	Mar-25		1	Stillhouse Lake	
C	9	1518	Hazelnut	Mar-25		1	Stillhouse Lake	
C	10	1511	Hazelnut	Mar-25		1	Stillhouse Lake	
C	11	1512	Hazelnut	Mar-25		1	Stillhouse Lake	
C	12	2500	Mugho	Mar-25		1	Stillhouse Lake	
C	13	2500	Jackson	Mar-25		2	Stillhouse Lake	
C	14	2501	Jackson	Mar-25		2	Stillhouse Lake	
C	15	2519	Leatherwood	Mar-25		2	Stillhouse Lake	
C	16	2518	Leatherwood	Mar-25		2	Stillhouse Lake	
C	17	2506	Leatherwood	Mar-25		2	Stillhouse Lake	
C	18	2505	Leatherwood	Mar-25		2	Stillhouse Lake	
C	19	2501	Leatherwood	Mar-25		2	Stillhouse Lake	
C	20		Techni	Mar-25		2	Stillhouse Lake	
C	21		Techni	Mar-25		2	Stillhouse Lake	
C	22		Loblolly	Mar-25		2	Stillhouse Lake	
C	23		Douglas Fir	Mar-25		2	Stillhouse Lake	
C	24		Douglas Fir	Mar-25		2	Stillhouse Lake	
C	25		Douglas Fir	Mar-25		2	Stillhouse Lake	
C	26		Douglas Fir	Mar-25		2	Stillhouse Lake	
C	27		Douglas Fir	Mar-25		2	Stillhouse Lake	
C	28		Douglas Fir	Mar-25		2	Stillhouse Lake	
C	29		Douglas Fir	Mar-25		2	Stillhouse Lake	
C	30		Evergreen Phase 5	Mar-25		2	Stillhouse Lake	
C	31		Evergreen Phase 5	Mar-25		2	Stillhouse Lake	
C	24	1	FM 2410 (Indian trail to Hwy 190)	Apr-25		3	TxDOT	
C	25	2	FM 2410 (Indian trail to Hwy 190)	Apr-25		3	TxDOT	
C	26	3	FM 2410 (Indian trail to Hwy 190)	Apr-25		3	TxDOT	
C	27	4	FM 2410 (Indian trail to Hwy 190)	Apr-25		3	TxDOT	
C	28	5	FM 2410 (Indian trail to Hwy 190)	Apr-25		3	TxDOT	
C	29	6	FM 2410 (Indian trail to Hwy 190)	Apr-25		3	TxDOT	
C	30	7	FM 2410 (Indian trail to Hwy 190)	Apr-25		3	TxDOT	
C	31	8	FM 2410 (Indian trail to Hwy 190)	Apr-25		3	TxDOT	
C	32	9	FM 2410 (Indian trail to Hwy 190)	Apr-25		3	TxDOT	
C	33	10	FM 2410 (Indian trail to Hwy 190)	Apr-25		3	TxDOT	
C	34	11	FM 2410 (Indian trail to Hwy 190)	Apr-25		3	TxDOT	
C	35	12	FM 2410 (Indian trail to Hwy 190)	Apr-25		3	TxDOT	
C	36	13	FM 2410 (Indian trail to Hwy 190)	Apr-25		3	TxDOT	
C	37	14	FM 2410 (Indian trail to Hwy 190)	Apr-25		3	TxDOT	
C	38	15	FM 2410 (Indian trail to Hwy 190)	Apr-25		3	TxDOT	
C	39	16	FM 2410 (Indian trail to Hwy 190)	Apr-25		3	TxDOT	
C	40	17	FM 2410 (Indian trail to Hwy 190)	Apr-25		3	TxDOT	
C	41	18	FM 2410 (Indian trail to Hwy 190)	Apr-25		3	TxDOT	
C	42	19	FM 2410 (Indian trail to Hwy 190)	Apr-25		3	TxDOT	
C	43	20	FM 2410 (Indian trail to Hwy 190)	Apr-25		3	TxDOT	
C	44	21	FM 2410 (Indian trail to Hwy 190)	Apr-25		3	TxDOT	
C	45	22	FM 2410 (Indian trail to Hwy 190)	Apr-25		3	TxDOT	
C	46	23	FM 2410 (Indian trail to Hwy 190)	Apr-25		3	TxDOT	
C	47	24	FM 2410 (Indian trail to Hwy 190)	Apr-25		3	TxDOT	

Grid C April thru June

Grid	#	Street / location	Street	Date Checked	Date Cleaned	Priority	Drains	Comment
C	48	25	FM 2410 (Indian trail to Hwy 190)	Apr-25		3	TxDOT	
C	49	26	FM 2410 (Indian trail to Hwy 190)	Apr-25		3	TxDOT	
C	50	27	FM 2410 (Indian trail to Hwy 190)	Apr-25		3	TxDOT	
C	51	28	FM 2410 (Indian trail to Hwy 190)	Apr-25		3	TxDOT	
C	52	29	FM 2410 (Indian trail to Hwy 190)	Apr-25		3	TxDOT	
C	53	30	FM 2410 (Indian trail to Hwy 190)	Apr-25		3	TxDOT	
C	54	31	FM 2410 (Indian trail to Hwy 190)	Apr-25		3	TxDOT	
C	55	32	FM 2410 (Indian trail to Hwy 190)	Apr-25		3	TxDOT	
C	56	33	FM 2410 (Indian trail to Hwy 190)	Apr-25		3	TxDOT	
C	57	34	FM 2410 (Indian trail to Hwy 190)	Apr-25		3	TxDOT	
C	58	35	FM 2410 (Indian trail to Hwy 190)	Apr-25		3	TxDOT	
C	59	36	FM 2410 (Indian trail to Hwy 190)	Apr-25		3	TxDOT	
C	60	37	FM 2410 (Indian trail to Hwy 190)	Apr-25		3	TxDOT	
C	61	38	FM 2410 (Indian trail to Hwy 190)	Apr-25		3	TxDOT	
C	62	39	FM 2410 (Indian trail to Hwy 190)	Apr-25		3	TxDOT	
C	63	40	FM 2410 (Indian trail to Hwy 190)	Apr-25		3	TxDOT	
C	64	41	FM 2410 (Indian trail to Hwy 190)	Apr-25		3	TxDOT	
C	65	42	FM 2410 (Indian trail to Hwy 190)	Apr-25		3	TxDOT	
C	66	43	FM 2410 (Indian trail to Hwy 190)	Apr-25		3	TxDOT	
C	67	44	FM 2410 (Indian trail to Hwy 190)	Apr-25		3	TxDOT	
C	68	45	FM 2410 (Indian trail to Hwy 190)	Apr-25		3	TxDOT	
C	69	46	FM 2410 (Indian trail to Hwy 190)	Apr-25		3	TxDOT	
C	70	47	FM 2410 (Indian trail to Hwy 190)	Apr-25		3	TxDOT	
C	71	48	FM 2410 (Indian trail to Hwy 190)	Apr-25		3	TxDOT	
C	72	49	FM 2410 (Indian trail to Hwy 190)	Apr-25		3	TxDOT	
C	73	50	FM 2410 (Indian trail to Hwy 190)	Apr-25		3	TxDOT	
C	74	51	FM 2410 (Indian trail to Hwy 190)	Apr-25		3	TxDOT	
C	75	52	FM 2410 (Indian trail to Hwy 190)	Apr-25		3	TxDOT	
C	76	53	FM 2410 (Indian trail to Hwy 190)	Apr-25		3	TxDOT	
C	77	54	FM 2410 (Indian trail to Hwy 190)	Apr-25		3	TxDOT	
C	78	55	FM 2410 (Indian trail to Hwy 190)	Apr-25		3	TxDOT	
C	79	56	FM 2410 (Indian trail to Hwy 190)	Apr-25		3	TxDOT	
C	80	57	FM 2410 (Indian trail to Hwy 190)	Apr-25		3	TxDOT	
C	81	58	FM 2410 (Indian trail to Hwy 190)	Apr-25		3	TxDOT	
C	82	59	FM 2410 (Indian trail to Hwy 190)	Apr-25		3	TxDOT	
C	83	60	FM 2410 (Indian trail to Hwy 190)	Apr-25		3	TxDOT	
C	84	61	FM 2410 (Indian trail to Hwy 190)	Apr-25		3	TxDOT	
C	85	62	FM 2410 (Indian trail to Hwy 190)	Apr-25		3	TxDOT	
C	86	63	FM 2410 (Indian trail to Hwy 190)	Apr-25		3	TxDOT	
C	87	64	FM 2410 (Indian trail to Hwy 190)	Apr-25		3	TxDOT	
C	88	65	FM 2410 (Indian trail to Hwy 190)	Apr-25		3	TxDOT	
C	89	66	FM 2410 (Indian trail to Hwy 190)	Apr-25		3	TxDOT	
C	90	67	FM 2410 (Indian trail to Hwy 190)	Apr-25		3	TxDOT	
C	91	68	FM 2410 (Indian trail to Hwy 190)	Apr-25		3	TxDOT	

Grid C April thru June

Grid	#	Street / location	Street	Date Checked	Date Cleaned	Priority	Drains	Comment
C	92	69	FM 2410 (Indian trail to Hwy 190)	Apr-25		3	TxDOT	
C	93	70	FM 2410 (Indian trail to Hwy 190)	Apr-25		3	TxDOT	
C	94	71	FM 2410 (Indian trail to Hwy 190)	Apr-25		3	TxDOT	
C	95	72	FM 2410 (Indian trail to Hwy 190)	Apr-25		3	TxDOT	
C	96	73	FM 2410 (Indian trail to Hwy 190)	Apr-25		3	TxDOT	
C	97	74	FM 2410 (Indian trail to Hwy 190)	Apr-25		3	TxDOT	
C	98	75	FM 2410 (Indian trail to Hwy 190)	Apr-25		3	TxDOT	
C	99	76	FM 2410 (Indian trail to Hwy 190)	Apr-25		3	TxDOT	
C	100	77	FM 2410 (Indian trail to Hwy 190)	Apr-25		3	TxDOT	
C	101	78	FM 2410 (Indian trail to Hwy 190)	Apr-25		3	TxDOT	
C	102	79	FM 2410 (Indian trail to Hwy 190)	Apr-25		3	TxDOT	
C	103	80	FM 2410 (Indian trail to Hwy 190)	Apr-25		3	TxDOT	
C	104	81	FM 2410 (Indian trail to Hwy 190)	Apr-25		3	TxDOT	
C	105	82	FM 2410 (Indian trail to Hwy 190)	Apr-25		3	TxDOT	
C	106	83	FM 2410 (Indian trail to Hwy 190)	Apr-25		3	TxDOT	
C	107	84	FM 2410 (Indian trail to Hwy 190)	Apr-25		3	TxDOT	
C	108	85	FM 2410 (Indian trail to Hwy 190)	Apr-25		3	TxDOT	
C	109	86	FM 2410 (Indian trail to Hwy 190)	Apr-25		3	TxDOT	
C	110	87	FM 2410 (Indian trail to Hwy 190)	Apr-25		3	TxDOT	
C	111	88	FM 2410 (Indian trail to Hwy 190)	Apr-25		3	TxDOT	
C	112	89	FM 2410 (Indian trail to Hwy 190)	Apr-25		3	TxDOT	
C	113	90	FM 2410 (Indian trail to Hwy 190)	Apr-25		3	TxDOT	
C	114	91	FM 2410 (Indian trail to Hwy 190)	Apr-25		3	TxDOT	
C	115	92	FM 2410 (Indian trail to Hwy 190)	Apr-25		3	TxDOT	
C	116	93	FM 2410 (Indian trail to Hwy 190)	Apr-25		3	TxDOT	
C	117	94	FM 2410 (Indian trail to Hwy 190)	Apr-25		3	TxDOT	
C	118	95	FM 2410 (Indian trail to Hwy 190)	Apr-25		3	TxDOT	

Grid D January thru March

Grid	#	Street / location	Street	Date Checked	Date Cleaned	Priority	Drains	Comment
D	1	2204	Blackfoot	Apr-25		2	Stillhouse Lake	
D	2	2206	Blackfoot	Apr-25		2	Stillhouse Lake	
D	3	2208	Blackfoot	Apr-25		2	Stillhouse Lake	
D	4	119	Harvest Loop	Apr-25		2	Stillhouse Lake	
D	5	A	Deer Horn Pass @ Modoc	Apr-25		2	Stillhouse Lake	
D	6	B	Deer Horn Pass @ Modoc	Apr-25		2	Stillhouse Lake	
D	7	100	Lone Shadow	Apr-25		2	Stillhouse Lake	
D	8	2140	Modoc	Apr-25		2	Stillhouse Lake	
D	9	2312	Modoc	Apr-25		2	Stillhouse Lake	
D	10	1	Mountain Lion	Apr-25		2	Stillhouse Lake	
D	11	2	Mountain Lion	Apr-25		2	Stillhouse Lake	
D	12	3	Mountain Lion	Apr-25		2	Stillhouse Lake	
D	13	4	Mountain Lion	Apr-25		2	Stillhouse Lake	
D	14	5	Mountain Lion	Apr-25		2	Stillhouse Lake	
D	15	6	Mountain Lion	Apr-25		2	Stillhouse Lake	
D	16	7	Mountain Lion	Apr-25		2	Stillhouse Lake	
D	17	8	Mountain Lion	Apr-25		2	Stillhouse Lake	
D	18	9	Mountain Lion	Apr-25		2	Stillhouse Lake	
D	19	10	Mountain Lion	Apr-25		2	Stillhouse Lake	
D	20	11	Mountain Lion	Apr-25		2	Stillhouse Lake	
D	21	12	Mountain Lion	Apr-25		2	Stillhouse Lake	
D	22	13	Mountain Lion	Apr-25		2	Stillhouse Lake	
D	23	14	Mountain Lion	Apr-25		2	Stillhouse Lake	
D	24	15	Mountain Lion	Apr-25		2	Stillhouse Lake	
D	25	16	Mountain Lion	Apr-25		2	Stillhouse Lake	
D	26	17	Mountain Lion	Apr-25		2	Stillhouse Lake	
D	27	18	Mountain Lion	Apr-25		2	Stillhouse Lake	
D	28	19	Mountain Lion	Apr-25		2	Stillhouse Lake	
D	29	20	Mountain Lion	Apr-25		2	Stillhouse Lake	
D	30	21	Mountain Lion	Apr-25		2	Stillhouse Lake	
D	31	22	Mountain Lion	Apr-25		2	Stillhouse Lake	
D	32	23	Mountain Lion	Apr-25		2	Stillhouse Lake	
D	33	24	Mountain Lion	Apr-25		2	Stillhouse Lake	
D	34	25	Mountain Lion	Apr-25		2	Stillhouse Lake	
D	35	26	Mountain Lion	Apr-25		2	Stillhouse Lake	
D	36	27	Mountain Lion	Apr-25		2	Stillhouse Lake	
D	37	28	Mountain Lion	Apr-25		2	Stillhouse Lake	

Grid D January thru March

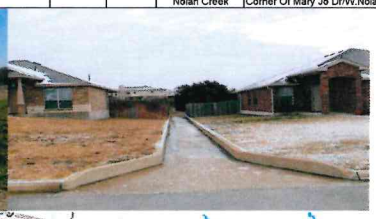
Grid	#	Street / location	Street	Date Checked	Date Cleaned	Priority	Drains	Comment
D	38	29	Mountain Lion	Apr-25		2	Stillhouse Lake	
D	39	131	Shawnee	Apr-25		2	Stillhouse Lake	
D	40	128	Shawnee	Apr-25		2	Stillhouse Lake	
D	41	120	Shawnee	Apr-25		2	Stillhouse Lake	
D	42	121	Shawnee	Apr-25		2	Stillhouse Lake	
D	43	110	Shawnee	Apr-25		2	Stillhouse Lake	
D	44	111	Shawnee	Apr-25		2	Stillhouse Lake	
D	45	101 A	E Running Wolf	Apr-25		2	Stillhouse Lake	
D	46	101 B	E Running Wolf	Apr-25		2	Stillhouse Lake	
D	47	101 A	W Running Wolf	Apr-25		2	Stillhouse Lake	
D	48	101 B	W Running Wolf	Apr-25		2	Stillhouse Lake	
D	49	A	Wampum @ 2410	Apr-25		2	Stillhouse Lake	
D	50	100	Wickiup	Apr-25		2	Stillhouse Lake	
D	51	101	Wickiup	Apr-25		2	Stillhouse Lake	
D	52	1	Memory Lane	Apr-25		2	Stillhouse Lake	
D	53	1	Commercial	Apr-25		2	Stillhouse Lake	
D	54	2	Commercial	Apr-25		2	Stillhouse Lake	
D	55		Commercial	Apr-25		2	Stillhouse Lake	
D	56		Wilderness at Mountain lion	Apr-25		2	Stillhouse Lake	
D	57	2208	Blackfoot at Illionios	Apr-25		2	Stillhouse Lake	
D	58		Memory Lane	Apr-25		2	Stillhouse Lake	
D	59		Wilderness @ Catawba	Apr-25		2	Stillhouse Lake	
D	60	2205	Wilderness	Apr-25		2	Stillhouse Lake	
D	61		Crowfoot @ Ponderosa	Apr-25		2	Stillhouse Lake	
D	62		Crowfoot @ Ponderosa	Apr-25		2	Stillhouse Lake	
D	63		Crowfoot @ Ponderosa	Apr-25		2	Stillhouse Lake	
D	64		Tuscany Meadow	Apr-25		1	Stillhouse Lake	
D	65		Tuscany Meadow	Apr-25		1	Stillhouse Lake	
D	66		Tuscany Meadow	Apr-25		1	Stillhouse Lake	
D	67		Tuscany Meadow	Apr-25		1	Stillhouse Lake	
D	68		Tuscany Meadow	Apr-25		1	Stillhouse Lake	
D	69		Tuscany Meadow	Apr-25		1	Stillhouse Lake	
D	70		Tuscany Meadow	Apr-25		1	Stillhouse Lake	
D	71		Tuscany Meadow	Apr-25		1	Stillhouse Lake	
D	72		Tuscany Meadow	Apr-25		1	Stillhouse Lake	
D	73		Tuscany Meadow	Apr-25		1	Stillhouse Lake	
D	74		Tuscany Meadow	Apr-25		1	Stillhouse Lake	
D	75		Tuscany Meadow	Apr-25		1	Stillhouse Lake	
D	76		Tuscany Meadow	Apr-25		1	Stillhouse Lake	
D	77		Tuscany Meadow	Apr-25		1	Stillhouse Lake	
D	78		Tuscany Meadow	Apr-25		1	Stillhouse Lake	
D	79		Tuscany Meadow	Apr-25		1	Stillhouse Lake	
D	80		Tuscany Meadow	Apr-25		1	Stillhouse Lake	

Concrete Flumes To Stillhouse Lake

Grid	#	House #	Street	Date Checked	Date Cleaned	Priority	Drains To	Comment
	1	2201	Memory Lane				Stillhouse Lake	
	2	2213	Memory Lane				Stillhouse Lake	
	3	2223	Memory Lane				Stillhouse Lake	
	4	2407	Caroline Court				Stillhouse Lake	
	5	2102	Modoc Dr				Stillhouse Lake	
	6	2110	Modoc Dr				Stillhouse Lake	
	7	2132	Modoc Dr				Stillhouse Lake	
	8	2402	Modoc Dr				Stillhouse Lake	
	9	208	E. Iowa Dr				Stillhouse Lake	
	10	222	E. Iowa Dr				Stillhouse Lake	
	11	504	Canoe Dr				Stillhouse Lake	
	12	506	Etowah Dr				Stillhouse Lake	
	13	505	Grass Dancer Ave				Stillhouse Lake	
	14	437	W.Iowa Dr				Stillhouse Lake	
	15	427	W.Iowa Dr				Stillhouse Lake	
	16	412	Chieftain Trl				Stillhouse Lake	
	17	407	Canoe Dr				Stillhouse Lake	
	18	2804	Modoc Dr				Stillhouse Lake	
	19	102	Corrall Court				Stillhouse Lake	
	20	2021	Rain Dance Loop				Stillhouse Lake	
	21	2411	Nickelback Dr				Stillhouse Lake	

Drainage Ditches To Nolan Creek

Grid	#	House #	Street	Date Checked	Date Cleaned	Priority	Drains To	Comment
	1	N/A	Pecan Dr				Nolan Creek	Corner Of W.ValleyRd/Pecan Dr
	2	N/A	Pecan Dr				Nolan Creek	Next to WW Plant
	3	N/A	N.Amy Ln				Nolan Creek	End of N.Amy Ln
	4	N/A	N.Ann Blvd				Nolan Creek	End of N.Ann Blvd
	5	N/A	W.Nolan Trl				Nolan Creek	Corner Of Mary Jo Dr/W.Nolan Trl



Detention Basins

Zone	Site #	Location	Private or Public Maintenance
A	A-1	1212 E VMB (Truck Stop)	Private
A	A-2	Cinemark	Private
A	A-3	Goode Connell	Public
A	A-4	Indian Oaks (behind Petco in Market Heights)	Private
B	B-1	2410 C. Park	Public
B	B-2	Chaucer	Private (but historically maintained by city)
B	B-3	Doc Whitten	Public
B	B-4	Emma Naylor	Public
B	B-5	Frontier	Public
B	B-6	Guinevere	Private (but historically maintained by city)
B	B-7	Nolan M.S.	Private
B	B-8	Rocky Ridge	Public
B	B-9	Stonewall Ridge	Public
B	B-10	Tru Trail	Public
B	B-11	Yuma @ Pueblo	Public
B	B-12	Pecan Meadow Subdivision	Private
C	C-1	Amy's Attic	Private
C	C-2	M.V.E	Private
C	C-3	McDonalds 2410	Private
C	C-4	Neighorhood Market	Private
C	C-5	Prospector (East side of FM 3481/Stillhouse Lake Rd.)	Private
C	C-6	Sams Club	Public
C	C-7	Shops @ Modoc	Private
C	C-8	Skipcha Elem.	Private
C	C-9	Union Grove M.S.	Private
C	C-10	YMCA	Private
D	D-1	Cedar Brook #1 (North of Torino St.)	Public
D	D-2	Cedar Brook #2 (West of Lavigne Ct. and Vesuvius Ct.)	Public
D	D-3	Evergreen Estates	Public
D	D-4	Fuller Q.H.E.	Public
D	D-5	Gomer	Private (but historically maintained by city)
D	D-6	Shoreline	Public

B-2-2-3 and B-2-2-5-3-2

Sign In Sheet
Annual Storm Water Training
Public Works and Parks Department
December 9, 2025
8:00 A.M.

Name/Department	Name/Department
1. [illegible] PW -	27.
2. Mike Chavez	28. Parks nRec
3. Norris Workers	29. Parks
4. Deron Wilson	30. P & R
5. Henry A. Nash	31. Park
6. [illegible]	32. Parks
7. [illegible]	33. Parks
8. [illegible] Pworks	34.
9. John LeiVar - Parks	35.
10. [illegible] PW	36. PW
11. Soedi Rivera Aderve - FM	37.
12. John Fox Streets	38.
13. Donavan Martinez Parks	39. T
14. Tyrin Godfrey Streets	40.
15. Buck LEWIS MAINTENANCE	41.
16. Tamara Gonzalez	42. Parks
17. Jonathan Del Toro	43. Parks & Rec.
18. Nathan Loris	44. Park
19. Kai Concepcion - Duenas	45. Park
20. Lance Lane - Parks	46.
21. Quinton Anderson - Parks	47.
22. Orlando Calderon	48. Wastewater.
23. Jonathan Rosado	49. WASTEWATER
24. Leonardo Solis	50.
25. ERIC "JACK" JACKSON	51.
26. CHARLES "CHUCK" ADAMS STREETS	52.

Jonathan Hicks — WW
Brandon Costa - Streets
Jarall Collins - Streets
[illegible] Parks
Daniel Carmichael Streets
Benjamin Bacerril Streets
[illegible] WW
Dawn Ray Beech W.W.
[illegible] JAIME DAVALOS WATER
Dale Reeves Water
Nathaniel Trimble Water
Arno Stemmer water
Todd Maxon WATER

ILLICIT DISCHARGE DETECTION AND ELIMINATION

EMPLOYEE HANDBOOK

Harker Heights

CITY OF HARKER HEIGHTS
2014

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Purpose of the Employee Handbook

The Public Works Department is committed to excellent customer service and improvement of our city's infrastructure. Public Works includes the following six divisions: Water, Waste Water, Street, Storm Drainage, Sanitation and Fleet Maintenance. Our greatest asset is our employees. This handbook is for the use of both new and experienced employees. The purpose of this Handbook is to provide employees with a general knowledge and a better understanding of illicit discharges and the harm they can cause to the environment and waterways. The Employee Handbook is provided for informational purposes only. It is designed to provide employees with the basic knowledge of illicit discharges, acronyms associated with illicit discharges, definitions associated with illicit discharges, and ways of identifying illicit discharges. The City of Harker Heights has the right to change, modify, or add policies and procedures to this handbook. The City of Harker Heights will notify the employees about any changes to this handbook. It is your responsibility as an employee to read this handbook. If further explanation or understanding is necessary, please talk with your supervisor and your supervisor will contact the necessary department for assistance.

ACROYNYMS

BMP	Best Management Practice
CWA	Clean Water Act
DMR	Discharge Monitoring Report
EPA	Environmental Protection Agency
NOC	Notice of Change
NOI	Notice of Intent
NPDES	National Pollutant Discharge Elimination System
SWMP	Storm Water Management Program
TCEQ	Texas Commission on Environmental Quality
WQD	Water Quality Division

Introduction

According to the Environmental Protection Agency (EPA) identifying and eliminating non-storm water discharges to storm sewers is an important and very cost-effective Best Management Practice (BMP) for improving runoff water quality. Non-storm water discharges can include discharges of process water, air conditioner condensate, non-contact cooling water, vehicle wash water, or sanitary wastes, and are typically the result of unauthorized connections of sanitary or process wastewater drains to storm sewers.

These connections are common, yet often go undetected. Typically these discharges are significant sources of pollutants, and, unless regulated by an NPDES permit, they are also illegal. Environmental impact evaluations have shown that the elimination of non-storm water discharges is an effective BMP, because such discharges may contain a significant loading of pollutants. Several studies exist on the contents of non-storm water discharges. Pitt and Shawley (1982) reported that non-storm water discharges were found to contribute substantial quantities of a variety of pollutants, even though the individual concentrations of each pollutant were not high.

Therefore, it is anticipated that elimination of non-storm water discharges will be a highly effective BMP. Identifying and eliminating non-storm water discharges has rarely been done at industrial facilities. Part of the problem is education: many facility operators are unaware of what constitutes a non-storm water discharge and what the potential environmental impacts of these discharges are. Compliance with NPDES permit requirements for the presence of non-storm water discharges will greatly improve the implementation of this BMP.

Definitions

Best Management Practices (BMPs) - Schedules of activities, prohibitions of practices, maintenance procedures, structural controls, local ordinances, and other management practices to prevent or reduce the discharge of pollutants. BMPs also include treatment requirements, operating procedures, and practices to control runoff, spills or leaks, waste disposal, or drainage from raw material storage areas.

Clean Water Act (CWA) - The Federal Water Pollution Control Act or Federal Water Pollution Control Act Amendments of 1972,

Conveyance - Curbs, gutters, man-made channels and ditches, drains, pipes, and other constructed features designed or used for flood control or to otherwise transport storm water runoff.

Discharge - When used without a qualifier, refers to the discharge of storm water runoff or certain non-storm water discharges as allowed under the authorization of this general permit.

Environmental Protection Agency (EPA) – is an agency of the U.S. federal government which was created for the purpose of protecting human health and the environment by writing and enforcing regulations based on laws passed by Congress. The EPA was proposed by President Richard Nixon and began operation on December 2, 1970, after Nixon signed an executive order.

Ground Water Infiltration - groundwater that enters a municipal separate storm sewer system (including sewer service connections and foundation drains) through such means as defective pipes, pipe joints, connections, or manholes.

Illicit Connection - Is a connection of any type of man-made conveyance that is connecting an illicit discharge directly to a municipal separate storm sewer.

Illicit Discharge - Any discharge to a municipal separate storm sewer that is not entirely composed of storm water, except discharges pursuant to this general permit or a separate authorization and discharges resulting from emergency firefighting activities.

Large Construction Activity - Construction activities including clearing, grading, and excavating that result in land disturbance of equal to or greater than five (5) acres of land. Large construction activity also includes the disturbance of less than five (5) acres of total land area that is part of a larger common plan of development or sale if the larger common plan will ultimately disturb equal to or greater than five (5) acres of land. Large construction activity does not include routine maintenance that is performed to maintain the original line and grade, hydraulic capacity, and original purpose of a ditch, channel, or other similar storm water conveyance. Large construction activity does not include the routine grading of existing dirt roads, asphalt overlays of existing roads, the routine clearing of existing right-of-ways, and similar maintenance activities.

National Pollutant Discharge Elimination System (NPDES - As authorized by the Clean Water Act, the National Pollutant Discharge Elimination System (NPDES)

permit program controls water pollution by regulating point sources that discharge pollutants into waters of the United States.

Notice of Change (NOC) - Written notification from the permittee to the executive director providing changes to information that was previously provided to the agency in a notice of intent.

Notice of Intent (NOI) - A written submission to the executive director from an applicant requesting coverage under this general permit.

Outfall - For the purpose of this permit, a point source at the point where a municipal separate storm sewer discharges to waters of the United States (U.S.) and does not include open conveyances connecting two municipal separate storm sewers, or pipes, tunnels, or other conveyances that connect segments of the same stream or other waters of the U.S. and are used to convey waters of the U.S.

Point Source - any obvious, confined, and discrete passage, including but not limited to, any pipe, ditch, channel, tunnel, conduit, well, discrete fissure, container, rolling stock, concentrated animal feeding operation, landfill leachate collection system, vessel or other floating craft from which pollutants are or may be discharged. This term does not include return flows from irrigated agriculture or agricultural storm water runoff.

Pollutant(s) of Concern - Include biochemical oxygen demand (BOD), sediment or a parameter that addresses sediment (such as total suspended solids, turbidity or siltation),

pathogens, oil and grease, and any pollutant that has been identified as a cause of impairment of any water body that will receive a discharge.

Small Construction Activity - Construction activities including clearing, grading, and excavating that result in land disturbance of equal to or greater than one (1) acre and less than five (5) acres of land. Small construction activity does not include routine maintenance that is performed to maintain the original line and grade, hydraulic capacity, and original purpose of a ditch, channel, or other similar storm water conveyance. Small construction activity does not include the routine grading of existing dirt roads, asphalt overlays of existing roads, the routine clearing of existing right-of-ways, and similar maintenance activities.

Storm Drain Marker - Drain messages are usually a simple phrase to remind passersby that the storm drains connect to local waterbodies and that dumping in drains pollutes these waters. Sometimes, the drains specify the body of water where drain water eventually flows

Storm Sewer System – refers to a conveyance or system of conveyances (including roads with drainage systems, municipal streets, catch basins, curbs, gutters, ditches, manmade channels, or storm drains):

Storm Water Associated with Construction Activity - Storm water runoff from an area where there is either a large construction activity or a small construction activity.

Storm Water and Storm Water Runoff - Rainfall runoff, snow melt runoff, and surface runoff and drainage.

Storm Water Management Program (SWMP) - A comprehensive program to manage the quality of discharges from the municipal separate storm sewer system.

Structural Control (or Practice) - A pollution prevention practice that requires the construction of a device, or the use of a device, to capture or prevent pollution in storm water runoff. Structural controls and practices may include but are not limited to: infiltration basins, storm water wetlands, silt fences, earthen dikes, drainage swales, vegetative lined ditches, vegetative filter strips, sediment traps, check dams, subsurface drains, storm drain inlet protection, rock outlet protection, reinforced soil retaining systems, gabions, and temporary or permanent sediment basins.

Surface Water in the Texas - Lakes, bays, ponds, impounding reservoirs, springs, rivers, streams, creeks, estuaries, wetlands, marshes, inlets, canals.

Texas Commission on Environmental Quality (TCEQ) - The Texas Commission on Environmental Quality is an agency that strives to protect our state's public health and natural resources consistent with sustainable economic development. Our goal is clean air, clean water, and the safe management of waste."

Urban Area (UA) – Describes an area of high population density.

Water Quality Division (WQD) -The Water Quality Division is responsible for protecting the quality of water in Texas. The Water Quality Division is a part of the TCEQ.

What is an illicit discharge?

The Texas Commission on Environmental Quality (TCEQ) defines an illicit discharge as any discharge to a municipal separate storm sewer that is not entirely composed of storm water, except discharges pursuant to this general permit or a separate authorization and discharges resulting from emergency firefighting activities.

Types of Illicit Discharges

DUMPING OIL CONTAINERS DOWN STORM DRAINS

WASHING OR BLOWING LEAVES THE DRAINS

THROWING GARBAGE INTO CREEKS OR STREAMS

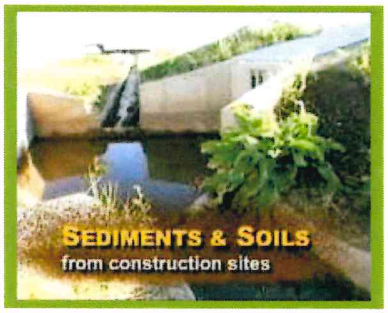
DRAINS ARE FOR RAIN NOT PAINT

DUMPING CHEMICALS DOWN STORM DRAINS

BAD DEVELOPERS

OVERFLOWING MANHOLES

BLOWING OR WASHING GRASS CLIPPINGS DOWN THE DRAINS

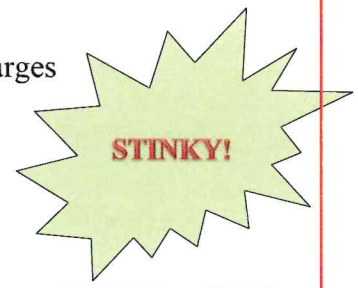


BADLY MANAGED CONSTRUCTION SITES

WATER MAIN BREAKS

DRAINING SWIMMING POOLS INTO THE STREET

Identifying Illicit Discharges



Does the discharge have a distinct odor?
Some smells coming from an outfall pipe are an immediate indicator of an illicit discharge for-example, a sewage, gasoline, or chemical smell should be reported.

Is the water cloudy or full of sediment?
Gray water that should be treated at a sewage treatment plant may cause a cloudy appearance in the discharged water. A construction site without proper stormwater best management practices could be discharging sediment to a storm drain. These conditions should be reported.

What is floating in the discharge?
Soap suds and oil sheens are examples of floatables that may be found in an illicit discharge. These conditions should be reported.

What color is the discharge?
An abnormally colored discharge is a good indication that there is an illicit connection to the stormwater conveyance system. However if an abnormal color is coupled with another one of the characteristics listed here (odor, floatables, cloudiness, vegetative growth), it should be reported.

Excessive vegetation around the outfall pipe?
Excessive vegetation around the outfall pipe as opposed to the surrounding area is an indication of increased nutrients in the stormwater discharge. This could be from fertilizers or sewage in the discharge and should be reported.

Identifying Illicit Discharges

Accident spills are significant sources of illicit discharges.

Spills can occur at many industrial, commercial, and transport related sites. A very common example is an oil or gas spill from an accident that then travels across the road and into the storm drain system.

Improper Adjustment of Sprinklers is sources of illicit discharges.

In some instances, non-target irrigation can produce unacceptable loads of nutrients, organic matter or pesticides. The most common example is a discharge from commercial landscaping areas adjacent to parking lots connected to the storm drain system.

Disposing of Cleaning Buckets /Mop Water is an Illicit Discharge.

Disposing cleaning water and or mop buckets into the drain can be harmful to the environment. These type of waters contain chemicals that can cause the water in lakes and streams to be contaminated.

Tracing Illicit Discharges

Manhole Observations

A technique is to follow lines in manholes upstream. This can be accomplished doing the following steps:

- Consult the sewer system map.
- Check the next "upstream" manholes and look at all inlets to see if there is evidence of discharge.
- Keep checking manholes until an inlet is found with no evidence of discharge; the discharge source is likely to be located between the inlets with no evidence of discharge and the next downstream manhole
- Pay attention to the surrounding area and look for water in gutters and streets.

Video Inspection

Mobile video cameras can be guided remotely through storm sewer lines to observe possible illegal connections into storm sewer systems and record observations on a DVD. Public works staff can observe the videos and observe any illegal connections. This technique is time-consuming and the most expensive.

Tracing Illicit Discharges

Smoke Testing

This involves dropping non-toxic smoke bombs that react to water the using forced air to push the smoke into storm drains or sewer lines. Operators then observe for signs of smoke from sanitary sewer vents on buildings and houses or from cracks and leaks in the storm sewer lines. Prior to performing this test, it is necessary to inform owners and occupants in the area in advance and the police and fire departments

Dye Testing

This technique involves using non-toxic dye into manholes, storm drains, toilets and sinks and having operators positioned at certain areas to observe the presence of water that is changing to the color of the dye.

SEWER USE REQUIREMENTS; DISCHARGES

Bookmark§ 53.20 PROHIBITED DISCHARGES.

(A) No person may discharge any waste which by itself or by interaction with other wastes may:

(1) Overload, injure or interfere with wastewater treatment processes or facilities;

(2) Constitute a hazard to humans or animals; or

(3) Create a hazard in receiving waters of the wastewater treatment plant effluent.

(B) All discharges shall conform to requirements of this chapter.

(Ord. 2011-01, passed 1-25-11) Penalty, see § 53.99

pproving authority specifying conditions of pretreatment, concentrations, volumes, and other applicable provisions.

Bookmark§ 53.23 PARTICULATE SIZE.

(A) No person may discharge garbage or other solids into public sewers unless it is shredded to a degree that all particles can be carried freely under the flow conditions normally prevailing in public sewers.

(B) The approving authority is entitled to review and approve the installation and operation of any garbage grinder equipped with a motor of 3/4 horse-power (0.76 hp metric) or greater. A garbage grinder shall be designed and installed to ensure that ground particles shall not exceed 1/2-inch in any dimension.

(Ord. 2011-01, passed 1-25-11) Penalty, see § 53.99

Bookmark§ 53.24 STORMWATER AND OTHER UNPOLLUTED DRAINAGE.

(A) No person may make any new connections from inflow sources, or discharge to public sanitary sewers:

(1) Unpolluted stormwater, surface water, groundwater, roof runoff, or subsurface drainage;

(2) Unpolluted cooling water;

(3) Unpolluted industrial process waters; or

(4) Other unpolluted drainage.

(B) In compliance with applicable law, the approving authority may designate storm sewers and other watercourses into which unpolluted drainage described in division (A) of this section may be discharged.

Conclusion

Whether you work in the Water Department or at the Transfer Station it is the responsibility of all employees to report an illicit discharge that can harm the to the environment and waterways. By following this Employee Handbook the employee can save the City of Harker Heights time and money and prevent illegal dumping of trash, debris, and liquids in the city.

Report any Suspicious Looking Discharges

(254) 953-5649 City Hall

(254) 702-4893 Waste Water On Call

the water bodies we use for swimming, fishing and providing drinking water.

Polluted stormwater often affects drinking water sources. This, in turn, can affect human health and increase drinking water treatment costs.

STORMWATER Hotline

Report pollution in the City's stormwater system.
Monday - Thursday 7:00am -6:00pm Normal Business Hours: (254) 953-5649
Afterhours, holidays and weekend: (254) 319-4996

STORMWATER POLLUTION

Easy Ways to Protect our Water:
1. Limit use of fertilizers and pesticides
2. Properly use and dispose of hazardous products
3. Clean up after your pet
4. Don't litter
5. Dispose of Yard Waste Properly

City Facility Operation and Maintenance

Report city operation failures in the storm water system call the Stormwater Hotline
Monday - Friday 8:00am -5:00pm Normal Business Hours: (254) 953-5649
Holidays, weekends and after 5:00pm weekdays: (254) 319-4996

STORMWATER MANAGEMENT

Stormwater management practices help control nonpoint source pollution through the use of nonstructural and/or structural techniques to intercept surface runoff from developed areas, filter and treat this runoff, and then discharge it at a controlled rate. Stormwater quality is governed by the accumulation of pollutants on the entire surface area. As the use of chemicals around the homes increased, the more degraded the stormwater runoff from your property will be.

1. Limit the amount of impervious surfaces in your landscape.

2. Allow "thick" vegetation or "buffer strips" to grow alongside waterways to filter and slow runoff and soak up pollutants.

3. Plant trees, shrubs, and groundcover.

FOR MORE INFORMATION VISIT:

U.S. Environmental Protection Agency Web sites:
www.epa.gov/npdes/stormwater or www.epa.gov/nps

Or view our brochures:
Stormwater Brochure 1
Stormwater Brochure 2

Harker Heights Log / Environmental Health OSSF List

T9070	8/12/11	Rick Beckman	136 Woodland Ridge	H Heights
T9071	8/16/11	Shannon Shipman	6083 Miller Lane	H Heights
T9072	8/16/11	John Bowen	725 Hi Ridge	H Heights
T9073	8/16/11	Charles Reiter	18360 Owl Creek Rd.	H Heights
T9074	8/17/11	Mueller, Inc	6910 N General Bruce	H Heights
T9075	8/22/11	Todd Roach	9460 Hodge Canyon Rd.	H Heights
T9076	8/23/11	Kiella Homes	1733 S. Pearidge Rd.	H Heights
T9077	8/23/11	21st Mortgage	3225 Cathy Lane	H Heights
T9078	8/30/11	David Pedigo	117 Vista Drive not presa	H Heights
T9079	8/30/11	Chad Medford	3715 Stillhouse Lake Rd.	H Heights
T9080	was T6485	Allen Teston	11015 Rummel Rd.	H Heights
T9081	9/2/11	Patriot Kids Ministries	18310 FM 2484 was 18006	H Heights
T9082	9/6/11	Feliza Rodriguez	4208 Sherwood Drive	H Heights
T9083	9/6/11	Bill Kirkland	8394 Acres Rd.	H Heights
T9084	9/6/11	Ray Naizer	8734 Armstrong Rd.	H Heights
T9085	9/7/11	Harry Gray	19268 FM 2484	H Heights
T9086	9/13/11	James Catchings	13445 FM 2904	H Heights
T9087	9/13/11	Jayson Smith	995 Morgan Drive	H Heights
T9088	9/14/11	Carother Homes	1300 Nolan Court	H Heights
T9089	9/14/11	Carother Homes	4880 Elm Grove Rd.	H Heights
T9090	9/14/11	Billy Champlin	10523 Collins Ranch Rd.	H Heights
T9091	9/14/11	Marvin Marek	12136 Highway 53	H Heights
T9092	9/14/11	Cameo Homes	1379 Niagara Heights	H Heights
T9093	9/14/11	Charles Decker	554 Wildridge	H Heights
T9094	9/14/11	Dustin Dewald	1004 Niagara Heights	H Heights
T9095	9/16/11	Benjamin Gutierrez	148 Frances Lane	H Heights
T9096	wasT8794	Birgit Bingham	3920 Hickory View	H Heights
T9097	9/23/11	Ernest Waggy	8034 FM 437	H Heights
T9098	9/23/11	Mrs. Howard Bancroft	3494 Elm Grove Rd	H Heights
T9099	9/27/11	Lucretia Bruce	1137 Western Trail	H Heights
T9100	9/27/11	Robert Haire	13208 Buoy Drive	H Heights
T9101	9/29/11	Michael Martinez	515 FM 437	H Heights
T9102	9/29/11	Cory Smalley	5578 Denman's Loop	H Heights
T9103	9/30/11	Emmons Const	2026 Running Creek	H Heights
T9104	10/3/11	All Star Homes	15733 Cedar Valley Rd.	H Heights
T9105	10/4/11	James Davis	2656 Oscar Lane	H Heights
T9106	10/4/11	Felix Winfield	469 Sunset Ridge	H Heights
T9107	10/5/11	DR Horton	3918 Scenic Trail	H Heights
T9108	10/5/11	DR Horton	3914 Stone Creek	H Heights
T9109	10/6/11	Ernest Dixon, Jr.	2910 Hellums Rd.	H Heights
T9110	10/6/11	Immanuel Prayer House	514 Big Valley Lane	H Heights
T9111	10/7/11	Manning Homes	2800 Lomas Rodando	H Heights
T9112	10/7/11	Toby Metcalf	10315 Bigham Rd	H Heights
T9113	10/11/11	Chad Ide	1152 County Line Rd.	H Heights
T9114	10/12/11	VOID	VOID	H Heights
T9115	10/12/11	Bill Barge	3908 N. Main	H Heights
T9116	10/12/11	Omega Homes	186 Vine Street	H Heights
T9117	10/12/11	Omega Homes	89 Richland Drive	H Heights
T9118	w/ B845	Christopher Jay	602 Northcliffe Drive	H Heights
T9119	10/17/11	Dustin Miller	6865 Cedar Cove Rd.	H Heights
T9120	10/18/11	Blake Homes	1808 Kevlin Trail	H Heights
T9121	10/18/11	Josh Watson	13196 Capstan	H Heights
T9122	10/20/11	Mike Fleck	4191 Birdwatchers	H Heights
T9123	10/21/11	Dave Robbins	12291 Roberts Lane	H Heights
T9124	10/21/11	EJ Pechal	9673 E. Highway 190	H Heights
T9125	10/25/11	Larry MCLaren	11333 1670 Lane	H Heights
T9126	10/26/11	VOID	VOID	H Heights
T9127	10/26/11	DR Horton	3618 Quail Ridge	H Heights
T9128	was T8312	Kurt Toliver	17 N. Whitetail	H Heights
T9129	10/26/11	Peter Delegram	1609 N. Wheat Rd.	H Heights
T9130	10/27/11	Country Pride Store	16148 Highway 195	H Heights
T9131	10/27/11	S & G Ventures	3653 W. Amity Rd.	H Heights
T9132	10/28/11	David Carpenter	42 S. Cliffwood	H Heights
T9133	w/T8136	Charles Hollinger	8527 E. Trimmier	H Heights
T9134	11/2/15	EDC Homes	692 Eagle Landing Drive	H Heights
T9135	10/28/11	MA Hoard Const	7576 Landfill Rd.	H Heights
T9136	10/31/11	Hatchell Family Trust	351 Van Bibber Rd.	H Heights
T9137	10/31/11	Bobby Carothers	102 Woodland Ridge	H Heights
T9138	11/1/11	Moffat WSC	5460 Lakeaire Blvd	H Heights
T9139	11/2/11	Albert Mersch	11831 Pond Creek Rd.	H Heights
T9140	11/2/11	Kenny Chipman	16677 Sypert School Rd.	H Heights
T9141	11/2/11	Lacy Seibert	15848 Kari Lane	H Heights
T9142	11/3/11	Carother Homes	3013 Rolling Meadow	H Heights
T9143	11/4/11	Jimmy Horn	173 Bear Branch Rd.	H Heights
T9144	11/9/11	Allen Meissner	3639 Harold Clark Rd	H Heights
T9145	11/10/11	Eugene Land	129 Ranger Blvd.	H Heights
T9146	11/10/11	Delton Stuckly	19510 FM 2115	H Heights
T9147	11/15/11	S & G Ventures	3675 W. Amity Rd.	H Heights
T9148	11/18/11	Owen Hall	12959 Willow Grove Rd.	H Heights
T9149	11/18/11	Jerry Kurtin	465 Callahan Loop	H Heights
T9150	11/21/11	Eagle Ridge	190 Callahan Loop	H Heights
T9151	11/21/11	Howard Henslee	266 Briggs Rd.	H Heights
T9152	11/21/11	Amador Gomez	3746 Westcliff Rd.	H Heights
T9153	11/23/11	William Ramsey	13065 FM 2904	H Heights
T9154	12/5/12	Randy Taylor / Elliott	1073 Dove Landing Ct.	H Heights
T9155	11/23/11	Mariah Custom	805 Eagle Landing	H Heights

T9156	11/29/11	S & D Ventures	3185 Hesterway	H Heights
T9157	11/29/11	Emilio Perales	137 Spring Meadow	H Heights
T9158	11/30/11	Village Builders	400 OW Lowrey	H Heights
T9159	12/1/11	Nicholas Everett	1911 Southbend	H Heights
T9160	12/6/11	Terrie Zizzo	611 Messer Ranch Rd.	H Heights
T9161	12/7/11	Mariah Custom	2202 Highview Drive	H Heights
T9162	12/8/11	Johnny Jirasek	4514 Little Flock Rd.	H Heights
T9163	12/8/11	Kiella Homes	980 Seven Ranch Rd. was 950	H Heights
T9164	12/9/11	Mary Jean Boston	8535 Armstrong Rd.	H Heights
T9165	12/12/11	Carroll & Estes	100 Clarance Rd.	H Heights
T9166	12/12/11	Alberto Jimenez	1315 C Decker Rd.	H Heights
T9167	12/13/11	Donald Lynn	111 Valley View Ct	H Heights
T9168	12/15/11	VOID	VOID	H Heights
T9169	12/16/11	Tim Rabroker	289 Owen Court	H Heights
T9170	12/20/11	Adam Martinez	2090 FM 437	H Heights
T9171	12/20/11	Ryan Brown	5226 Cedar Creek	H Heights
T9172	12/21/11	Jim Duffy	6021 Cliff Lane	H Heights
T9173	12/21/11	Curtis Thompson	531 Live Oak Cemetary Rd	H Heights
T9174	12/22/11	Mary Torrez	6154 Berger Rd	H Heights
T9175	12/27/11	Barbara Critchfield	422 N Franklin	H Heights
T9176	12/27/11	Mariah Custom	782 Eagle Landing	H Heights
T9177	12/27/11	E&L Properties Bush's	940 Roberts Rd	H Heights
T9178	12/27/11	Donald & Thera Rhodes	180 Nance Ln	H Heights
T9179	12/28/11	E & L Properties	3202 S. Central	H Heights
T9180	12/28/11	Kenneth McCoy	17141 FM 2115	H Heights
T9181	12/29/11	DR Horton	3901 Hickory View	H Heights
T9182	12/30/11	Cleo Williamson	1034 Mescalero Trail	H Heights
T9183	w/T7934	Dan & Sally Volney	2182 River Rock	H Heights
T9184	1/3/12	Paula Merrill	8 Port Lane	H Heights
T9185	1/4/12	Fidel Avila	5352 Bay Street	H Heights
T9186	1/6/12	DR Horton	3622 Quail Ridge	H Heights
T9187	1/6/12	DR Horton	3904 Stone Creek	H Heights
T9188	1/6/12	DR Horton	3907 Scenic Trail	H Heights
T9189	1/10/12	Billy Cooley	101 Hillside Drive	H Heights
T9190	1/10/12	Mike Brennan	1455 Overlook Ridge	H Heights
T9191	1/11/12	Premier Homes	1939 Running Creek	H Heights
T9192	1/11/12	Ken Jennings	3416 Shoreline Drive	H Heights
T9193	1/12/12	Eagle Ridge Builders	258 Arrowhead Point	H Heights
T9194	1/12/12	Stillwater Homes	11105 Ovelook Cove	H Heights
T9195	1/12/12	Larry Bushbaker	75 Oakmont	H Heights
T9196	1/13/12	Kenneth McCoy	17201 FM 2115	H Heights
T9197	1/13/12	Kenneth McCoy	17185 FM 2115	H Heights
T9198	1/13/12	Kenneth McCoy	17163 FM 2115	H Heights
T9199	1/17/12	Mariah Homes	713 Eagle Landing	H Heights
T9200	1/17/12	Alan Hoelscher	1126 Farmers Rd.	H Heights
T9201	1/18/12	Sparta Plaza Addition	1902 S Loop 121	H Heights
T9202	1/18/12	Jorge Frias	1240 Airdale Rd	H Heights
T9203	1/19/12	DR Horton	102 Cedar Bluff	H Heights
T9204	1/19/12	DR Horton	100 Cedar Bluff	H Heights
T9205	1/19/12	DR Horton	1906 River Rock	H Heights
T9206	1/19/12	DR Horton	3916 Hickory View	H Heights
T9207	1/19/11	DR Horton	3413 Cayuga	H Heights
T9208	1/24/12	Mark Sheeler	1024 Elmer King	H Heights
T9209	1/26/12	Timothy Rabroker	334 Owen Court	H Heights
T9210	1/27/12	Travis Garmon	330 Callahan Loop	H Heights
T9211	1/27/12	Jack Van Cleave	584 Meser Ranch Rd	H Heights
T9212	1/27/12	Andrew Dillon	1397 River Ridge Ranch	H Heights
T9213	2/3/12	Jack Chance	10466 Five Wells Rd.	H Heights
T9214	2/3/12	VOID	VOID	H Heights
T9215	2/3/12	Cameo Homes	761 Hickory	H Heights
T9216	2/6/12	Carother Homes	1302 Nolan Court	H Heights
T9217	2/6/12	Carother Homes	1303 Nolan Court	H Heights
T9218	2/6/12	Northstar Dev	476 Stoneham Court	H Heights
T9219	2/9/12	Chris Bean	3530 Yaupon	H Heights
T9220	2/9/12	Emmons Const	697 Crestwood Drive	H Heights
T9221	2/10/12	Loretta Thomas	1057 Mescalero Trail	H Heights
T9222	2/14/12	Omega Builders	175 Vine Street	H Heights
T9223	2/14/12	Tim Wood	12822 Siler Rd.	H Heights
T9224	2/14/12	Edmond Jones	375 Yates Rd.	H Heights
T9225	2/21/12	Dean Cockrell	15855 N. Old Troy Rd.	H Heights
T9226	2/24/12	Stephen Evans	9768 Bottoms Rd.	H Heights
T9227	2/24/12	Martha Zavodney	8689 FM 437	H Heights
T9228	2/24/12	Roy Sharp	6165 Water Supply Rd.	H Heights
T9229	2/24/12	Vale Construction	3437 Summit Circle	H Heights
T9230	2/24/12	DPD Homes	597 Messer Ranch Rd.	H Heights
T9231	2/24/12	David Foust	3042 Rolling Meadows	H Heights
T9232	2/27/12	Soldiers of the Cross	14788 FM 439	H Heights
T9233	2/27/12	James Burnell	15550 Stringtown Rd.	H Heights
T9234	VOID	Laura Chaput	3632 S. Pearidge	H Heights
T9235	2/28/12	Jackie Lanig	7080 Acres Rd	H Heights
T9236	3/1/12	Garry Varnet	109 Jordan Drive	H Heights
T9237	3/1/12	Jim Vaughn	3227 Hesterway	H Heights
T9238	3/2/12	Papalote Homes	GAVE TO MJ to mail	H Heights
T9239	3/2/12	Jack R. Morris	1425 Arnold Palmer	H Heights
T9240	3/2/12	Agnus Raabe	6506 Highway 53	H Heights
T9241	3/5/12	Rollins House	2803 Vista Trail	H Heights
T9242	3/6/12	Everett Tindell	5939 Campbell Hill Rd.	H Heights
T9243	3/7/12	Brad Bennett	1425 Elmer King Rd	H Heights
T9244	3/7/12	Eagle Ridge	811 Villa Como	H Heights

T9245	3/7/12	Shaquana Gordon	4504 Cunningham Rd	H Heights
T9246	3/7/12	Tommy C. Neas	1906 Running Creek	H Heights
T9247	3/7/12	Sondra Metro	35 Cedar Trails	H Heights
T9248				H Heights
T9249	3/9/12	Chad Wilson	11550 Brewster Creek Rd	H Heights
T9250	3/16/12	Cameo Homes	12700 Vaughn Rd.	H Heights
T9251	3/19/12	S & G Ventures	3695 W. Amity	H Heights
T9252	VOID	Jennifer Graham	High Oak Drive	H Heights
T9253	3/19/12	Kyle Wheatley	2068 Pirtle	H Heights
T9254	3/21/12	DR Horton	3417 Cayuga	H Heights
T9255	3/21/12	DR Horton	3904 Hickory View	H Heights
T9256	3/21/12	DR Horton	3911 Scenic Trail	H Heights
T9257	3/21/12	DR Horton	3914 Hickory View	H Heights
T9258	3/21/12	DR Horton	3911 Hickory View	H Heights
T9259	3/22/12	DR Horton	3903 Hickory View	H Heights
T9260	3/22/12	Stillwater Homes	921 Villa Como	H Heights
T9261	3/23/12	Cameo Homes	1026 Mescalero Trail	H Heights
T9262	8/20/12	Eddie Vale	3219 Eagle Ridge	H Heights
T9263	3/29/12	Compass Bank	960 N. Main	H Heights
T9264	3/28/12	David Pedigo	990 Salado School Rd.	H Heights
T9265	3/28/12	David Pedigo	974 Salado School Rd.	H Heights
T9266	3/28/12	Carother Homes	16020 Cedar Valley Rd.	H Heights
T9267	3/28/12	Bertoldo Ortiz	6967 McGregor Park Rd.	H Heights
T9268	3/28/12	Steven Hurdle	1431 Rustic Trail	H Heights
T9269	3/29/12	Raymon Martinez	3410 E. Adams	H Heights
T9270	4/2/12	Coufal Prater	2308 Barnhardt	H Heights
T9271	4/10/12	Homes for our Troops	14 Keywish Drive	H Heights
T9272	4/10/12	Leigh Morgan Homes	349 Messer Ranch Rd	H Heights
T9273	4/11/12	Cameo Homes	1210 Mescalero	H Heights
T9274	4/12/12	Dana Friedrichs	7722 Reeds Lake Rd.	H Heights
T9275	4/16/12	Otto Heuckeroth	3173 Lomas Rodonado	H Heights
T9276	4/17/12	Stephen Schiller	8201 Knob Creek Rd.	H Heights
T9277	4/18/12	VOID	VOID	H Heights
T9278	4/19/12	Michael Beecham	3315 Bob White Rd.	H Heights
T9279	4/19/12	Dan McNew	3266 Hesterway	H Heights
T9280	4/20/12	Vale Builders	3402 Cayuga	H Heights
T9281	4/23/12	Jundt / filed in the ridge	3334 Eagle Ridge	H Heights
T9282	4/24/12	Chris Carpenter	10421 FM 1670	H Heights
T9283	4/24/12	Billy Helm	6535 Elm Grove Rd.	H Heights
T9284	4/26/12	David Pedigo	145 Presa Drive	H Heights
T9285	4/26/12	William Rausch	1164 Cartwright Loop	H Heights
T9286	4/27/12	Jonathan Yoder	441 Lindo Vista	H Heights
T9287	4/30/12	Kyle Spinn	17820 Harber Rd.	H Heights
T9288	4/30/12	City of Temple	5502 Charter Oaks	H Heights
T9289	4/30/12	Kenneth Harris	10853 FM 439	H Heights
T9290	5/1/12	Kevin Murphy	363 Clarence Rd.	H Heights
T9291	5/1/12	Gary Brinegar	3100 Bud Lane	H Heights
T9292	5/1/12	Gary Brinegar	3210 Bud Lane	H Heights
T9293	5/2/12	Jerry Baird	2304 Sparta Rd.	H Heights
K3826	1/19/10	Carol J. Clayton	1804 Mesa Oaks Circle	H Heights
K3829	2/25/10	Dwight Anders	4309 Lakecliffe Dr.	H Heights
K3835	4/8/10	J Clark Homes	3404 Cayuga	H Heights
K3839	6/2/10	VOIDED	3905 Walden Creek Crossg	H Heights
K3846	10/5/10	Dustin Dewald	1196 Niagara Heights	H Heights
K3847	10/5/10	Dustin Dewald	1180 Niagara Heights	H Heights
K3848	10/19/10	Richard Assed	3336 Eagle Ridge	H Heights
K3849	10/19/10	Dustin Dewald	1162 Niagara Heights	H Heights
K3850	10/19/10	Sharrie Allah	120 Mogollon Ct.	H Heights
K3852	11/4/10	James Schambers	3911 Del Rey Drive	H Heights
K3873	5/5/11	Larry Mulcahy	4307 Broken Arrow	H Heights
K3882	7/19/11	Dustin Dewald	1161 Niagara Heights	H Heights
K3884	7/26/11	Dustin Dewald	1003 Niagara Heights	H Heights
K3887	8/9/11	Dustin Dewald	1160 Mescalero	H Heights
K3916	6/19/12	Dustin Dewald	1038 Niagara Heights	H Heights
K3917	7/10/12	J Clark Homes	3909 Walden Creek	H Heights
K3918	7/24/12	Tim Rabroker	143 Owen Court	Killeen
K3919	7/24/12	Tim Rabroker	310 Owen Court	Killeen
K3920	8/28/12	JWC, Inc	1014 Lonestar Drive	Kempner
K3921	8/28/12	Keith Carothers	125 Prairie Circle	Kempner
K3922	9/4/2012	Marcus Shelton	316 Woodland Trails	Belton
K3923	9/11/12	Dixie Meyers	3720 Quail Hollow	H Heights
K3924	9/11/12	Brian Bannister	662-664 Soukup	Killeen
K3925	10/2/12	Jack Lackmeyer	2018 River Rock Trail	H Heights
K3926	10/2/12	Earl Horn	7709 Chaparral Rd.	Killeen
K3927	10/16/12/	DPD Homes	1021 Niagara Heights	H Heights
K3928	10/16/12	DPD Homes	1090 Niagara Heights	H Heights
K3929	10/23/12	Ruben Olalde	379 Stoneham Rd	Killeen
K3930	10/30/12	Carother Homes	1283 Homestead	Kempner
K3931	10/30/12	Carother Homes	108 Coyote Circle	Kempner
K3932	11/7/12	David Blackburn	1525 Rustic Trail	Salado
K3933	11/28/12	Stillwater Homes	1305 Overlook Ridge Dr	Belton
K3934	11/28/12	JWC, Inc.	3944 Bella Vista Lop	H Heights
			2013	
K3944	5/15/13	Curtis Gordon	3102 Oakridge Blvd	H Heights
K3946	6/20/13	John Leffers	2837 Comanche Gap	H Heights
K3948	6/26/13	Woodridge Homes	3518 Shoreline Dr	H Heights
K4013	3/18/14	James Kinnard	1928 Fall Creek Drive	H Heights

K4022	7/31/14	J Clark Homes	3910 Walden Creek Crossing	H Heights
K4023	4/9/15	J Clark Homes	3905 Walden Creek Crossing	H Heights
K4024	8/13/14	Keith Carother	148 Remuda	Kempner
K4041	5/21/15	MA Hoard Const	1416 Gomer Lane	H Heights

Monthly Project Report

B-2-3-2(City Issued)

Designation	Permit Type	Permit Number	Permit Creation Date	Issued Date	Owner Name	Mailing	Location	Status	Exemption	Contract Value	Permit Fee	Permit Description	Use Classification
Commercial	Erosion and Sediment Control Permit	24-22275	11/27/2024	08/15/2025	Wheelhouse Development, LLC - Garrett Haley	6502 Slide Road Ste. 200 Lubbock TX 79424	615 E. FM 2410 Harker Heights TX 76548	Permit Issued	0.000000	$1,200,000.00	$35.00	ESC Permit: The project includes the development of 1 Automated Car Wash Tunnel with self-service vacuum stations and civil infrastructure to support the development. Civil infrastructure includes driveways, parking, water services, wastewater services, and storm drain improvements. Southeast of Wampum Drive and Knights Way	Business
		24-29506	04/04/2024	07/11/2025	Delano & Delano LTD		640 E FM 2410 Harker Heights TX 76548	Closed	0.000000	$0.00	$0.00	Erosion & Sediment	Business
		25-22584	01/10/2025	08/07/2025	CINDY MUGHELLI		921 E KNIGHTS WAY Harker Heights TX 76548	Permit Issued	0.000000	$1,200,000.00	$35.00	H-Tea-O is a flavored tea bar consisting of new ground up construction with a walk-in cooler. The scope includes retail area, drive-thru area, tea self-service area, tea brewers, R.O water system, walk-in cooler, prep area, and storage. There will be space for dry retail of yeti and prepackaged food. No sitting is provided inside or outside and no wait service provided. 921 E Knights Way Harker Heights, TX 76548	Business

Date: Issued Date
For date range: 1/1/2025 through 9/23/2025
Type(s): - Not Set - Commercial,Metal Fence,monument,Residential

Monthly Project Report

Commercial	Erosion and Sediment Control Permit	25-22846	02/14/2025	02/14/2025	LUVS Storage LLC. - Luke Mayo	2300 E Stan Schlueter Lp. Killeen TX 76542	901 Mountain Lion Cir. Harker Heights TX 76548	Permit Issued	0.000000	$0.00	$35.00	This project will consist of the land development and construction of an automotive repair facility. This specific permit relates to the required SWP3 Plan as required by local codes and the Texas Commission on Environmental Quality. 901 Mountain Lion Cir. Harker Heights TX 76548	Business
		25-22984	02/28/2025	05/12/2025	RAB Management LLC - Robert Bass	1200 E FM 2410 Harker Heights TX 76548	1216 E. FM 2410 Harker Heights TX 76548	Permit Issued	0.000000	$900,000.00	$35.00	New construction of two new commercial buildings on FM 2410 in Harker Heights. Located on FM 2410, across from Harker Heights High School.	Business
		25-23433	04/16/2025	04/17/2025	Sandor Construction, LLC. - Lacie Followwell	P.O. Box 759 Salado TX 76571	500 W FM 2410 Harker Heights TX 76548	Permit Issued	0.000000	$140,000.00	$35.00	Stockyard pavement 500 W FM 2410, Harker Heights - Next to Heights Lumber	Business
		25-24556	08/20/2025	09/03/2025	N/A		220 Millers Crossing Harker Heights TX 76548	Permit Issued	0.000000	$750,000.00	$35.00	Proposed retail commercial building 220 Miller's Crossing	Business
		7							0.000000	$4,190,000.00	$210.00		
	Total	7							0.000000	$4,190,000.00	$210.00		
Total	Total	7							0.000000	$4,190,000.00	$210.00		

Date: Issued Date
For date range: 1/1/2025 through 9/23/2025
Type(s): - Not Set - Commercial,Metal Fence,monument,Residential

Monthly Project Report

B-2-3-2-2 (Filed with City)

Designation	Permit Type	Permit Number	Permit Creation Date	Issued Date	Owner Name	Mailing	Location	Status	Exemption	Contract Value	Permit Fee	Permit Description	Use Classification
Commercial	Erosion and Sediment Control Permit	25-22584	01/10/2025	08/07/2025	CINDY MUGHELLI		921 E KNIGHTS WAY Harker Heights TX 76548	Permit Issued	0.000000	$1,200,000.00	$35.00	H-Tea-O is a flavored tea bar consisting of new ground up construction with a walk-in cooler. The scope includes retail area, drive-thru area, tea self-service area, tea brewers, R.O water system, walk-in cooler, prep area, and storage. There will be space for dry retail of yeti and prepackaged food. No sitting is provided inside or outside and no wait service provided. 921 E Knights Way Harker Heights, TX 76548	Business
		25-22846	02/14/2025	02/14/2025	LUVS Storage LLC. - Luke Mayo	2300 E Stan Schlueter Lp. Killeen TX 76542	901 Mountain Lion Clr. Harker Heights TX 76548	Permit Issued	0.000000	$0.00	$35.00	This project will consist of the land development and construction of an automotive repair facility. This specific permit relates to the required SWP3 Plan as required by local codes and the Texas Commission on Environmental Quality. 901 Mountain Lion Cir. Harker Heights TX 76548	Business
		25-22984	02/28/2025	05/12/2025	RAB Management LLC - Robert Bass	1200 E FM 2410 Harker Heights TX 76548	1216 E. FM 2410 Harker Heights TX 76548	Permit Issued	0.000000	$900,000.00	$35.00	New construction of two new commercial buildings on FM 2410 in Harker Heights. Located on FM 2410, across from Harker Heights High School.	Business
		25-22988	03/03/2025	Not Issued	D & N Real Estate Investments, LLC - Danny Chang	3413 Shorline Dr Harker Heights TX 76548-8120	109 E. Central Texas Expressway Harker Heights TX 76548	Pending (Under Review)	0.000000	$700,000.00	$35.00	New Construction of one 4800 sf building. 2000 sf will be a donut shop and the remainder being lease space. 109 E Central Texas Expressway, Harker Heights, TX 76548	Business

Date: Application Date
For date range: 1/1/2025 through 9/23/2025
Type(s): - Not Set - Commercial,Metal Fence,monument,Residential

Monthly Project Report

Commercial	Erosion and Sediment Control Permit	25-23433	04/16/2025	04/17/2025	Sandor Construction, LLC. - Lacie Followwell	P.O. Box 759 Salado TX 76571	500 W FM 2410 Harker Heights TX 76548	Permit Issued	0.000000	$140,000.00	$35.00	Stockyard pavement 500 W FM 2410, Harker Heights - Next to Heights Lumber	Business
		25-23526	04/25/2025	Not Issued	THREE STARS PARTNERS LLC	1021 IVALENES HOPE DR AUSTIN TX 78717	1212 E VETERANS MEMORIAL BLVD HARKER HEIGHTS TX 76548	Pending (Under Review)	0.000000	$1,250,000.00	$0.00	NEW ONE STORY TYPE IIB BLDG WITH ASSOCIATED PARKING AND DRIVE AISLES E VETERANS MEMORIAL BLVD (ADJACENT TO 1212 E VETERANS MEMORIAL BLVD)	Business
		25-24556	08/20/2025	09/03/2025	N/A		220 Millers Crossing Harker Heights TX 76548	Permit Issued	0.000000	$750,000.00	$35.00	Proposed retail commercial building 220 Miller's Crossing	Business
		7							0.000000	$4,940,000.00	$210.00		
	Total	7							0.000000	$4,940,000.00	$210.00		
Total	Total	7							0.000000	$4,940,000.00	$210.00		

Date: Application Date
For date range: 1/1/2025 through 9/23/2025
Type(s): - Not Set - Commercial,Metal Fence,monument,Residential

Water Quality General Permits Search

*** There were no permits found that match the search criteria provided. ***

For help, see Related Links, Additional Resources, and Contact Information.

The following search criteria was entered:

- Permit Type: Construction Notice of Intent (TXR15)
- Application Status:
  APPROVED,PENDING,DENIED,WITHDRAWN,APPROVED,PENDING,DENIED,WITHDRAWN,APPROVED,PENDING,DENIED,WITHDRAWI
- Time Frame: 01/01/2025 to 09/23/2025
- City: HARKER HEIGHTS

Water Quality General Permits Search

Your search returned 238 records. For search criteria used, look below this list of results.

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Auth #	Permittee	SIC Code	Segment #	County	Region	City	Site Location
TXR150012070	MANNING HOMES INC	1521	1218	BELL	9	HARKER HEIGHTS	2515 ALPINE FIR HARKER HEIGHTS TX 76522
TXR150012317	HDE PARTNERS LLC	1521	1215	BELL	9	HARKER HEIGHTS	1601 PONTOTOC TRCE HARKER HEIGHTS TX 76548 6703
TXR150016190	MCLEAN PLUMBING HEATING AND AIR CONDITIONING COMPANY INC	1611	1218	BELL	9	HARKER HEIGHTS	AMY LANE FROM VETERAN MEMORIAL BLVD TO INDIAN OAKS DRIVE
TXR150021679	MCLEAN PLUMBING HEATING AND AIR CONDITIONING COMPANY INC	1521	1216	BELL	9	HARKER HEIGHTS	LOCATED @ END OF GOLD SPLASH TRAIL HARKER HEIGHTS
TXR150021679	MCLEAN PLUMBING HEATING AND AIR CONDITIONING COMPANY INC	1623	1216	BELL	9	HARKER HEIGHTS	LOCATED @ END OF GOLD SPLASH TRAIL HARKER HEIGHTS
TXR150022184	SGSB LAND HOLDINGS LLC	1521	1218	BELL	9	HARKER HEIGHTS	SOUTHEAST QUADRANT OF OLD NOLANVILLE ROAD AND NOLA RUTH BOULEVARD INTERSECTION
TXR150022684	GARY W PURSER CONSTRUCTION LTD	1611	1216	BELL	9	HARKER HEIGHTS	BOUNDED BY CEDAR KNOB ROAD AND STILLHOUSE LAKE ROAD. NEAR FIRE STATION NO. 2 LOCATED IN HARKER HEIGHTS, BELL COUNTY, TEXAS
TXR150022884	GARY W PURSER CONSTRUCTION LTD	1623	1216	BELL	9	HARKER HEIGHTS	BOUNDED BY CEDAR KNOB ROAD AND STILLHOUSE LAKE ROAD. NEAR FIRE STATION NO. 2 LOCATED IN HARKER HEIGHTS, BELL COUNTY, TEXAS
TXR150025443	PINROC CONSTRUCTION LLC	1542	1216	BELL	9	HARKER HEIGHTS	2926 CEDAR KNOB RD HARKER HEIGHTS TX 76548 8870
TXR150025443	PINROC CONSTRUCTION LLC	6552	1216	BELL	9	HARKER HEIGHTS	2926 CEDAR KNOB RD HARKER HEIGHTS TX 76548 8870
TXR150025957	DT SYMPHONY HOMES LP	1521	1216	BELL	9	HARKER HEIGHTS	HWY 190, GO WEST ON TO W CENTRAL EXPY, GO KNIGHTS WAY TO STILLHOUSE HOLLOW ROAD TO GOMER LANE
TXR150027261	Cameo Homes, Inc.	1521	1216	BELL	9	HARKER HEIGHTS	HWY 190 EXIT 2410, GO LEFT ONTO 2410, RIGHT ON COMMANCHE GAP. LEFT INTO THE RIDGE, HARKER HEIGHTS, TX, 76548
TXR150028167	Fromberg Construction, L.L.C.	1542	1216	BELL	9	HARKER HEIGHTS	SW INTERSECTION OF FM 2410 AND FM 3481
TXR150030297	Texas Department of Transportation	9621	1213	BELL	9	HARKER HEIGHTS	FM 2410 FROM ROY REYNOLDS DRIVE TO COMMERCIAL DRIVE
TXR150030413	TTG Utilities, LP	1611	1216	BELL	9	HARKER HEIGHTS	FM 2410 FROM ROY REYNOLDS DRIVE TO COMMERCIAL DRIVE
TXR150353	LAGO DEVELOPERS	1521	1217	BELL	9	HARKER HEIGHTS	ON I35 W HWY 190 S FM 2410 ON DRAWBRIDGE DRIVE
TXR150647	HATTAWAY, CONSTRUCTION			BELL	9	HARKER HEIGHTS	ON AZTEC AND NATCHAZ
TXR150729	KILLEEN ISD	1542		BELL	9	HARKER HEIGHTS	300 INDIAN TRL HARKER HEIGHTS TX 76548 7206
TXR15116K	Texas Department of Transportation	9621	1213	BELL	9	HARKER HEIGHTS	FM 2410 FROM ROY REYNOLDS DRIVE TO COMMERCIAL DRIVE
TXR151179	KILLEEN ISD	1542		BELL	9	HARKER HEIGHTS	500 MOUNTAIN LION RD HARKER HEIGHTS TX 76548 6838
TXR15127D	Hill & Wilkinson Construction Group, Ltd.	1542	1218	BELL	9	HARKER HEIGHTS	401 INDIAN TRL HARKER HEIGHTS TX 76548 7209
TXR1514JJ	Cactus Jack Development, Inc.	1611	1218	BELL	9	HARKER HEIGHTS	WARRIORS PATH ROAD
TXR152001	JAY MANNING HOMES INC	1521		BELL	9	HARKER HEIGHTS	BETWEEN AZTEC & PUEBLO ON INCA DR
TXR1520DD	Texas Department of Transportation	9621	1242	BELL	9	HARKER HEIGHTS	FROM EAST CENTRAL TEXAS EXPY WEST TO EAST CENTRAL TEXAS EXPY EAST
TXR1520IY	Yellow Lilly, Inc.	1522	1218	BELL	9	HARKER HEIGHTS	NORTH MARY JO DRIVER & JAN CIRCLE
TXR15222R	Cloud Construction Co., Inc.	1542	1218	BELL	9	HARKER HEIGHTS	NORTHWEST OF THE INTERSECTION OF WARRIORS PATH ROAD AND PONTOTOC TRACE

TXR15222R	Cloud Construction Co., Inc.	6552	1218	BELL	9	HARKER HEIGHTS	NORTHWEST OF THE INTERSECTION OF WARRIORS PATH ROAD AND PONTOTOC TRACE
TXR15226V	Bruce Flanigan Construction, Inc.	2371	1218	BELL	9	HARKER HEIGHTS	STARTING AT HOPI TRAIL AND PUEBLO TRACE RUNS EAST ACROSS WARRIORS PATH APPROXIMATELY 1 MILE
TXR15285Y	CAROTHERS HOMES INC	1521		BELL	9	HARKER HEIGHTS	524 MUSTANG TRL HARKER HEIGHTS TX 76548 2339
TXR153072	CENTEX REAL ESTATE CORPORATION	1521		BELL	9	HARKER HEIGHTS	2110 THUNDERBIRD DR HARKER HEIGHTS TX 76548 2089
TXR153299	GARY W PURSER CONSTRUCTION LTD	6552		BELL	9	HARKER HEIGHTS	FROM US 190 W EXIT TO FM 2410 TURN LEFT ON MOUNTAIN LION RD
TXR1539DG	J.D. Abrams, L.P.	1611	1242	BELL	9	HARKER HEIGHTS	FROM EAST CENTRAL TEXAS EXPY WEST TO EAST CENTRAL TEXAS EXPY EAST
TXR1542SP	Continental Homes Of Texas, L.P.	1521	1216	BELL	9	HARKER HEIGHTS	SOUTH OF THE INTERSECTION OF KNIGHTS WAY AND STILLHOUSE LAKE ROAD
TXR1544QC	Bp3 Utilities, LLC.	1623	1218	BELL	9	HARKER HEIGHTS	N MARY JO DRIVE - VETERANS MEMORIAL BLVD TO SOUTH NOLAN CREEK
TXR154529	JAY MANNING HOMES INC	1521		BELL	9	HARKER HEIGHTS	ON THE INTERSECTION OF FM 2410 AND WILDEWOOD DRIVE THEN LEFT ON ADDAX FROM WILDEWOOD DRIVE
TXR154533	JAY MANNING HOMES INC	1521		BELL	9	HARKER HEIGHTS	ON PAINTBRUSH TAKE A RIGHT ONTO MTN LAUREL THEN FOLLOW MTN LAUREL TO LANTANA
TXR1546MV	Texas Department of Transportation	9621	1242	BELL	9	HARKER HEIGHTS	FM 2410 FROM FM 3481 TO IH 14
TXR154775	HILL COUNTRY HOMES INC	1521		BELL	9	HARKER HEIGHTS	2015 YAK TRL HARKER HEIGHTS TX 76548 5662
TXR15480N	Continental Homes Of Texas, L.P.	1521	1216	BELL	9	HARKER HEIGHTS	NORTHWEST OF THE INTERSECTION OF FM 3481 AND CHAPARRAL ROAD
TXR155320	JWC INC	6552		BELL	9	HARKER HEIGHTS	ON INTERSECTION OF FULLER LANE & HILLTOP RD
TXR1556MU	Continental Homes Of Texas, L.P.	1521	1218	BELL	9	HARKER HEIGHTS	NORTH OF THE INTERSECTION OF WARRIORS PATH ROAD AND PIMA TRAIL
TXR1557NE	Royalty Properties, LLC	1521	1218	BELL	9	HARKER HEIGHTS	WARRIORS PATH ROAD
TXR1558BD	Gary W. Purser Construction, Ltd.	1611	1218	BELL	9	HARKER HEIGHTS	I-14 WEST TO HARKER HEIGHTS, GO SOUTH ONTO FM 2410 TO WARRIOR PATH, GO APPROXIMATELY 1,830 FT TO STARTING POINT OF PROJECT.
TXR1558NE	King Signature Homes, Ltd.	1521	1218	BELL	9	HARKER HEIGHTS	WARRIORS PATH ROAD
TXR15591H	Heights Evergreen Developers, Ltd.	1799	1216	BELL	9	HARKER HEIGHTS	2528 CATALPA CT HARKER HEIGHTS TX 76548 1997
TXR15594K	TTG Utilities, LP	1611	1216	BELL	9	HARKER HEIGHTS	FM 2410 FROM ROY REYNOLDS DRIVE TO COMMERCIAL DRIVE
TXR1563DE	GOMER, JEROME	1521	1216	BELL	9	HARKER HEIGHTS	PONTOTOC TRACE AND PUEBLO TRACE
TXR1563DE	GOMER, JEROME	1521	1218	BELL	9	HARKER HEIGHTS	PONTOTOC TRACE AND PUEBLO TRACE
TXR1563DE	GOMER, JEROME	1542	1216	BELL	9	HARKER HEIGHTS	PONTOTOC TRACE AND PUEBLO TRACE
TXR1563DE	GOMER, JEROME	1542	1218	BELL	9	HARKER HEIGHTS	PONTOTOC TRACE AND PUEBLO TRACE

The following search criteria was entered:

- Permit Type: Construction Notice of Intent (TXR15)
- Application Status: APPROVED
- City: HARKER HEIGHTS

The number of distinct permits found is 218.

Water Quality General Permits Search

Your search returned 238 records. For search criteria used, look below this list of results.

Page < 1 2 3 4 5 > 51-100 of 238 Records

Auth #	Permittee	SIC Code	Segment #	County	Region	City	Site Location
TXR1563ML	Wbw Construction, LLC	1611	1215	BELL	9	HARKER HEIGHTS	NORTHEAST CORNER OF THE INTERSECTION BETWEEN CEDAR KNOB RD AND FM 3481, NORTH OF CITY OF HARKER HEIGHTS FIRE STATION 2
TXR1564JY	C. A. DOOSE & COMPANY	1521	1218	BELL	9	HARKER HEIGHTS	ABOOHA TOKLO, PHASE THREE TEJAS TRAIL
TXR1564JY	C. A. DOOSE & COMPANY	1522	1218	BELL	9	HARKER HEIGHTS	ABOOHA TOKLO, PHASE THREE TEJAS TRAIL
TXR1566DC	Harley Blackburn Holdings, LLC	1542	1218	BELL	9	HARKER HEIGHTS	101 N ROY REYNOLDS DR HARKER HEIGHTS TX 76548 1013
TXR1567KY	Jdr Excavation, LLC	1611	1218	BELL	9	HARKER HEIGHTS	FM 2410 & QUANAH VALLEY ROAD
TXR1568AX	Cem Precision Construction, Ltd.	1521	1216	BELL	9	HARKER HEIGHTS	3910 DEL REY HARKER HEIGHTS TX 76548 8684
TXR1568NX	Braun and Butler Construction, Inc.	1542	1216	BELL	9	HARKER HEIGHTS	401 CHEETAH TRL HARKER HEIGHTS TX 76548 5699
TXR1571QR	Reliable Paving, Inc.	1542	1216	BELL	9	HARKER HEIGHTS	980 JAMA DRIVE HARKER HEIGHTS TX 76548
TXR15738Z	Texas Department of Transportation	9621	1242	BELL	9	HARKER HEIGHTS	US 190 FROM FM 3423 INDIAN TRAIL TO .25 MI WEST OF PADDY HAMILTON
TXR1574BY	Str Constructors LLC	1542	1218	BELL	9	HARKER HEIGHTS	300 INDIAN TRL HARKER HEIGHTS TX 76548 7206
TXR1575QF	City of Harker Heights	1542	1218	BELL	9	HARKER HEIGHTS	401 INDIAN TRL HARKER HEIGHTS TX 76548 7209
TXR157921	W&B DEVELOPMENT LTD	1521		BELL	9	HARKER HEIGHTS	ON .25 MI SE OF INTER COMANCHE GAP & APACHE DR
TXR15797N	Wbw Construction, LLC	1611	1216	BELL	9	HARKER HEIGHTS	NORTHEAST CORNER OF THE INTERSECTION BETWEEN CEDAR KNOB RD AND FM 3481, NORTH OF CITY OF HARKER HEIGHTS FIRE STATION 2
TXR1581EB	MCLEAN PLUMBING, HEATING AND AIR CONDITIONING COMPANY, INC.	1521	1216	BELL	9	HARKER HEIGHTS	LOCATED AT THE END OF GOLD SPLASH TRAIL
TXR1581EB	MCLEAN PLUMBING, HEATING AND AIR CONDITIONING COMPANY, INC.	1623	1216	BELL	9	HARKER HEIGHTS	LOCATED AT THE END OF GOLD SPLASH TRAIL
TXR1581NE	Texas Materials Group, Inc.	1611	1216	BELL	9	HARKER HEIGHTS	FM 2410 FROM FM 3481 TO IH 14
TXR1581NE	Texas Materials Group, Inc.	1611	1218	BELL	9	HARKER HEIGHTS	FM 2410 FROM FM 3481 TO IH 14
TXR1581OC	Continental Homes Of Texas, L.P.	1521	1218	BELL	9	HARKER HEIGHTS	FM 2410 & CEDRO AVE
TXR1582BY	Str Constructors LLC	1542	1216	BELL	9	HARKER HEIGHTS	1001 E FM 2410 RD HARKER HEIGHTS TX 76548 6845
TXR15832Z	J.D. Abrams, L.P.	1611	1242	BELL	9	HARKER HEIGHTS	US 190 FROM FM 3423 INDIAN TRAIL TO .25 MI WEST OF PADDY HAMILTON
TXR15832Z	J.D. Abrams, L.P.	1622	1242	BELL	9	HARKER HEIGHTS	US 190 FROM FM 3423 INDIAN TRAIL TO .25 MI WEST OF PADDY HAMILTON
TXR158725	SUMMER WOOD HOMES INC	1521		BELL	9	HARKER HEIGHTS	2023 KANGAROO TRL HARKER HEIGHTS TX 76548 5626
TXR1587AQ	Texas Department of Transportation	9621	1216	BELL	9	HARKER HEIGHTS	FM 2410 TO DEL REY DRIVE
TXR1588SI	Texas Department of Transportation	9621	0100	BELL	9	HARKER HEIGHTS	IH 14 FROM 2410 TO INDIAN TRAIL
TXR15897J	Jubilee Homes Ii, Ltd.	1521	1218	BELL	9	NOLANVILLE	BLOCKS 5-7 NOLANVILLE, TX 76559
TXR158984	EMMONS INVESTMENT PARTNERSHIP LTD	6552		BELL	9	HARKER HEIGHTS	ON SE OF US 190 & E FM 2410 RD
TXR15902J	Jubilee Homes Ii, Ltd.	1521	1218	BELL	9	KILLEEN	7608 7700 7702 BLUE NILE DRIVE KILLEEN TX 76542
TXR15903J	Jubilee Homes Ii, Ltd.	1521	1218	BELL	9	TEMPLE	BLOCK 8 LOTS 7-13, AND BLOCK 7 LOTS 16-29, CANYON RIDGE PHASE 3
TXR15931I	Big Creek Construction, Ltd.	9621	0100	BELL	9	HARKER HEIGHTS	IH 14 FROM 2410 TO INDIAN TRAIL

TXR1594AO	Texas Materials Group, Inc.	1611	1215	BELL	9	HARKER HEIGHTS	FM 3481 WIDENING FROM FM 2410 ABOUT 2.5 MILES TO THE NORTH
TXR1594AO	Texas Materials Group, Inc.	1611	1216	BELL	9	HARKER HEIGHTS	FM 3481 WIDENING FROM FM 2410 ABOUT 2.5 MILES TO THE NORTH
TXR1594QV	Lone Star Grading & Materials, LLC	1623	1218	BELL	9	HARKER HEIGHTS	LOCATED ON BLUEBIRD DRIVE
TXR1594QV	Lone Star Grading & Materials, LLC	1629	1218	BELL	9	HARKER HEIGHTS	LOCATED ON BLUEBIRD DRIVE
TXR1595BL	GOMER, JEROME	3011	1218	BELL	9	HARKER HEIGHTS	CORNER OF UTE & WARRIORS PATH
TXR15961K	Continental Homes Of Texas, L.P.	1521	1218	BELL	9	HARKER HEIGHTS	SOUTHEAST OF THE INTERSECTION OF NOLA RUTH BLVD AND OLD NOLANVILLE ROAD
TXR15AL23	PEARSON CONSTRUCTION INC	1542		BELL	9	HARKER HEIGHTS	402 INDIAN TRL HARKER HEIGHTS TX 76548 7208
TXR15AL23	PEARSON CONSTRUCTION INC	9221		BELL	9	HARKER HEIGHTS	402 INDIAN TRL HARKER HEIGHTS TX 76548 7208
TXR15AO53	LINDSEY CONTRACTORS INC	1623		BELL	9	HARKER HEIGHTS	ON US 90 EXIT FM 2410 S SITE AT RIGHT
TXR15AZ24	CENTEX HOMES INC	1521		BELL	9	HARKER HEIGHTS	ON S & SW OF INTX OF US190 & FM2410
TXR15AZ26	CENTEX HOMES INC	1521		BELL	9	HARKER HEIGHTS	ON SE OF INTX OF FM2410 & COMANCHE GAP RD
TXR15AZ27	CENTEX HOMES INC	1521		BELL	9	HARKER HEIGHTS	ON S & SW OF INTX OF US190 & FM2410
TXR15B295	MOOCHING K LTD	6552		BELL	9	HARKER HEIGHTS	ON THE INTERSECTION OF CORNER OF E RUBY RD AND S ARMY LN
TXR15C701	BRUGGEMAN-MITCHELL LTD	1542		BELL	9	HARKER HEIGHTS	ON US 190 EXIT FM 2410 L AT SVC RD R
TXR15CA17	DIAMOND C HOMES LTD	1521		BELL	9	HARKER HEIGHTS	ON SW OF FM 2410 & MOUNTAIN LION RD INTX
TXR15CB13	BASS BUILDING CORPORATION	6552		BELL	9	HARKER HEIGHTS	ON IH 35 EXIT HWY 190 W TO INDIAN TRAIL EXIT AND TURN RIGHT FOLLOW TO SCHOOL SITE JUST PAST SCHOOL LEFTSIDE
TXR15CT81	GARY W PURSER CONSTRUCTION LTD	1542		BELL	9	HARKER HEIGHTS	ON FROM 35 EXIT FM 2410 AND GO LEFT TO MTAIN LION TO PROSPECTOR TO SITE
TXR15CV06	GARY W PURSER CONSTRUCTION LTD	1521		BELL	9	HARKER HEIGHTS	ON FM 3481 AND FM 2410
TXR15D131	GARY W PURSER CONSTRUCTION LTD	6552		BELL	9	HARKER HEIGHTS	MOUNTAIN LION RD ON MODOC
TXR15D280	SHAWH INC	6552		BELL	9	HARKER HEIGHTS	2224 WARRIORS PATH HARKER HEIGHTS TX 76548 6903
TXR15DL51	TTCH LLC	1521		BELL	9	HARKER HEIGHTS	3215 EAGLE RDG HARKER HEIGHTS TX 76548 8677

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The number of distinct permits found is 218.

Water Quality General Permits Search

Your search returned 238 records. For search criteria used, look below this list of results.

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Auth #	Permittee	SIC Code	Segment #	County	Region	City	Site Location
TXR15E752	W&B DEVELOPMENT LTD	1521		BELL	9	HARKER HEIGHTS	ON THE INT OF US 190 & MODOC
TXR15EZ99	GREEN MOUNTAIN DEVELOPERS LP	1521	1216	BELL	9	HARKER HEIGHTS	ON NW OF THE INTEX OF FULLER LN AND OAK RIDGE BLVD
TXR15F203	CAROTHERS HOMES INC	1521		BELL	9	HARKER HEIGHTS	600 MUSTANG TRL HARKER HEIGHTS TX 76548 2340
TXR15F405	GARY W PURSER CONSTRUCTION LTD	6552		BELL	9	HARKER HEIGHTS	ON R TO MOUNTAIN LION L TO STAGECOACH L TO MUSTANG
TXR15F480	CENTEX REAL ESTATE CORPORATION	1521		BELL	9	HARKER HEIGHTS	ON MOUNTAIN LION & STAGECOACH
TXR15FG69	RANCIER ALL STAR DEVELOPMENT LP	1542		BELL	9	HARKER HEIGHTS	882 PROSPECTOR TRL HARKER HEIGHTS TX 76548 2700
TXR15FG92	DAVID D SMITH CONSTRUCTION INC	1521		BELL	9	HARKER HEIGHTS	ON NW OF INTERSECTION OF FULLER LN AND OAK RIDGE BLVD
TXR15FI73	BHAKTA, MANISH	1521		BELL	9	HARKER HEIGHTS	303 PROSPECTOR TRL HARKER HEIGHTS TX 76548 2588
TXR15FR24	CANTERINO, PASQUALE	1521		BELL	9	HARKER HEIGHTS	1809 RIDGEWOOD CT HARKER HEIGHTS TX 76548 8683
TXR15FR25	D & C MORGAN LLC	1521		BELL	9	HARKER HEIGHTS	303 PROSPECTOR TRL HARKER HEIGHTS TX 76548 2588
TXR15FR26	D & C MORGAN LLC	1521		BELL	9	HARKER HEIGHTS	1809 RIDGEWOOD CT HARKER HEIGHTS TX 76548 8683
TXR15FW91	J&G MCLEAN CONSTRUCTION COMPANY LTD	1623		BELL	9	HARKER HEIGHTS	ON BEGINS SW OF INTEX OLD NOLANVILLE RD & WARRIORS PATH RUNNING NW ALONG BNSFRR & END NW OF INTEX BUS HWY 190 & N FT HOOD ST
TXR15GA95	MARKET HEIGHTS LTD	1542		BELL	9	HARKER HEIGHTS	ON INTEX OF US 190 AND FM 2410
TXR15GJ95	EMJ CORPORATION	1521		BELL	9	HARKER HEIGHTS	ON CORNER OF US 190 & FM 2410
TXR15GX19	ACTG HARKER HEIGHTS LP	6552		BELL	9	HARKER HEIGHTS	ON FM 2410 FROM I35 SOUTH TO US 190 TO FM 2410 ALONG EAST SIDE
TXR15H858	GARY W PURSER CONSTRUCTION LTD	6552		BELL	9	HARKER HEIGHTS	ON MOUNTAIN LION & IOWA
TXR15H979	KEITH CAROTHERS HOMES INC	1521		BELL	9	HARKER HEIGHTS	ON BELLA VISTA LOOP & FULLER LN
TXR15HE39	GOMER PARK LTD	6552		BELL	9	HARKER HEIGHTS	1405 GOMER LN HARKER HEIGHTS TX 76548 6003
TXR15HJ86	MK DEVELOPERS LC	1629		BELL	9	HARKER HEIGHTS	ON IH 35 S EXIT HWY 190 TO VETERANS MEM DR PAST LOOKOUT RIDGE BLVD 123 YDS SITE AT L
TXR15I739	HILL COUNTRY HOMES INC	1521		BELL	9	HARKER HEIGHTS	ON BELLA VISTA LOOP & FULLER LN
TXR15I966	CENTEX REAL ESTATE CORPORATION	1521		BELL	9	HARKER HEIGHTS	ON MOUNTAIN LION & MODOC
TXR15IO60	SHELTON & SHELTON PLUMBING LP	1623		BELL	9	HARKER HEIGHTS	ON ALONG DAKOTA TRACE OFF INDIAN TRL ALONG HOPI NATCHEZ PIMA AND YUMA TRLS IN HARKER HEIGHTS
TXR15IY35	TARGET CORPORATION	1542	1216	BELL	9	HARKER HEIGHTS	ON S SIDE OF INDIAN OAKS APPROX 1000 FT W OF E CENTRAL TX HWY US 190
TXR15J124	WILLIAMS DEVELOPMENT & CONSTRUCTION INC	5311	1216	BELL	9	HARKER HEIGHTS	2020 HEIGHTS DR HARKER HEIGHTS TX 76548 2000
TXR15J589	JDG INC	1521		BELL	9	HARKER HEIGHTS	ON THE INT OF BELLA VISTA LOOP AND FULLER LANE
TXR15J666	CORNERSTONE CONTRACTORS INC	1521		BELL	9	HARKER HEIGHTS	ON HWY 190 & CARIBOU TRAIL
TXR15J669	CORNERSTONE CONTRACTORS INC	1521		BELL	9	HARKER HEIGHTS	2210 ADDAX TRL HARKER HEIGHTS TX 76548 2345
TXR15J886	WAL-MART STORES TEXAS LP	5311	1216	BELL	9	HARKER HEIGHTS	2020 HEIGHTS DR HARKER HEIGHTS TX 76548 2000
TXR15J930	J&G MCLEAN CONSTRUCTION COMPANY LTD	1521		BELL	9	HARKER HEIGHTS	ON SE OF THE INTERSECTION OF FM 3481 AND FULLER LN
TXR15JE07	SM WILSON & CO	1542	1216	BELL	9	HARKER HEIGHTS	201 E CENTRAL TEXAS EXPY HARKER HEIGHTS TX 76548 1887
TXR15JL57	ONCOR ELECTRIC DELIVERY COMPANY	4911		BELL	9	HARKER HEIGHTS	475 N ROY REYNOLDS DR HARKER HEIGHTS TX 76548

	LLC						
TXR15JO10	D & C MORGAN LLC	1521		BELL	9	HARKER HEIGHTS	1603 RIDGEWOOD CT HARKER HEIGHTS TX 76548 8683
TXR15JO10	D & C MORGAN LLC	1522		BELL	9	HARKER HEIGHTS	1603 RIDGEWOOD CT HARKER HEIGHTS TX 76548 8683
TXR15K528	GARY W PURSER CONSTRUCTION LTD	6552		BELL	9	HARKER HEIGHTS	ON THE INTX OF MOUNTAIN LION & PROSPECTOR
TXR15K531	GARY W PURSER CONSTRUCTION LTD	6552		BELL	9	HARKER HEIGHTS	ON THE INTX OF MOUNTAIN LION & PROSPECTOR
TXR15KH21	TEXAS DEPARTMENT OF TRANSPORTATION	9621	1213	BELL	9	HARKER HEIGHTS	US 190 FROM FM 2410 IN HARKER HEIGHTS TO INDIAN TRAIL
TXR15KI04	HARKER HEIGHTS BF LP	1542	1216	BELL	9	HARKER HEIGHTS	NORTH SIDE OF FM 2410, JUST NORTH OF THE INTERSECTION OF FM 2410 AND UDS HWY 190
TXR15KI66	GARY W PURSER CONSTRUCTION LTD	1611	1218	BELL	9	HARKER HEIGHTS	LOCATED IN THE PARK AT HELMS WAY AND MILLERS CROSSING
TXR15KI66	GARY W PURSER CONSTRUCTION LTD	1629	1218	BELL	9	HARKER HEIGHTS	LOCATED IN THE PARK AT HELMS WAY AND MILLERS CROSSING
TXR15KJ65	VANGUARD CONTRACTORS II LP	1521	1215	BELL	9	HARKER HEIGHTS	1501 E FM 2410 RD HARKER HEIGHTS TX 76548 6853
TXR15KN09	CENTEX REAL ESTATE CORPORATION	1521	1216	BELL	9	HARKER HEIGHTS	SOUTHWEST OF THE INTERSECTION OF PROSPECTOR TRAIL AND CEDAR KNOB RD.
TXR15KN10	CENTEX REAL ESTATE CORPORATION	1521	1216	BELL	9	HARKER HEIGHTS	101 RUSTLER CIR HARKER HEIGHTS TX 76548 8905
TXR15KP62	J&G MCLEAN CONSTRUCTION COMPANY LTD	1623	1218	BELL	9	KILLEENHARKER HEIGHTS	BEGINNING SW OF THE INTERSECTION OF OLD NOLANVILLE RD AND WARRIORS PATH RUNNING NW ALONG BNSF RR AND ENDING NW OF THE INTERSECTION OF BUS HW 190 AND N. FT HOOD STREET
TXR15L283		1521		BELL	9	HARKER HEIGHTS	ON COMMANCHE GAP & COMMANCHE RIDGE
TXR15L433	GARY W PURSER CONSTRUCTION LTD	6552		BELL	9	HARKER HEIGHTS	ON THE INTX OF MOUNTAIN LION & MODOC
TXR15LC21	SLI GROUP INC	1542	1218	CORYELL	9	HARKER HEIGHTS	201 E CENTRAL EXPY BLDG 16 HARKER HEIGHTS TX 76543
TXR15LC68	SM WILSON & CO	1542	1216	BELL	9	HARKER HEIGHTS	IMMEDIATELY NORTH OF THE INTERSECTION OF FM 2410 AND CENTRAL TEXAS EXPRESSWAY 190
TXR15LG84	EMBREE CONSTRUCTION GROUP INC	1542	1216	BELL	9	HARKER HEIGHTS	NORTH SIDE OF FM 2410, JUST NORTH OF THE INTERSECTION OF FM 2410 & US HWY 190
TXR15LH14	EMMONS CONSTRUCTION MANAGEMENT LC	0214	0101	BELL	9	HARKER HEIGHTS	480 E FM 2410 RD HARKER HEIGHTS TX 76548 5721
TXR15LT16	CAMBRIDGE CONSTRUCTION GROUP TX L L C	1542	1218	BELL	9	HARKER HEIGHTS	NORTH OF US-190 AND EAST OF FM2410

The following search criteria was entered:

- Permit Type: Construction Notice of Intent (TXR15)
- Application Status: APPROVED
- City: HARKER HEIGHTS

The number of distinct permits found is 218.

Water Quality General Permits Search

Your search returned 238 records. For search criteria used, look below this list of results.

Page < 1 2 3 4 5 > 151-200 of 238 Records

Auth #	Permittee	SIC Code	Segment #	County	Region	City	Site Location
TXR15LV17	W&B DEVELOPMENT LTD	1611	1216	BELL	9	HARKER HEIGHTS ETJ	1.2 MILES WEST OF SIMMONS ROAD ON FM 2410
TXR15MJ06	PARKER & SUTTON LP	1521		BELL	9	HARKER HEIGHTS	N OF FM 2410 & WARRIORS PATH RD ON HAY MEADOW DR
TXR15MC41	W&B DEVELOPMENT LTD	1611	1216	BELL	9	HARKER HEIGHTS	1/4 MI NORTH OF LAKEFRONT DR & COMANCHE GAP RD
TXR15MH58	CB RICHARD ELLIS INC	1542	1218	BELL	9	HARKER HEIGHTS	N OF US 190 & E OF FM 2410
TXR15MR91	CHICK-FIL-A INC	1542	1217	BELL	9	HARKER HEIGHTS	FROM I35 EXIT W ONTO CENTRAL TX EXPRY/US HWY 190 TOWARD HARKER HEIGHTS & KILLEEN EXIT RD 2410 N NEQ OF RD 2410 & US HWY 190
TXR15MU21	LANDMARK GENERAL CONTRACTORS INC	5812	1217	BELL	9	HARKER HEIGHTS	201 E CTE STE 2000 HARKER HEIGHTS TX 76548 2792
TXR15MV19	EMBREE CONSTRUCTION GROUP INC	1542	1216	BELL	9	HARKER HEIGHTS	201 E CENTRAL TEXAS EXPY HARKER HEIGHTS TX 76548 1887
TXR15ND87	SALADO PREMIER HOMES LLC	1521	1215	BELL	9	HARKER HEIGHTS	1505 HAZELNUT DR HARKER HEIGHTS TX 76548 2735
TXR15NF44	DEWALD SERVICE & EXCAVATION CORPORATION	1541	1216	BELL	9	HARKER HEIGHTS	909 MOUNTAIN LION CIR HARKER HEIGHTS TX 76548 5709
TXR15NF44	DEWALD SERVICE & EXCAVATION CORPORATION	1542	1216	BELL	9	HARKER HEIGHTS	909 MOUNTAIN LION CIR HARKER HEIGHTS TX 76548 5709
TXR15NX05	DAVID D SMITH CONSTRUCTION INC	1629	1218	BELL	9	HARKER HEIGHTS	401 NORTH AMY LANE HARKER HEIGHTS TX 76548
TXR15O689	KILLEEN ISD	1542		BELL	9	HARKER HEIGHTS	ON THE SW INT OF FM 2410 AND MOUNTAIN LION ROAD
TXR15O821	CLOUD CONSTRUCTION CO INC	1542		BELL	9	HARKER HEIGHTS	ON SW OF THE INTX OF FM 2410 & MOUNTAIN LION RD
TXR15OA55	LUPE RUBIO CONSTRUCTION COMPANY INC	1542	1213	VICTORIA	14	HARKER HEIGHTS	FM 2410 TO HIGH OAK TO LAGO VISTA
TXR15OB37	HELMS WAY DEVELOPMENT LLC	1542	1216	BELL	9	HARKER HEIGHTS	SOUTHWEST OF THE INTERSECTION OF US HWY 190 AND HELMS WAY
TXR15OR20	DAVID D SMITH CONSTRUCTION INC	1521	1216	BELL	9	HARKER HEIGHTS	NORTHEAST OF THE INTERSECTION OF FULLER LANE AND OAK RIDGE BLVD.
TXR15OR42	GROUP INVESTMENT HOLDINGS INC	1521	1216	BELL	9	HARKER HEIGHTS	NORTHEAST OF THE INTERSECTION OF FULLER LANE AND OAK RIDGE BLVD
TXR15OU69	PREFERRED CLASSIC HOMES LLC	1521	1216	BELL	9	HARKER HEIGHTS	3202 EAGLE RDG HARKER HEIGHTS TX 76548 8677
TXR15OU71	PREFERRED CLASSIC HOMES LLC	1521	1216	BELL	9	HARKER HEIGHTS	3202 EAGLE RDG HARKER HEIGHTS TX 76548 8677
TXR15OV30	LEIGH MORGAN HOMES LTD	1521	0101	BELL	9	HARKER HEIGHTS	515 WALLABY CIR HARKER HEIGHTS TX 76548 5651
TXR15OV43	RT SCHNEIDER CONSTRUCTION CO II LTD	1611	1216	BELL	9	HARKER HEIGHTS	OSAGE AND INDIAN TRAIL - INDIAN TRAIL AND FM 2410
TXR15OV43	RT SCHNEIDER CONSTRUCTION CO II LTD	1611	1218	BELL	9	HARKER HEIGHTS	OSAGE AND INDIAN TRAIL - INDIAN TRAIL AND FM 2410
TXR15OZ16	D & C MORGAN LLC	1521	1216	BELL	9	HARKER HEIGHTS	FROM THE INTERSECTION OF F.M.2410 & CEDAR KNOB RD. GO SOUTH ON CEDAR KNOB APPROX. 1/2 MI. EVERGREEN ESTATES IS ON THE RIGHT.
TXR15P553	D R HORTON INC	1521	1216	BELL	9	HARKER HEIGHTS	ON THE SW INT OF HIGHWAY 190 AND FM 2410
TXR15PB24	VANGUARD CONTRACTORS II LP	1521	1218	BELL	9	HARKER HEIGHTS	NW CORNER OF INTERSECTION OF INDIAN TRAIL & E FM 2410

TXR15PJ25	D R HORTON INC	1521	1216	BELL	9	HARKER HEIGHTS	ON THE NORTHWEST OF THE INTERSECTION OF FULLER LN AND OAK RIDGE BLVD
TXR15PJ38	SULLIVAN & SULLIVAN INC	1542	1216	BELL	9	HARKER HEIGHTS	150 E CENTRAL TEXAS EXPY HARKER HEIGHTS TX 76548 1889
TXR15PP12	DPD INC	1521	1216	BELL	9	HARKER HEIGHTS	HWY 190 EXIT 2410, GO LEFT ONTO 2410, RIGHT ON COMMANCHE GAP. LEFT INTO THE RIDGE
TXR15Q928	CAROTHERS HOMES INC	1521		BELL	9	HARKER HEIGHTS	ON THE SW INT OF FM 2410 & MOUNTAIN LION RD
TXR15QA36	DPD INC	1521	1216	BELL	9	HARKER HEIGHTS ETJ	1.2 MILES WEST ON SIMMONS ROAD-FM 2410.HARKER HEIGHTS ETJ, TEXAS 76548
TXR15QA60	KC STARS LLC	7011	1216	BELL	9	HARKER HEIGHTS	628 E VETERANS MEMORIAL BLVD HARKER HEIGHTS TX 76548 1391
TXR15QA68	NEIMAN HOMES AND CONSTRUCTION LLC	1521	1216	BELL	9	HARKER HEIGHTS	3305 EAGLE RDG HARKER HEIGHTS TX 76548 8685
TXR15QG92	D. R. Horton, Inc.	1521	1217	BELL	9	HARKER HEIGHTS	ON THE NE OF THE INTERSECTION OF STATE HIGHWAY 195 AND CHAPARRAL RD
TXR15QL44	DEMARICK CORPORATION	1541	1217	BELL	9	HARKER HEIGHTS	SOUTH OF THE INTERSECTIONS SEMINAL AND UTE
TXR15QT60	NEIMAN HOMES AND CONSTRUCTION LLC	1521	1216	BELL	9	HARKER HEIGHTS	SOUTH OF ROAD FM 2410 WEST OF ELF TRAIL
TXR15QW24	JHL CONSTRUCTION	1611	1218	BELL	9	HARKER HEIGHTS	MODOC DRIVE MOUNTAIN LION ROAD TO SHAWNEEPONTOTOC TRACE WARRIOR'S PATH TO AZTECUTE TRAIL WARRIOR'S PATH TO DAKOTA TRAILDAKOTA TRIAL SHASTA NORTH TO END
TXR15QW35	ONCOR ELECTRIC DELIVERY COMPANY LLC	1521	1216	BELL	9	HARKER HEIGHTS	PROJECT SITE IS LOCATED NEAR THE INTERSECTION OF FM 2410 AND INDIAN TRAIL IN HARKER HEIGHTS TEXAS
TXR15R127	CENTRAL TEXAS PIPELAYERS INC	1521		BELL	9	HARKER HEIGHTS	ON THE INT OF FM 2410 & WARRIORS PATH RD
TXR15R130	RT SCHNEIDER CONSTRUCTION CO II LTD	1521		BELL	9	HARKER HEIGHTS	ON THE INT OF FM 2410 & WARRIORS PATH ROAD
TXR15R632	MURPHY OIL USA INC	5541		BELL	9	HARKER HEIGHTS	2010 HEIGHTS DR HARKER HEIGHTS TX 76548 2000
TXR15RH25	W&B DEVELOPMENT LTD	1611	1216	BELL	9	HARKER HEIGHTS	TWO NON-CONTIGUOUS PROPERTIES, ONE BEING ON THE NORTHWEST CORNER OF THE INTERSECTION BETWEEN CHAPARRAL RD AND FM 3481 (REFERRED TO AS THE WESTERN PROPERTY), AND THE OTHER BEING ON THE NORTHEAST CORNER OF THE INTERSECTION BETWEEN CEDAR KNOB RD AND FM 3481
TXR15RR24	HH KILLEEN HEALTH SYSTEM LLC	8062	1216	BELL	9	HARKER HEIGHTS	850 E CENTRAL TEXAS EXPRESSWAY
TXR15S045	GARY W PURSER CONSTRUCTION LTD	6552		BELL	9	HARKER HEIGHTS	ON 35S TO 190 W LEFT MOUNTAIN LION RD RIGHT TO MODOC
TXR15S785	CENTEX HOMES INC	1521		BELL	9	HARKER HEIGHTS	ON THE INT OF PROSPECTOR TRAIL & MUSTANG TRAIL
TXR15S902	CENTEX HOMES INC	1521		BELL	9	HARKER HEIGHTS	ON MODOC & IOWA DR
TXR15SB64	GARY W PURSER CONSTRUCTION LTD	1629	1216	BELL	9	HARKER HEIGHTS	MOUNTAIN LION ROAD BETWEEN NICKLEBACK DRIVE & IOWA DRIVE
TXR15SQ01	DT SYMPHONY HOMES LP	1521	1216	BELL	9	HARKER HEIGHTS	SOUTH ON FM 2410, WEST ON ELF TRAIL. HARKER HEIGHTS, TEXAS 76548
TXR15SZ50	BURT-WATTS INDUSTRIES INC	6552	1216	BELL	9	HARKER HEIGHTS	NORTHEAST QUADRANT OF US HIGHWAY 190 AND INDIAN OAKS DRIVE
TXR15T067	CENTEX HOMES INC	1521		BELL	9	HARKER HEIGHTS	2126 MODOC DR HARKER HEIGHTS TX 76548 2094
TXR15T272	HEIGHTS EVERGREEN DEVELOPERS LTD	1521		BELL	9	HARKER HEIGHTS	ON THE WEST INT OF FM 2410 & COMANCHE GAR RD

The following search criteria was entered:

- Permit Type: Construction Notice of Intent (TXR15)
- Application Status: APPROVED
- City: HARKER HEIGHTS

The number of distinct permits found is 218.

Water Quality General Permits Search

Your search returned 238 records. For search criteria used, look below this list of results.

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Auth #	Permittee	SIC Code	Segment #	County	Region	City	Site Location
TXR15T329	MCLEAN CONSTRUCTION LTD	1521		BELL	9	HARKER HEIGHTS	ON THE WEST INT OF FM 2410 & COMANCHE GAP ROAD
TXR15TA09	MARKET HEIGHTS LTD	6552	1216	BELL	9	HARKER HEIGHTS	201 E CENTRAL TEXAS EXPY HARKER HEIGHTS NORTHEAST QUADRANT OF US HIGHWAY 190 AND INDIAN OAKS DRIVE
TXR15TV01	JIMMY JACOBS CUSTOM HOMES LTD	1522	1218	BELL	9	HARKER HEIGHTS	4401 FLAT ROCK COVE HARKER HEIGHTS TX 76548
TXR15TX90	Pulte Homes of Texas, L.P.	1521	1216	BELL	9	HARKER HEIGHTS	WEST OF THE INTERSECTION OF VINEYARD TRAIL AND F.M. 3481
TXR15U684	W&B DEVELOPMENT LTD	1542		BELL	9	HARKER HEIGHTS	ON S SIDE US 190 0.5M W OF MODOC
TXR15UA87	CAROTHERS HOMES LLC	1521	1216	BELL	9	HARKER HEIGHTS	SOUTHEAST OF THE INTERSECTION OF LOBLOLLY DRIVE AND GREEN GIANT DRIVE
TXR15UM69	TTG UTILITIES LP	1629	1218	BELL	9	HARKER HEIGHTS	1025 BLUEBIRD HARKER HEIGHTS TX 76548
TXR15UM69	TTG UTILITIES LP	1771	1218	BELL	9	HARKER HEIGHTS	1025 BLUEBIRD HARKER HEIGHTS TX 76548
TXR15UO16	D R HORTON INC	1521	1218	BELL	9	HARKER HEIGHTS	WEST OF THE INTERSECTION OF WARRIORS PATH ROAD AND HAY MEADOW DRIVE
TXR15UO28	D R HORTON INC	1521	1216	BELL	9	HARKER HEIGHTS	SOUTH OF THE INTERSECTION OF CAYUGA DRIVE AND RIVER ROCK TRAIL
TXR15UO52	ASHTON AUSTIN RESIDENTIAL LLC	1521	1216	BELL	9	HARKER HEIGHTS	STILLHOUSE HOLLOW LAKE ROAD AND CHAPARRAL ROAD
TXR15UW36	D. R. Horton, Inc.	1521	1216	BELL	9	HARKER HEIGHTS	NORTHWEST OF THE INTERSECTION OF FM 3481 AND CHAPARRAL ROAD
TXR15V238	STILLHOUSE RIDGE INC	1521		BELL	9	HARKER HEIGHTS	ON 1/4 M N OF LAKEFRONT DR & COMANCHE GAP RD
TXR15V674	CAROTHERS EXECUTIVE HOMES LTD	1521	1216	BELL	9	HARKER HEIGHTS	ON WEST OF THE INTERSECTION OF FM 2410 AND FM 3481
TXR15VC12	ONCOR ELECTRIC DELIVERY COMPANY LLC	4911	1218	BELL	9	HARKER HEIGHTS	PROJECT SITE IS LOCATED NORTH OF TAFT ST TO EAST OF ROY REYNOLDS DR
TXR15VH57	GARY W PURSER CONSTRUCTION LTD	6552	1216	BELL	9	HARKER HEIGHTS	GO WEST ON 190 TO FM2410. GO SOUTH ON FM2410 TO VERNA LEE BLVD. TRAVEL EAST ON VERNA LEE BLVD TO PROPERTY.
TXR15VO23	SAMS REAL ESTATE BUSINESS TRUST	5311	1216	BELL	9	HARKER HEIGHTS	SWC S.H. 190 AND MEMORY LANE
TXR15VO23	SAMS REAL ESTATE BUSINESS TRUST	5411	1216	BELL	9	HARKER HEIGHTS	SWC S.H. 190 AND MEMORY LANE
TXR15VX35	MYCON GENERAL CONTRACTORS INC	1541	1216	BELL	9	HARKER HEIGHTS	SWC S.H. 190 AND MEMORY LANE
TXR15W280	SHALLOW FORD CONSTRUCTION CO INC	1629		BELL	9	HARKER HEIGHTS	ON 7200FT W OF INTX OF FM 2410 & MOUNTAIN LION ROAD
TXR15W701	GARY W PURSER CONSTRUCTION LTD	6552		BELL	9	HARKER HEIGHTS	ON INTX OF TUNDRA AND RESERVATION
TXR15W716	DPD INC	1521		BELL	9	HARKER HEIGHTS	801 OLD NOLANVILLE RD HARKER HEIGHTS TX 76548
TXR15W914	DIAMOND C HOMES LTD	1521		BELL	9	HARKER HEIGHTS	ON SW OF FM2410 & MOUNTAIN LION RD INTX
TXR15WU95	W&B CONSTRUCTION LLC	1611	1216	BELL	9	HARKER HEIGHTS	TWO NON-CONTIGUOUS PROPERTIES, ONE BEING ON THE NORTHWEST CORNER OF THE INTERSECTION BETWEEN CHAPARRAL RD AND FM 3481 (REFERRED TO AS THE WESTERN PROPERTY), AND THE OTHER BEING ON THE NORTHEAST CORNER OF THE INTERSECTION BETWEEN CEDAR KNOB RD AND FM 3481
TXR15WU97	W&B CONSTRUCTION LLC	1611	1216	BELL	9	HARKER HEIGHTS	1/4 MI NORTH OF LAKEFRONT DR & COMANCHE GAP RD
TXR15WV31	CLOUD CONSTRUCTION CO INC	1542	1216	BELL	9	HARKER HEIGHTS	500 MOUNTAIN LION ROAD
TXR15X945	TEXAS HERITAGE PARK MANAGEMENT LLC	1542		BELL	9	HARKER HEIGHTS	ON 903 & 905 MOUNTAIN LION CIRCLE

TXR15K947	CENTRAL TEXAS ALL STAR DEVELOPMENT MANAGEMENT LLC	6552		BELL	9	HARKER HEIGHTS	ON ELBERT LN & S AMY LN
TXR15XI99	GARY W PURSER CONSTRUCTION LTD	6552	1216	BELL	9	HARKER HEIGHTS	GO WEST ON 190 TO FM2410. GO SOUTH ON FM2410 TO VERNA LEE BLVD. TRAVEL EAST ON VERNA LEE BLVD TO PROPERTY.
TXR15XN09	LENNAR HOMES OF TEXAS LAND AND CONSTRUCTION LTD	1521	1216	BELL	9	HARKER HEIGHTS	SOUTH OF THE INTERSECTION OF LOBLOLLY DRIVE AND GREEN GIANT DRIVE
TXR15YM02	REECES CREEK GROUP LC	1611	1216	BELL	9	HARKER HEIGHTS	HWY 190,TO EAST END OF FM 2410 BETWEEN 190 AND 2410. HARKER HEIGHTS
TXR15YP86	GARY W PURSER CONSTRUCTION LTD	1611	1216	BELL	9	HARKER HEIGHTS	AT THE SOUTHWEST CORNER OF FM 3481 AND FM 2410
TXR15YP87	WAL-MART REAL ESTATE BUSINESS TRUST	5411	1215	BELL	9	HARKER HEIGHTS	SOUTH WEST CORNER OF F.M. 2410 AND F.M. 3481
TXR15Z753	W&B DEVELOPMENT LTD	1521		BELL	9	HARKER HEIGHTS	ON 1/4M N OF LAKEFRONT DR & COMANCHE GAP RD
TXR15ZA51	TERRA AZUL DEVELOPMENTS LLC	1521	1218	BELL	9	HARKER HEIGHTS	FROM THE INTERSECTION OF CLORE ROAD AND INDIAN TRAIL, THE SITE IS LOCATED ON THE NORTH MARGIN OF CLORE ROAD APPROXIMATELY 300' EAST OF THE INTERSECTION ALONG THE NORTHERLY MARGIN OF CLORE ROAD.
TXR15ZJ25	EMERSON CONSTRUCTION COMPANY INC	5411	1215	BELL	9	HARKER HEIGHTS	SOUTH WEST CORNER OF F.M. 2410 AND F.M. 3481
TXR15ZU82	Carothers Homes, LLC	1521	1216	BELL	9	HARKER HEIGHTS	I-35, GO WEST ONTO HWY 190, GO SOUTH ONTO FM2410, GO EAST ONTO VERNA LEE, GO LEFT INTO THE GROVE AT WHITTEN PLACE
TXR15ZZ04	HOOVER CONSTRUCTION COMPANY INC	1623	1216	CORYELL	9	HARKER HEIGHTS	STARTS AT FM 2410 & COMANCHE GAP ROAD - GOES EAST TO INTERSECTION WITH RUMMEL STREET, THEN TURNS NORTH A QUATER OF A MILE TO LIFT STATION SITE

The following search criteria was entered:

- Permit Type: Construction Notice of Intent (TXR15)
- Application Status: APPROVED
- City: HARKER HEIGHTS

The number of distinct permits found is 218.

City of Harker Heights Developer's Storm Water Guide for New Development and Re-Development Revised 02-06-16

For all land disturbing activity including brush and tree grubbing, the TCEQ Construction General Permit TXR150000 (SWPPP) is required if:

1. Construction activities which disturb 5 or more acres, or are part of a larger common plan of development that will disturb 5 or more acres.
2. Small construction activities which disturb at least 1 but less than 5 acres, or are part of a larger common plan of development that will disturb at least 1 but less than 5 acres, are also regulated under this general permit.

⇨ Obtain TCEQ Construction General Permit TXR150000 (SWPPP)

⇩

Harker Heights Erosion and Sedimentation Control Permit required.

⇩

Install approved BMP's, request City inspection. Once installed BMP's are approved by the City, the developer may begin land disturbing activity.

Construction activities that disturb less than 1 acre, and are not part of a larger common plan of development that would disturb 1 or more acres, are not required to obtain coverage under the TCEQ Construction General Permit TXR150000 (SWPPP).

⇩

Harker Heights Erosion and Sedimentation Control Permit required.

⇩

Install approved BMP's, request City inspection. Once installed BMP's are approved by the City, the developer may begin land disturbing activity.

For Office Use Only
Project # _____

Concept Plan/ Revised Concept Plan Checklist

The following is a partial listing of requirements for Concept Plan and Revised Concept Plan applications as found in the City of Harker Heights' Code of Ordinances and policies. A completed checklist must be submitted with each application. All applications are required to be submitted via the City's online portal at https://www.mygovernmentonline.org/. Applications are only accepted on the dates indicated in the adopted annual intake calendar (https://harkerheights.gov/index.php/boards-and-commissions/planning-and-zoning/p-z-commission). Applicants shall indicate compliance with standards by checking the box adjacent to the standard. Failure to comply with standards could result in rejection of application, delay of Concept Plan/Revised Concept Plan approval, and/or disapproval. This checklist is in accordance with §154.20(A)(1) and §154.20 of the City's Code of Ordinances.

Section 1 – General Provisions *(check if provided; indicate NA if not applicable)*

Please clarify the status of this Concept Plan / Revised Concept Plan (Plan) submittal:

☐ **1.1** A pre-application meeting with the City's Development Review Committee has been held for this Plan area. **(§154.20(A)(1)(a))**

Date of Meeting: _____.

☐ **1.2** A Concept Plan was previously approved /conditionally approved for this Plat area. **(§154.20(A)(2))**

Date of Approval: _____; Case Number: _____.

☐ **1.3** Concurrent filing of this Plan with a Preliminary Plat / Revised Preliminary Plat was approved in writing by the Planning & Development Director. **(§154.20(A)(2)(e))**

Date of Approval: _____.

Date of Approval: _____.

☐ **1.4** Total area for this Plan is: _____(acres); _____ (square feet).

☐ **1.5** Current Zoning District(s) for this Plan area is:

_____.

Section 1 – General Provisions *(check if provided; indicate NA if not applicable)*

☐ **1.6** Number of Lots/Tracts/Remainders Per respective Zoning District in this Plan area is:

_____

_____.

Section 2 – Legal *(check if provided; indicate NA if not applicable)*

☐ **2.1** Provide proof of ownership for the Plat area. **(§154.20(A) and §154.20(A)(2)(d)(1))**

- Copy of deed
- For businesses, non-profits, etc. provide signed documentation authorizing applicant to sign on behalf of the entity (authorized agents). **(§154.20(A)(6))**
- Name of developer

☐ **2.2** Provide a copy of recorded documentation for existing easements.

Section 3 – General Plan Standards *(check if provided; indicate NA if not applicable)*

☐ **3.1** Provide proposed name of the development. **(§154.20(A)(2)(d)(1))**

☐ **3.2** Provide a layout of the entire tract, including internal lots, and its relationship to adjacent property, existing development and recorded plats, showing the existing property lines of the land being subdivided, north indicator, and scale. **(§154.20(A)(2)(d)(2))**

☐ **3.3** Illustrate and annotate topographic contours available from the U.S. Geological Survey. **(§154.20(A)(2)(d)(3))**

☐ **3.4** Illustrate and annotate significant drainage features and structures including any regulatory one-hundred-year floodplains, the location of existing watercourses, dry creek beds, wells, sinkholes and other similar features. **(§154.20(A)(2)(d)(4))**

☐ **3.5** Provide specific information related to land use for the proposed development and adjoining property for a distance of 300 feet. **(§154.20(A)(2)(d)(5))**

☐ **3.6** Illustrate and annotate building placement and building envelopes. **(§154.20(A)(2)(d)(6))**

☐ **3.7** Provide a parking layout. **(§154.20(A)(2)(d)(7))**

☐ **3.8** Illustrate and annotate general landscaping and buffer areas. **(§154.20(A)(2)(d)(8))**

☐ **3.9** Illustrate and annotate the location of all existing and proposed water and sewer lines. **(§154.20(A)(2)(d)(9))**

☐ **3.10** Illustrate and annotate all existing and/or proposed public utility easements and private easements. **(§154.20(A)(2)(d)(10))**

☐ **3.11** Illustrate and annotate the location of all existing and proposed stormwater drainage easements or onsite detention plan. **(§154.20(A)(2)(d)(11))**

☐ **3.12** Illustrate and annotate the location of all existing and proposed streets, sidewalks, alleys, and access points. **(§154.20(A)(2)(d)(12))**

☐ **3.13** Provide a vehicular circulation/ connectivity plan. **(§154.20(A)(2)(d)(13))**

☐ **3.14** Illustrate and annotate the location of all existing and proposed fire/emergency vehicle access lanes. **(§154.20(A)(2)(d)(14))**

☐ **3.15** Illustrate and annotate the location of all existing and proposed fire hydrants. **(§154.20(A)(2)(d)(14))**

B-2-4-3-2

Section 3 – General Plan Standards cont. *(check if provided: indicate NA if not applicable)*

☐ **3.16** Provide one hard copy of the plan.

- Hard copies are legible such that they can be clearly reproduced.
- Line types and weights are clearly identifiable in black and white and upon reproduction.

☐ **3.17** Sheet sizes shall be a 24" x 36" or 22"' x 34" black and white drawing in landscape view at a scale of 1-inch = 100 feet. **(§154.20(A)(2)(f))**

☐ **3.18** If submitting three or more sheets, provide a cover sheet with table of contents and a vicinity map that clearly shows the project's location.

- The vicinity map shall be at a scale such that it is easy to determine what part of the city the project is located (major road name(s)).

☐ **3.19** Title block on each page includes: the proposed subdivision name, phase(s), block numbers, lot numbers, current legal description, acreage, name/address of property owner, name/address of surveyor, name/address of engineer, date of survey, date of preparation, page content title.

☐ **3.20** A north arrow is required on all sheets and should be oriented either upward or to the right.

- Orient the plan sheets such that north is toward the top or left-hand side of the sheet.

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Preliminary Plat/ Revised Preliminary Plat Checklist

The following is a partial listing of requirements for Preliminary Plat and Revised Preliminary Plat applications as found in the City of Harker Heights' Code of Ordinances and policies. A completed checklist must be submitted with each application. All applications are required to be submitted via the City's online portal at https://www.mygovernmentonline.org/. Applications are only accepted on the dates indicated in the adopted annual intake calendar (https://harkerheights.gov/index.php/boards-and-commissions/planning-and-zoning/p-z-commission). Applicants shall indicate compliance with standards by checking the box adjacent to the standard. Failure to comply with standards could result in rejection of application, delay of preliminary plat/preliminary replat approval, and/or disapproval. This checklist is in accordance with §154.20(A)(1) and §154.21 of the City's Code of Ordinances.

Section 1 – General Provisions *(check if provided; indicate NA if not applicable)*

Please clarify the status of this Preliminary Plat / Revised Preliminary Plat (Plat) submittal:

☐ **1.1** A pre-application meeting with the City's Development Review Committee has been held for this Plat area. **(§154.20(A)(1)(a))**

Date of Meeting: _____.

☐ **1.2** A Concept Plan was previously approved /conditionally approved for this Plat area. **(§154.20(A)(2))**

Date of Approval: _____; Case Number: _____.

☐ **1.3** Concurrent filing of this Plat with a Concept Plan was approved in writing by the Planning & Development Director. **(§154.20(A)(2)(e))**

Date of Approval: _____.

☐ **1.4** This is a replat of a previously approved Preliminary Plat. **(§154.21(B))**

Name of original Preliminary Plat: _____.

Date original Preliminary Plat was approved: _____.

Change in the number of Lots from _____ to _____.

Section 1 – General Provisions cont. *(check if provided; indicate NA if not applicable)*

Proposed Change in infrastructure was deemed in writing a minor amendment by the Public Works Director. **(§154.21(B)(3))**

Date of Approval: _____.

☐ **1.5** Total area for this Plat is: _____(acres); _____ (square feet).

☐ **1.6** Current Zoning District(s) for this Plat area is:

_____.

☐ **1.7** Number of Lots/Tracts/Remainders Per respective Zoning District in this Plat area is:

_____.

Section 2 – Legal *(check if provided; indicate NA if not applicable)*

☐ **2.1** Provide a completed application form and fees. **(§154.20(B)(1-2))**

☐ **2.2** Provide proof of ownership for the Plat area. **(§154.20(A))**

- Copy of deed
- For businesses, non-profits, etc. provide signed documentation authorizing applicant to sign on behalf of the entity. **(§154.20(A)(6))**

☐ **2.3** Provide a copy of recorded documentation for existing easements.

Section 3 – General Plat Standards *(check if provided; indicate NA if not applicable)*

☐ **3.1** Illustrate and label all phases of development for land under the same ownership. **(§154.21(A))**

☐ **3.2** Provide two hard copies of the Plat and engineering drawings. **(§154.20(B)(3)(a) and §154.21 (C))**

- Hard copies are legible such that they can be clearly reproduced.
- Line types and weights are clearly identifiable in black and white and upon reproduction.
- Abandonments are indicated with shading or hatching and are labeled "To be abandoned by this plat.".
- ROW dedication is indicated with a unique shading or hatching and are labeled.

☐ **3.3** Plat is sealed by a Texas Licensed Professional Engineer or Texas Registered Professional Land surveyor. **(§154.21(C)(1))**

☐ **3.4** Sheet sizes shall be a 22" x 34" black and white drawing in landscape view at a scale of 1-inch = 100 feet. **(§154.21(C)(1))**

☐ **3.5** If submitting three or more sheets, provide a cover sheet with table of contents and a vicinity map that clearly shows the project's location. **(§154.21(C)(1)(a))**

- The vicinity map shall be at a scale such that it is easy to determine what part of the city the project is located (major road name(s)).

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Section 3 – General Plat Standards cont. *(check if provided; indicate NA if not applicable)*

- ☐ **3.6** Title block on each page includes: the proposed subdivision name, phase(s), block numbers, lot numbers, current legal description, acreage, name/address of property owner, name/address of surveyor, name/address of engineer, date of survey, date of preparation, page content title. **(§154.21(C)(1)(b) and §154.21(C)(1)(f))**
- ☐ **3.7** Index Sheet at 1-inch = 100 feet is provided if applicable. **(§154.21(C)(1)(c))**
- ☐ **3.8** Phasing Plan provided if applicable. **(§154.21(C)(1)(e))**
- ☐ **3.9** A north arrow is required on all sheets and should be oriented either upward or to the right. **(§154.21(C)(1)(n))**
  - Orient the plan sheets such that north is toward the top or left-hand side of the sheet.

Section 4 – Plat Standards *(check if provided; indicate NA if not applicable)*

- ☐ **4.1** Provide legal description, existing boundary, lot lines and right-of-way lines of streets and easements with accurate dimensions, bearings, deflection angles, radii, and central angles of all curves. **(§154.21(C)(1)(d))**
  - Label and illustrate all of the above items.
  - Provide field notes for the Plat.
  - Provide enough information for easements shall be such that they can be found in the field with the plans.
  - Label types and dimensions of easements (proposed, existing, utility, drainage, access, etc.)
- ☐ **4.2** Lot lines shall have line dimensions clearly displayed within the lot along with the lot's respective lot number. Groups of lots that are considered within a block shall have the block number clearly displayed. **(§154.21(C)(1)(f))**
- ☐ **4.3** All right-of-way lines and easements shall be clearly displayed on the plat. The plat shall clearly display the location, size and purpose of all existing and proposed easements on or adjoining the property. **(§154.21(C)(1)(g))**
- ☐ **4.4** Location of existing and proposed streets, alleys, bikeways, and sidewalks on or adjoining the site. Such information shall include name, right-of-way widths, type and width of surfacing. All private streets shall be clearly labeled. **(§154.21(C)(1)(h))**
- ☐ **4.5** Identify (illustrate and label) any areas reserved or dedicated for public use. **(§154.21(C)(1)(i))**
- ☐ **4.6** Identify (illustrate and label) easements and street stub-outs necessary to serve adjacent properties. **(§154.21(C)(1)(j))**
  - Refer to adjacent recorded plats, any recorded easements, the City's plans, the City's Thoroughfare plan, the City's sidewalk plan, the City's Hike and Bike plan and all of the City's various utility Master Plans. **(§154.21(C)(2)(D)(2-3))**
  - TXDOT required marginal access easement.
  - Provide field notes and other documents for offsite easement and/or R.O.W. dedication.
- ☐ **4.7** Adjacent property information including present ownership, legal descriptions (recorded volume and page or subdivision Lot and Block) and property lines within 100 feet. **(§154.21(C)(1)(k))**
  - This includes properties across the street from the plat area.

Section 4 – Plat Standards cont. *(check if provided; indicate NA if not applicable)*

- ☐ **4.8** Primary control points or descriptions and ties to such control points to which all dimensions, angles, bearings, and similar data shall be referred. **(§154.21(C)(1)(l))**
- ☐ **4.9** The plat shall be located with respect to a corner of the surveyor tract, or an original corner of the original survey of which it is a part. Temporary benchmarks and NGS datum shall be described on each sheet. **(§154.21(C)(1)(l))**
- ☐ **4.10** Scale, basis of bearing and benchmarks (datum) and description shall all be clearly displayed on the plat. **(§154.21(C)(1)(m))**

Section 5 – Engineering Drawing Standards *(check if provided; indicate NA if not applicable)*

- ☐ **5.1** Preliminary Engineering Drawings are sealed by a Texas Licensed Professional Engineer. **(§154.21(C)(2))**
- ☐ **5.2** Sheet sizes shall be a 22" x 34" black and white drawing in landscape view at a scale of 1-inch = 100 feet. **(§154.21(C)(2))**
- ☐ **5.3** Comply with the standards of design and requirements in the current edition of the North Central Texas Council of Governments' Standard Specifications for Public Works Construction and the City of Harker Heights' Code of Ordinances. **(§154.21(C)(2), and Title XV.)**
- ☐ **5.4** Title block on each page includes: the proposed subdivision name, phase(s), block numbers, lot numbers, current legal description, acreage, name/address of property owner, name/address of surveyor, name/address of engineer, date of survey, date of preparation, page content title. **(§154.21(C)(2)(a))**
- ☐ **5.5** All stationing should start from cardinal points of the compass and proceed in the direction of construction. **(§154.21(C)(1)(n))**
- ☐ **5.6** Designs conform with the City's engineering standards and specifications, City Ordinances, City Standards, City's plans, the City's Thoroughfare plan, the City's sidewalk plan, the City's Hike and Bike plan and all of the City's various utility Master Plans. **(§154.21(C)(2)(D)(2))**
  - Utilize standard engineering scales for the preliminary engineering drawings.
- ☐ **5.7** Provide a Water Layout Plan that includes rough locations and labeling of the following **(§154.21(C)(2)(b)):**
  - water service connections
  - pipe diameters
  - valve locations
  - fire hydrants
  - flush assemblies
- ☐ **5.8** Provide a Sewer Layout Plan that includes rough locations and labeling of the following **(§154.21(C)(2)(c)):**
  - sewer service connections
  - pipe diameters
  - cleanouts
  - manholes

Section 5 – Engineering Drawing Standards *(check if provided; indicate NA if not applicable)*

☐ **5.9** Provide a Street and Sidewalk Layout Plan that includes rough locations and labeling of the following **(§154.21(C)(2)(d)):**

- proposed street names
- roadway classification
- ROW width
- sidewalk width
- alley width (if applicable)
- access easements (passage, trash, etc.)
- fire lanes (if applicable)

☐ **5.10** Provide a Stormwater Drainage Layout Plan that includes rough locations and labeling of the following **(§154.21(C)(2)(e)):**

- Include elevation contours
- Pipes and inlets
- Channels and flumes
- Include FEMA special flood hazard area boundaries (if applicable), and FEMA base flood elevations (if applicable)
- Identify conceptual area for a detention basin (if applicable)
- Include drainage calculations for major drainage structures (if applicable)

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Final Plat/ Replat/ Minor Plat/ Amending Plat Checklist

The following is a partial listing of requirements for Final Plat, Replat, Minor Plat, and Amending Plat applications as found in the City of Harker Heights' Code of Ordinances and policies. A completed checklist must be submitted with each application. All applications are required to be submitted via the City's online portal at https://www.mygovernmentonline.org/. Applications are only accepted on the dates indicated in the adopted annual intake calendar (https://harkerheights.gov/index.php/boards-and-commissions/planning-and-zoning/p-z-commission). Applicants shall indicate compliance with standards by checking the box adjacent to the standard. Failure to comply with standards could result in rejection of application, delay of Final Plat, Replat, Minor Plat, and Amending Plat approval, and/or disapproval. This checklist is in accordance with §154.20(A)(1) and §154.22 of the City's Code of Ordinances.

Section 1 – General Provisions *(check if provided; indicate NA if not applicable)*

Please clarify the status of this Final Plat/Replat/Minor Plat/ Amending Plat (Plat) submittal:

☐ **1.1** A pre-application meeting with the City's Development Review Committee has been held for this Plat area. **(§154.20(A)(1)(a))**

Date of Meeting: _____.

☐ **1.2** A Concept Plan was previously approved /conditionally approved for this Plat area. **(§154.20(A)(2))**

Date of Approval: _____; Case Number: _____.

☐ **1.3** Concurrent filing of this Plat with a Concept Plan was approved in writing by the Planning & Development Director. **(§154.20(A)(2)(e))**

Date of Approval: _____.

☐ **1.4** A Preliminary Plat was previously approved /conditionally approved for this Plat area. **(§154.20(A)(3))**

Date of Approval: _____; Case Number: _____.

Section 1 – General Provisions cont. *(check if provided; indicate NA if not applicable)*

☐ **1.5** Concurrent filing of this Plat with a Preliminary Plat was approved in writing by the Planning & Development Director.

Date of Approval: _____.

☐ **1.6** This is a replat of a previously approved Final Plat.
Name of original Final Plat: _____.

Date original Final Plat was approved: _____.

Change in the number of Lots from _____ to _____.

☐ **1.7** Total area for this Plat is: _____(acres); _____ (square feet).

☐ **1.8** Current Zoning District(s) for this Plat area is:

_____.

☐ **1.9** Number of Lots/Tracts/Remainders Per respective Zoning District in this Plat area is:

_____.

Section 2 – Legal *(check if provided; indicate NA if not applicable)*

☐ **2.1** Provide a completed application form and fees. **(§154.20(B)(1-2))**

☐ **2.2** Provide proof of ownership for the Plat area. **(§154.20(A))**

- Copy of deed
- For businesses, non-profits, etc. provide signed documentation authorizing applicant to sign on behalf of the entity. **(§154.20(A)(6))**

☐ **2.3** Provide a copy of recorded documentation for existing easements.

Section 3 – General Plat Standards *(check if provided; indicate NA if not applicable)*

☐ **3.1** Provide an exact digital copy of the submitted/revised Final Plat. **(§154.20(B)(3)(c) and §154.20(B)(6))**

- DXF, DWG, or GIS Shapefile/feature class / coverage format.
- Based of State Plane 83 Texas South Central Zone 4204 coordinate system.

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Section 3 – General Plat Standards cont. *(check if provided; indicate NA if not applicable)*

- ☐ **3.2** Provide an exact digital copy, three full sized hard copy and a half-sized hard copy of the public infrastructure As-Built drawings. **(§154.20(B)(3)(c), §154.20(B)(6), and §154.25))**
  - DXF, DWG, or GIS Shapefile/feature class / coverage format.
  - Based of State Plane 83 Texas South Central Zone 4204 coordinate system.
  - All requirements stated in **§154.25** shall be met in the submitted as-builts.
- ☐ **3.3** Provide two hard copies of the Plat and engineering drawings. **(§154.20(B)(3)(b) and §154.22(B))**
  - Hard copies are legible such that they can be clearly reproduced.
  - Line types and weights are clearly identifiable in black and white and upon reproduction.
  - Abandonments are indicated with shading or hatching and are labeled "To be abandoned by this plat.".
  - ROW dedication is indicated with a unique shading or hatching and are labeled.
- ☐ **3.3** Plat is sealed by a Texas Licensed Professional Engineer or Texas Registered Professional Land surveyor. **(§154.22(B)(1))**
- ☐ **3.4** Sheet sizes shall be a 22" x 34" black and white drawing in landscape view at a scale of 1-inch = 100 feet. **(§154.21(B)(1))**
- ☐ **3.5** If submitting three or more sheets, provide a cover sheet with table of contents and a vicinity map that clearly shows the project's location. **(§154.22(B)(1)(a))**
  - The vicinity map shall be at a scale such that it is easy to determine what part of the city the project is located (major road name(s)).
- ☐ **3.6** Title block on each page includes: the proposed subdivision name, phase(s), block numbers, lot numbers, current legal description, acreage, name/address of property owner, name/address of surveyor, name/address of engineer, date of survey, date of preparation, page content title. **(§154.22(B)(1)(b))**
- ☐ **3.7** Index Sheet at 1-inch = 100 feet is provided if applicable. **(§154.22(B)(1)(d))**
- ☐ **3.8** A north arrow is required on all sheets and should be oriented either upward or to the right. **(§154.22(B)(1)(o))**
  - Orient the plan sheets such that north is toward the top or left-hand side of the sheet.

Section 4 – Plat Standards *(check if provided; indicate NA if not applicable)*

- ☐ **4.1** Provide legal description, existing boundary, lot lines and right-of-way lines of streets and easements with accurate dimensions, bearings, deflection angles, radii, and central angles of all curves. **(§154.22(B)(1)(c), §154.22(B)(3) and §154.26)**
  - Label and illustrate all of the above items. This includes current and proposed configurations for replats, minor plats and amending plats.
  - The applicant will furnish the city with a signed, original copy of the dedication, resolution, and field notes.
  - Provide enough information for easements shall be such that they can be found in the field with the plans.
  - Label types and dimensions of easements (proposed, existing, utility, drainage, access, etc.)
- ☐ **4.2** Lot lines shall have line dimensions clearly displayed within the lot along with the lot's respective lot number. Groups of lots that are considered within a block shall have the block number clearly displayed. **(§154.22(B)(1)(e))**

Section 4 – Plat Standards cont. *(check if provided; indicate NA if not applicable)*

- ☐ **4.3** All right-of-way lines and easements shall be clearly displayed on the plat. The plat shall clearly display the location, size, and purpose of all existing and proposed easements on or adjoining the property. **(§154.22(B)(1)(f))**
- ☐ **4.4** Location of existing and proposed streets, alleys, bikeways, and sidewalks on or adjoining the site. Such information shall include name, right-of-way widths, type and width of surfacing. All private streets shall be clearly labeled. **(§154.22(B)(1)(g))**
- ☐ **4.5** Identify (illustrate and label) any areas reserved or dedicated for public use. **(§154.22(B)(1)(h))**
- ☐ **4.6** Provide notes addressing how lots with low wastewater service tolerances will be served. **(§154.22(B)(1)(i))**
- ☐ **4.7** Delineation of the Federal Emergency Management Association (FEMA) Special Flood Hazard Area as well as any hazards from adjacent detention facilities or as required by the city. **(§154.22(B)(1)(j))**
- ☐ **4.8** Identify (illustrate and label) easements and street stub-outs necessary to serve adjacent properties. **(§154.22(B)(1)(k))**
  - Refer to adjacent recorded plats, any recorded easements, the City's plans, the City's Thoroughfare plan, the City's sidewalk plan, the City's Hike and Bike plan and all of the City's various utility Master Plans. **(§154.21(C)(2)(D)(2-3))**
  - TXDOT required marginal access easement.
  - Provide field notes and other documents for offsite easement and/or R.O.W. dedication.
- ☐ **4.9** Adjacent property information including present ownership, legal descriptions (recorded volume and page or subdivision Lot and Block) and property lines within 100 feet. **(§154.22(B)(1)(l))**
  - This includes properties across the street from the plat area.
- ☐ **4.10** Primary control points or descriptions and ties to such control points to which all dimensions, angles, bearings, and similar data shall be referred. **(§154.22(B)(1)(m))**
- ☐ **4.11** The plat shall be located with respect to a corner of the surveyor tract, or an original corner of the original survey of which it is a part. Temporary benchmarks and NGS datum shall be described on each sheet. **(§154.22(B)(1)(m))**
- ☐ **4.12** Scale, basis of bearing and benchmarks (datum) and description shall all be clearly displayed on the plat. **(§154.22(B)(1)(n))**
- ☐ **4.13** Provide the minimum building setback lines on all lots and other sites. **(§154.22(B)(1)(p))**
- ☐ **4.14** All Final Plats, Replats, Minor Plats and Amending Plats shall have affixed to the first page of the plat sheets to be recorded a surveyor's certificate, in the following format **(§154.22(B)(1)(q)(1))**:

KNOW ALL MEN BY THESE PRESENTS:

That I, _____, do hereby certify that I prepared this plat from an actual and accurate survey of the land and that the corner monuments shown thereon were properly placed under my personal supervision, in accordance with the Subdivision and Property Development Regulations of the City of Harker Heights, Texas.

_____
Signature

_____
Texas Reg. No.

Section 4 – Plat Standards cont. *(check if provided; indicate NA if not applicable)*

☐ **4.15** All Final Plats and conditionally approved Final Plats, Replats, Minor Plats and Amending Plats shall have affixed to the first page of the plat sheets to be recorded a certificate of approval by the Planning and Zoning Commission, in the following format **(§154.22(B)(1)(q)(3))**:

Approved this_____day of _____, _____, by the Planning and Zoning Commission of the City of Harker Heights, Texas.

_____

Chairperson, Planning and Zoning Commission

_____

Secretary, Planning and Zoning Commission

☐ **4.16** All Final Plats and conditionally approved Final Plats, Replats, Minor Plats and Amending Plats shall have affixed to the first page of the plat sheets to be recorded a certificate of approval by the City Council, in the following format **(§154.22(B)(1)(q)(4))**:

Approved this_____day of _____, _____, by the City Council of the City of Harker Heights, Texas.

_____

Mayor

_____

City Secretary

☐ **4.17** All Replats, Minor Plats and Amending Plats without conditional approval shall have affixed to the first page of the plat sheets to be recorded a certificate of approval by the Director of Planning and Development, in the following format **(§154.22(B)(1)(q)(5))**:

Approved this_____day of _____, _____, by the Director of Planning and Development of the City of Harker Heights, Texas.

_____

Director of Planning and Development

_____

City Secretary

☐ **4.18** All Final Plats, Replats, Minor Plats and Amending Plats shall have affixed to the first page of the plat sheets to be recorded a tax certificate block, in the following format **(§154.22(B)(1)(q)(6))**:

The Bell County Tax Appraisal District, the taxing authority for all entities in Bell County, Texas, does hereby certify that there are currently no delinquent taxes due or owing on the property described by this plat.

Dated this _____ day of _____, _____, A.D.

Bell County Tax Appraisal District

By: _____

☐ **4.19** All Final Plats, Replats, Minor Plats and Amending Plats shall have affixed to the first page of the plat sheets to be recorded a recordation block, in the following format **(§154.22(B)(1)(q)(7))**:

FILED FOR RECORD this _____ day of _____, _____, in Cabinet _____, Slide(s)_____, Plat Records of Bell County, Texas. Dedication instrument in Instrument # _____, Deed Records of Bell County, Texas.

Section 4 – Plat Standards cont. *(check if provided; indicate NA if not applicable)*

☐ **4.20** An original certificate of ownership and of dedication of all streets, alleys, easements, and lands to public use forever, signed and acknowledged before a notary public by the owner of the land, shall appear on the face of the Plat, containing complete and accurate description of the property being platted and public dedications. **(§154.22(B)(1)(q)(2))**

Section 5 – Engineering Drawing Standards *(check if provided; indicate NA if not applicable)*

☐ **5.1** Preliminary Engineering Drawings are sealed by a Texas Licensed Professional Engineer. **(§154.22(B)(2))**

☐ **5.2** Sheet sizes shall be a 22" x 34" black and white drawing in landscape view at a scale of 1-inch = 100 feet. **(§154.22(B)(2))**

☐ **5.3** Comply with the standards of design and requirements in the current edition of the North Central Texas Council of Governments' Standard Specifications for Public Works Construction and the City of Harker Heights' Code of Ordinances. **(§154.22(B)(2), §154 and Title XV.)**

☐ **5.4** Title block on each page includes: the proposed subdivision name, phase(s), block numbers, lot numbers, current legal description, acreage, name/address of property owner, name/address of surveyor, name/address of engineer, date of survey, date of preparation, page content title. **(§154.22(B)(2)(a))**

☐ **5.5** Lot layout with the area in square feet of each proposed lot annotated. **(§154.22(B)(2)(b))**

☐ **5.6** Provide a Water Layout Plan and details that include locations and labeling of the following **(§154.22(B)(2)(c)):**

- water service connections
- pipe diameters
- valve locations
- fire hydrants
- flush assemblies

☐ **5.7** Provide fire flow and water design sealed explanation and verification that proves fire flow and designed flow that meets state regulatory and technical code requirements can be provided. **(§154.22(B)(2)(c))**

☐ **5.8** Provide a Sewer Layout Plan and profiles that includes details, specifications, and locations and labeling of the following **(§154.22(B)(2)(d) and §154.22(B)(2)(r)):**

- sewer service connections
- pipe diameters
- cleanouts
- manholes & special manholes

☐ **5.9** Provide wastewater system design and lift station capacity sealed explanation and detailed engineering verification that proves designed flow that meets state regulatory and technical code requirements can be serviced. **(§154.22(B)(2)(d))**

Section 5 – Engineering Drawing Standards cont. *(check if provided; indicate NA if not applicable)*

☐ **5.10** Provide Street Plan and profiles that includes paving details, a traffic control plan, and locations and labeling of the following **(§154.21(C)(2)(d)):**

- 9-1-1 approved street names
- roadway classification
- ROW width
- sidewalk width
- alley width (if applicable)
- access easements (passage, trash, etc.)
- fire lanes (if applicable)
- Major thoroughfare plans and profiles shall be drawn at a scale of one inch equals two feet vertically and one inch equals 20 feet horizontally. Minor streets and easement plans and profiles shall be drawn at a scale of one inch equals five feet vertically and one inch equals 50 feet horizontally or one inch equals four feet vertically and one inch equals 40 feet horizontally. Label each plan sheet as to street widths, right-of-way widths, pavement width and thickness, type of roadway materials, curbs, intersection radii, curve data, stationing, existing utilities type and location. Stationing must run from left to right, except for short streets or lines originating from a major intersection where the full length can be shown on a single plan and profile sheet. **(§154.22(B)(2)(m))**

☐ **5.11** Provide a street light layout. **(§154.22(B)(2)(f))**

☐ **5.12** Display natural ground profiles of each right-of-way or easement line. Centerline profiles will be satisfactory for right-of-way or easements, except where there is a difference of 0.50 foot or more from one right-of-way or easement line to the other line measured parallel at any point along the right-of-way or easement. **(§154.22(B)(2)(g))**

☐ **5.13** Provide a Stormwater Drainage Plan that includes locations and labeling of the following **(§154.22(B)(2)(h-k), §154.22(B)(2)(q) and §154.22(B)(2)(r)):**

- Storm water plan and profiles of culverts and channels with specifications and details.
- A grading plan with two-foot contours with delineated drainage basins. Existing contours at intervals of two feet for grades up to 5% and not more than five feet for grades over 5%;
- A drainage/ stormwater design sealed explanation and detailed engineering verification for all stormwater infrastructure that proves no adverse impact and that meets federal & state regulatory requirements, Chapter 158, the adopted Drainage Design Criteria, and technical code requirements.
- A grading, erosion, and sedimentation control plan.
- Details for all stormwater structures to include but not limited to flow line elevations, directional flow, ponds, channels, gully crossings, streams, etc.
- Include FEMA special flood hazard area boundaries (if applicable), FEMA base flood elevations (if applicable), watercourses, railroads, and other physical features on or adjacent to the site.

☐ **5.14** Illustrate and annotate the location and size of all existing and/or proposed city utilities, and all others where known. All city utility lines six inches in diameter or larger within the right-of-way shall be shown on the profile view. All utility lines, regardless of size, should be shown in the plan view, where known. **(§154.22(B)(2)(l))**

Section 5 – Engineering Drawing Standards cont. *(check if provided; indicate NA if not applicable)*

☐ **5.15** Texas Department of Transportation (TXDOT) approvals for driveway and drainage into their jurisdiction, if applicable. **(§154.22(B)(2)(n))**

☐ **5.16** Illustrate and annotate existing conditions such as marshes, wooded areas, buildings, and other significant features. **(§154.22(B)(2)(o))**

☐ **5.17** Illustrate and annotate significant features on adjacent properties such as slopes, structures, and power lines. **(§154.22(B)(2)(p))**

☐ **5.18** Designs conform with the City's engineering standards and specifications, City Ordinances, City Standards, City's plans, the City's Thoroughfare plan, the City's sidewalk plan, the City's Hike and Bike plan and all of the City's various utility Master Plans. **(§154.22(C)(2) and §154.22(B)(2)(r)):**

- Utilize standard engineering scales for the preliminary engineering drawings.
- For special structures and standard details use vertical and horizontal scales that are equal to each other.

☐ **5.19** Station all points of curvature (P.C.'s), point of tangency (P.T.'s) radius returns and grade change point of intersection (P.I.'s) in the profile with their respective elevations. **(§154.22(B)(2)(r))**

Section 6 – Other Requirements (*check if provided; indicate NA if not applicable)*

☐ **6.1** Provide a guarantee of performance, a local unconditional letter of credit, or performance bond for all portions of public infrastructure construction that are not completed at the time of Plat submittal. **(§154.22(B)(4), and §154.23)**

- Sealed Engineer's detailed Opinion of Probable Cost
- Construction Plans for public infrastructure that have been released for construction by the City.

☐ **6.2** Provide any special zoning requirements for those lots within the current City Limits. **(§155)**

- This is typically for parcels with conditional use permits, planned development zoning, or for those within the City's Overlay District.

Herbicide and Pesticide

Operations and Maintenance Procedures

Developed July 2012

Goal: License all herbicides and pesticide applicators. Safely apply products according to manufacturer directions with great care for the people it may contact and the environment.

Steps

1) Read label of product before mixing.
2) Wear Personal Protective Equipment (PPE)
    a. Respirator
    b. Chemical resistant gloves
    c. Goggles
    d. Apron
    e. Long sleeve shirts, pants and safety boots
3) Mix Chemicals in a well-ventilated area according to Label instructions
4) Only mix enough chemical to do the area needed.
5) Document the amount of chemical used.
6) Print the local weather report on the day of application.
    a. Do not apply in high winds.
7) Document the area treated.
8) Place all documentation in the herbicide folder located at 220 E. Kathy Dr.
9) Apply chemical according to product directions.
10) Clean equipment immediately following product application.
11) Remove PPE and clean with soap and water for next use.
12) Store PPE in Proper location.
13) Wash hands and face with warm soapy water before doing anything else.

Storm Water Management Program
Street Sweeper Standard Operating Procedure

The City of Harker Heights is committed to maintaining good housekeeping practices throughout the City. One area of concern is Street, Road and Highway maintenance. The goal is to reduce pollutant runoff from municipal operations.

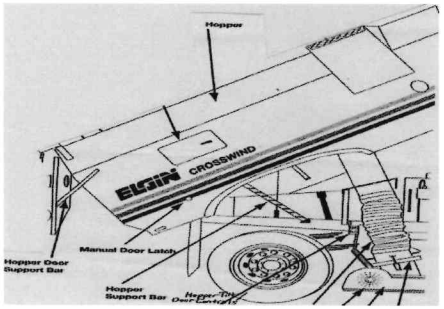
Street Sweeper Operation

The Street Sweeper is used to remove debris, dirt and other objects that may be found throughout a city streets, roads or highways. The street sweeper operates in areas of the City determined by the Storm Water Coordinator.

This procedure shows how to handle street sweeper residuals when dumping the hopper.
The street sweeper hopper must be emptied after every use and whenever the full load indicator comes on. The full indicator is located in the cab of truck on the control panel. The City property at the north end of Amy Lane is the approved sweeper dump site.

Street Sweeper Dumping

1. The Street Sweeper is to be taken to the approved dump sight.
2. Park the sweeper on solid level surfaces.
3. Set the parking brake.
4. With the auxiliary engine running press the hopper door open button located above right rear tire hold it until the door is completely open.
5. Place door prop in place to prevent the hopper door from closing.



6. Press the hopper up switch hold it until hopper reaches its highest point. The debris in hopper will discharge.
7. Press the hopper down switch hold until hopper is down completely.
8. Release parking break and move the sweeper out of the way.

9. Pick up any paper, plastic or larger debris and place in an approved waste container.

Street Sweeper Wash Down

1. Sweeper must be taken to an approved wash down area.
2. Set the parking brake.
3. Press the hopper up switch hold it until hopper reaches its highest point.
4. Place hopper support bar in position to block the hopper from lowering.
5. Use high pressure hose to wash out all debris from hopper.
6. Remove hopper support bar.
7. Press the hopper down switch hold until hopper is down completely.
8. Remove door prop.
9. Press hopper door close button hold until door is completely closed.
10. Pick up any paper, plastic or larger debris and place in an approved waste container.
11. Wash down the concrete pad into the sedimentation area.

A silt fence will be installed and maintained along the southern boundary of the property to keep runoff from entering Nolan Creek. The sediment trap in the wash down area will be cleaned periodically.

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
Texas Pollutant Discharge Elimination System
Stormwater Multi-Sector General Permit

The No Exposure Certification (NEC) for the facility listed below was received on August 17, 2021. The intent to obtain a conditional exclusion from permit requirements by certifying that there is no exposure of industrial materials or activities to precipitation or runoff, as allowed in the Texas Pollutant Discharge Elimination System (TPDES) stormwater Multi-Sector General Permit (MSGP) TXR050000, is acknowledged. Your facility's unique TPDES MSGP stormwater authorization number is:

TXRNEAO82
Coverage Effective: August 24, 2016
Sector: T Primary SIC code: 9511

TCEQ's stormwater MSGP requires that facilities authorized under this general permit based on having no exposure of industrial activities to ensure that industrial activities and materials are isolated from stormwater and stormwater runoff by storm resistant shelters. As a facility authorized to discharge under the stormwater MSGP, all applicable terms and conditions related to this conditional exclusion must be complied with to maintain coverage and avoid possible penalties. If this facility changes operating or management practices so as to result in exposure of industrial activities to stormwater, then the operator must obtain permit coverage to discharge storm water before implementing the changes that result in exposure of industrial activities to stormwater runoff.

Facility/Site Information:
RN101920395
Wastewater Treatment Plant
430 Pecan Dr
Harker Heights, TX 76548
Bell County

Operator:
CN600509277
City of Harker Heights
305 Millers Xing
Harker Heights, TX 76548

The MSGP and all authorizations expire on August 14, 2026, unless otherwise amended. If you have any questions related to your application, you may contact the Stormwater Processing Center by email at SWPERMIT@tceq.texas.gov or by telephone at (512) 239-3700. For technical issues, you may contact the stormwater technical staff by email at SWGP@tceq.texas.gov or by telephone at (512) 239-4671. Also, you may obtain information on the TCEQ web site at https://www.tceq.texas.gov/goto/wq-dpa.

Issued Date: August 17, 2021

FOR THE COMMISSION

B-2-5-3

Harker Heights
The Bright Star Of Central Texas

Texas Pollutant Discharge Elimination Systems (TPDES)

Industrial Stormwater General Permit (TXR 050000)

Stormwater Pollution Prevention Plan (SWP3)

CITY OF HARKER HEIGHTS WWTP
430 Pecan Drive
Harker Heights, TX 76548

September 14, 2023

Prepared By:

THONHOFF CONSULTING ENGINEERS, INC.
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512-328-6736
512-328-6848
www.TCEtx.com
Firm Registration No.: F-002921

Robert H. Thonhoff, Jr., P.E.

Job No. 23019.1.100

Plan Certification and Signatory Requirements

All reports and certification shall be signed by an authorized individual and in the manner required by Title 30 TAC §305.128 (relating to Signatories to Reports). The SWP3 must be signed and certified by an authorized representative of the facility. Without a signature from an authorized facility representative, the SWP3 in considered non-compliant with the MSGP permit.

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

Signature

Michael D. Blomquist
Name

Mayor
Title

September 14, 2023
Date

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- Annual Comprehensive Site Report
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- Quarterly Visual Monitoring Report
- Sampling, Record Keeping and Reporting Guide
- Discharge Monitoring Report (DMR)
- Benchmark Monitoring Form
- Hazardous Metals Monitoring Waiver Form

Appendix F – Records

- Weather Monitoring Log
- Quarterly Inspection Report
- Structural Control Maintenance
- Spill Cleanup Materials and Equipment: Inventory Sheet
- Spill Prevention and Response: List Sheet

1.0 INTRODUCTION

1.1 PURPOSE

The purpose of this Stormwater Pollution Prevention Plan (SWP3) is to identify and implement structural and non-structural controls that will reduce adverse impacts caused by storm water discharges to the environment as stormwater runoff from industrial facilities can be significant contributors to water quality problems.

Development, implementation, and maintenance of the SWP3 will provide the City of Harker Heights with the tools to reduce pollutants contained in storm water discharges and comply with the requirements of the Texas Pollutant Discharge Elimination System (TPDES) Multi Sector General Permit (MSGP) issued by the State of Texas (Permit No. TXR050000) in accordance with the Clean Water Act of 1972.

The information included within this report in no way relieves the permittee from compliance with all regulations of the TPDES MSGP and any amendments to the permit. The SWP3 must be modified whenever necessary to address changing conditions at the site.

1.2 AVAILABILITY

The SWP3 must be maintained onsite and made readily available for review upon request by authorized by representatives of the Environmental Protection Agency (EPA) and the Texas Commission on Environmental Quality (TCEQ) for the State of Texas as well as any local pollution control agency with jurisdiction. The Operator shall retain this SWP3, inspection and maintenance reports, plan modifications and related documentation required by the MSGP and shall be retained on site for a minimum period of 3 years.

1.3 COMPLIANCE WITH OTHER PROGRAMS

NPDES Authorized Water Discharges:

Stormwater Permit TXRNEAO82 - Conditional Non-Exposure Exclusion (NEC)
Approved 8/19/16
NEC Renewal Approved 8/17/21

Wastewater Permit WQ0010155001 renewal approved 7/26/2019

1.4 LIMITATIONS ON PERMIT COVERAGE

Authorization under the MSGP permit may be suspended or revoked for cause. Failure to comply with any permit condition is a violation of the permit and the statutes under which it was issued, and is grounds for enforcement action, revoking coverage under this general permit, or requiring the permittee to apply for and obtain an individual TPDES permit or alternative general permit.

1.4.1 ELIGIBLE NON-STORMWATER DISCHARGES

The following are Non-Stormwater discharges authorized under this permit.

TABLE 1. ANALYSIS OF ALLOWABLE NON-STORM WATER DISCHARGES

Non-Storm Water Discharges Allowable Under the MSGP	Potential Non-Storm Water Discharges at the Facility
Discharges from emergency firefighting activities	Unanticipated except during emergencies
Uncontaminated fire hydrant flushings (excluding discharges of hyperchlorinated water, unless the water is first dechlorinated and discharges are not expected to adversely affect aquatic life	Flushing and maintenance of fire water system.
Potable water sources (excluding discharges of hyperchlorinated water, unless the water is first dechlorinated and discharges are not expected to adversely affect aquatic life)	Minor sources at outdoor water spigots
Lawn watering and similar irrigation drainage, provided that all pesticides, herbicides and fertilizer have been applied in accordance with the approved labeling	Occasional
Water from routine external washing of buildings, conducted without the use of detergents or other chemicals	Occasional
Water from the routine washing of pavement conducted WITHOUT the use of detergents or other chemicals and where spills or leaks of toxic or hazardous materials have not occurred (unless all spilled material has been removed)	Occasional
Uncontaminated air conditioner condensate, compressor condensate, and steam condensate, and condensate from the outside storage of refrigerated gases or liquids	Minimal

Non-Storm Water Discharges Allowable Under the MSGP	Potential Non-Storm Water Discharges at the Facility
Water from foundation or footing drains where flows are not contaminated with pollutants (e.g., process materials, solvents, and other pollutants);	Not anticipated
Uncontaminated water used for dust suppression	Not anticipated
Springs and other uncontaminated ground water	Not anticipated
Incidental windblown mist from cooling towers that collects on rooftops or adjacent portions of the facility, but excluding intentional discharges from the cooling tower (e.g., "piped" cooling tower blowdown or drains)	Not Applicable
Other discharges described in Part V of the MSGP that are subject to effluent guidelines and effluent limitations	Not anticipated

1.4.2 Prohibition of Non-Stormwater Discharges

Only discharges that are composed entirely of stormwater may be authorized under the permit. Prohibited discharges include:

- Discharge of sanitary wastewater
- Discharge of industrial wastewater
- Discharge of discharges from construction activities
- Discharges of stormwater mixed with non-stormwater
- Discharges that would cause or contribute to a violation of water quality standards, or that would fail to protect and maintain existing designated uses of Nolan Creek
- Any materials or substances that can be entrained in stormwater or have the potential to become airborne
- Discharges that would adversely affect a listed endangered or threatened aquatic or aquatic- dependent species or its critical habitat
- Equipment and vehicle wash water
- Fuels, oils, or other pollutants used in vehicle equipment operation and maintenance.
- Soaps or solvents used in treatment works, vehicle and equipment washing.
- Toxic or hazardous substances from a spill or other release.
- Discharge water from dewatering operations directly into any live or intermittent stream, channel, wetlands, surface water or any storm sewer.

1.5 PROTECTION OF STREAMS AND WATERSHEDS BY HOME-RULE MUNICIPALITIES

The MSGP does not limit the authority of a home-rule municipality provided by the Texas Local Government Code §401.002.

1.6 DISCHARGES TO SPECIFIC AND WATER QUALITY AREAS

Discharges of stormwater associated with industrial activity and other non-stormwater discharges may not be authorized by this MSGP where prohibited by 30 TAC Chapter 311 (relating to Watershed Protection) for water quality areas and watersheds.

1.7 TRANSFER OF LIABILITY

The MSGP does not transfer liability for the act of discharging without, or in violation of, a NPDES or a TPDES permit from the operator of the discharge to the permittee(s).

1.8 FORCE MAJEURE

Nothing in Part II of the general permit is intended to negate any person's ability to assert the force majeure (act of God, war, strike, riot, or other catastrophe) defenses found in 30 TAC §70.7.

1.9 PROPER OPERATION AND MAINTENANCE

Need to Halt or Reduce Not a Defense. It is not a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of the MSGP.

Duty to Mitigate. The permittee shall take all reasonable steps to minimize or prevent any discharge or other permit violation that has a reasonable likelihood of adversely affecting human health or the environment.

Anticipated Non-compliance. The permittee shall give advance notice to the executive director of any planned changes in the permitted facility or activity that may result in non-compliance with permit requirements.

1.9.1 OPERATION OF TREATMENT AND CONTROL SYSTEMS

The permittee shall at all times ensure that the facility and all of its systems of collection, treatment, and disposal are properly operated and maintained in a manner that will minimize discharges of excessive pollutants and will achieve compliance with the conditions of the MSGP. Proper operation and maintenance also include adequate laboratory controls and appropriate quality assurance procedures.

This provision requires the operation of backup or auxiliary systems that are installed by a permittee only when the operation is necessary to achieve compliance with the conditions of this permit.

The permittee shall provide an adequate operating staff that is duly qualified to carry out operation, maintenance, and testing functions required to ensure compliance with the conditions of the MSGP.

1.9.2 Non-compliance Notification

According to 30 TAC §305.125(9) any non-compliance that may endanger human health or safety, or the environment, must be reported by the permittee to the TCEQ. Report of such information must be provided orally or by electronic facsimile transmission (fax) to the TCEQ regional office within 24 hours of becoming aware of the non-compliance.

A written report must be provided by the permittee to the TCEQ regional office and to the TCEQ Enforcement Division (MC- 224) within five working days of becoming aware of the non-compliance. The written report must contain:

- Description of the non-compliance and its cause;
- The potential danger to human health or safety, or the environment;
- Period of non-compliance, including exact dates and times;
- If the non-compliance has not been corrected, the anticipated time it is expected to continue; and steps taken or planned to reduce, eliminate, and prevent recurrence of the non-compliance, and to mitigate its adverse effects.

2.0 FACILITY INFORMATION

2.1 FACILITY IDENTIFICATION AND LOCATION

Permitee:	City of Harker Heights
TCEQ CN:	600509277
Address:	430 Pecan Drive, Harker Heights, TX 76548-2446
Lat / Long:	31.091666 N / -97.655277 W
TCEQ RN:	101920395
SIC Code:	4952
Permit Sector:	TW
Permit Number:	TXR05GF35

2.2 SITE DESCRIPTION

The site is an existing publicly owned wastewater treatment facility bordered by the access road Pecan Drive. The fenced and gated facility includes treatment areas, buildings, curbs, pavement and grassy areas. Vegetated areas surround the perimeter of the fenced facility.

2.3 FACILITY ACTIVITIES

The wastewater treatment facility process municipal wastewater from the City of Harker Heights. Treatment units includes a headworks facility including mechanical bar screens and fine screens, raw wastewater pump station, aeration basins, final clarifiers, ultraviolet disinfection, post aeration, aerobic digester, sludge thickener, belt filter presses and sludge drying bed.

Solids from the belt press filter press are disposed of off site. Treated effluent plant is discharged from the permitted outfall located north of the facility on Nolan Creek.

2.4 SWP3 TEAM MEMBERS AND RESPONSIBILITIES

The SWP3 coordinator for the facility duties includes the following:

- Implement the SWP3 plan;
- Oversee maintenance practices identified as BMPs in the SWP3;
- Implement and oversee employee training;
- Conduct or provide for inspection or monitoring activities;
- Identify other potential pollutant sources and make sure they are added to the plan;
- Identify any deficiencies in the SWP3 and make sure they are corrected;
- Prepare and submit reports; and
- Ensure that any changes in facility operation are addressed in the SWP3.

TABLE 2. SWP3 TEAM ROSTER

Name and/or Title	Responsibility
Billy Cude Wastewater Superintendent	Plant Manager / Operator Implementation and Maintenance of BMPs Housekeeping Incoming and Daily Inspections Routine and Quarterly Inspections Visual Wet Weather Observations Collection of Storm Water Samples Spill Response Coordinator Employee Training Record Keeping / Reporting TCEQ Delegation of Authority (signatures)
Mark Hyde Director of Public Works	SWP3 / Environmental Health Safety Coordinator Annual Comprehensive Site Compliance Review Annual SWP3 Review and Update TCEQ Delegation of Authority (signatures)
Leslie Stevens Assistant Plant Operator	Alternate Spill Response Coordinator

3.0 DRAINAGE

3.1 RECEIVING WATERS, WETLANDS AND ENDANGERED SPECIES

The elevation of the site is higher than surrounding terrain. Sheetflow drains away from the facility towards Nolan Creek Seg 1218. Nolan Creek flows through central Bell County to its mouth on the Leon River, two miles east of Belton.

Segment 1218 Nolan Creek/ South Nolan Creek is listed in 2022 Texas Integrated Report of Surface Water Quality Integrated Report 303(d) List with an impairment category of 5c - Bacteria in water (Recreation Use).

According to the US Fish and Wildlife Service National Wetlands Inventory Map, there are wetlands located along Nolan Creek. HU8 # 12070201 classifies these areas as Riverine and Freshwater Forested / Shrub wetlands.

There were no critical habitat(s) identified in the U.S. Fish and Wildlife (USFWS) Critical Habitat Portal for the occurrence of threatened, endangered, and candidate listed species for the facility area. The USFWS lists 6 federal threatened and endangered species in Bell County; Texas Parks and Wildlife lists 15 state threatened and endangered species.

3.2 FLOODPLAIN

According to the FEMA NFHL, the facility is located in Zone AE - 1% Annual Chance Flood Hazard and Regulatory Floodway. Base Flood Elevations (BFE) at the site and surrounding area range from 726 to 728 ASL. All treatment units have top of wall elevations at a minimum of 1 foot above the BFE.

3.3 SITE MAPS

Facility maps which include the site plan with treatment areas, grading plan, location, topography, drainage, wetlands, receiving waters and floodplains are included in ***Appendix C***.

3.4 STORMWATER POTENTIAL DISCHARGE

The potential discharge does not flow to a municipal separate storm sewer system (MS4). Stormwater from the facility is not expected to adversely impact the receiving water bodies. All process chemicals utilized at the facility are stored under cover, are enclosed in buildings, or are contained in structures. All process treatment units not covered by storm resistant shelters such as the clarifiers are designed to capture and process stormwater as influent. All sludge processing and treatment areas are contained and equipped with drains and sumps that are routed back to the headworks for treatment in order to capture any spills.

In addition, the site is equipped with an emergency generator to ensure the treatment equipment and basins will continue to function properly during outages or other emergencies.

3.5 OUTFALLS

- Outfall 1 - 31.091882° / -97.654184° (Northeast edge of property)
- Outfall 2 - 31.091205° / -97.654430° (Southeast edge of property)
- Outfall 3 - 31.091380° / -97.655235° (South culvert near roadway)

4.0 IDENTIFICATION OF POTENTIAL STORM WATER CONTAMINANTS

4.1 INVENTORY OF EXPOSED MATERIALS

The following is a list of exposed materials throughout the facility that may be exposed to precipitation or runoff and potentially contaminate storm water: The inventory must be updated within 30 days following a significant change in the types of materials that are exposed to precipitation or runoff, or significant changes in material management practices that may affect the exposure of materials to precipitation or runoff.

TABLE 3. EXPOSED MATERIALS / INVENTORY AND POTENTIAL POLLUTANTS

Material	Quantity	Storage Location or Activity	Control	Specific Pollutant(s)
Dried sludge from domestic wastewater	None under normal operating conditions	Sludge drying beds are not used on a regular basis. The belt filter press area is where sludge is loaded onto trucks for transport off site and may spill during loading process.	Enclosed shelter, trenches and sump drains	BOD, TSS, Pathogens, Ammonia, Nitrogen (TKN)
Sanitary sewer system leak or overflow	None under normal operating conditions	Manholes and underground piping may leak or overflow	Emergency generators, flow control valves	BOD, TSS, Pathogens, Ammonia, Nitrogen (TKN)
Aeration Basins and Sludge Thickener	None under normal operating conditions	Open treatment units	Concrete containment walls, rainfall processed as influent, emergency generators, flow control valves	BOD, TSS, Pathogens, Ammonia, Nitrogen (TKN)
Clarifiers	None under normal operating conditions	Open treatment units	Concrete containment walls, rainfall processed as influent, drains, emergency generators, flow control valves	BOD, TSS, Pathogens, Ammonia, Nitrogen (TKN)

Material	Quantity	Storage Location or Activity	Control	Specific Pollutant(s)
Washwater	Varies, estimated to be 5 to 200 gpm	Buildings and paved areas	Nonpotable water is UV disinfected prior to use. Roadway sloped to sump drain	Spilled products
Petroleum, Oils and Lubricants	Small quantities	Parking areas and roadways. Equipment and vehicles have the potential to leak small qualities while parked.	Paving and curbs. Vehicle maintenance is not conducted at the facility	Fuel, oil, hydraulic fluids, coolants
Fertilizer	Small quantities	Vegetated areas	Vegetative buffers surround the facility	Phosphorus, Nitrogen
Trash	None under normal operating conditions	It is possible that some waste might be spilled outside of the container by accident or become airborne during windy conditions.	The facility is equipped with a covered dumpster to protect the contents from exposure to rainfall. Trash dumpster is emptied weekly.	Solid waste
Sediment	unknown	Various areas	The site is well vegetated and constructed to reduce run on and erosion.	Dust generated could be carried out during a rain or wind storm event.

5.0 STORMWATER POLLUTION PREVENTION MEASURES AND CONTROLS

5.1 CORE BEST MANAGEMENT PRACTICES

Best Management Practices, (BMPs) help eliminate or minimize the presence of pollutants in stormwater discharges from facility activities in areas exposed to precipitation or runoff.

TABLE 4. BEST MANAGEMENT PRACTICES AND IMPLEMENTATION SCHEDULE

Pollutant source area or activity	Core BMPs
Entire Site	• Maintain an updated SWP3 and ensure each staff member is familiar with the plans and its location. • Inspect the site daily. • Inspect all equipment and treatment works for leaks, spills, and malfunctioning, worn or corroded parts. • Repair malfunctioning equipment and structural controls that is the source of any leak or spill as soon as possible. • Keep spill clean-up equipment and an adequate supply of clean-up materials at locations where spills are most likely to occur. Clearly mark and label these areas so they are easily located. • Keep an up-to-date inventory of materials stored outdoors, in uncontained areas and try to minimize them.
Sludge Loading Area	• Ensure all spilled materials are cleaned up and disposed of in the drain
Interior Roadway	• Ensure all drains and culverts are working properly at all times. • Clean up any waste materials that fall from disposal vehicles
Entrances and Exits	• The plant is responsible for minimizing generation of dust and off-site tracking of raw, final or waste materials. • Clean public roadways as necessary when tracking is visible.
Vehicle & equipment maintenance	• Perform all vehicle maintenance indoors or offsite.
Wash water	• Use phosphate-free biodegradable detergents. • Prevent runoff of any kind of contaminated flow, contain and recycle or dispose of wash waters that are contaminated.
Employee Parking	• Keep parking area free of litter and debris

Pollutant source area or activity	Core BMPs
Solid Waste	• Ensure that waste, garbage, and floatable debris are not exposed to wind or rain. • Do not put liquid in the solid waste bins. • Make sure all trash receptacles and used filter storage bins have latching lids and are properly maintained.
Wet Weather	• Monitor rainfall and flood events • Ensure all drains not clogged and are working properly.

5.2 GOOD HOUSEKEEPING MEASURES

Good housekeeping practices are designed to maintain a clean and orderly work environment. This will reduce the potential for significant materials to come in contact with stormwater. Good housekeeping is a practical, cost-effective way to maintain a clean and orderly facility to prevent potential pollution sources.

- Chemical and material spills are immediately cleaned up.
- Maintain and cover trash receptacles.
- Only materials necessary to the process are stored in immediate work areas.
- Clean site of litter and debris on regular basis. Provide extra trash receptacles when necessary.
- Sweep or clean public roadways in front of entrances as needed when tracking onto roadway is visible.
- Check concrete areas for past spills and excess build up. Use with a non-toxic bioremedial agent to breakdown and degrade organic waste.
- Keep SDS Sheets current.

5.3 EROSION AND SEDIMENTATION CONTROL MEASURES

Minimize erosion from the site by means of restoring and maintaining grassy areas and vegetative buffers. Maintaining areas of vegetation slows runoff and retains sediments and pollutants. Open vegetated swales and natural depressions can be used to dissipate energy in overland flow and reduces erosion as well as increases infiltration and, in some cases, promotes uptake of metals and nutrients by plants.

Table 4. EROSION CONTROLS

Erosion Controls	Locations
Soil Stabilization through Vegetative Cover	The pervious areas surround the facility are well vegetated grasses that are maintained on a regular basis
Contouring Slopes	The facility has been contoured as part of the site development to direct stormwater away from treatment units. These slopes were constructed to keep the velocity of stormwater low to reduce erosion.
Paving	The facility is equipped with paved access roads, storage and parking areas
Structural Controls	Drainage swales and culverts on interior road and access roadways

5.4 MAINTENANCE PROGRAM FOR STRUCTURAL CONTROLS

The following physical structures reduce potential pollutants in storm water. This inspection will be performed in conjunction with the quarterly routine checkup by a qualified member of the SWP3 team.

TABLE 5. STRUCTURAL CONTROL INSPECTION

Device/Equipment	Frequency of Inspection	What will you look for?
Inspect and maintain vegetated areas	Quarterly	Look for signs of erosion. Confirm that solids are not leaving the facility and vegetation is sustained. Dead vegetation and staining should be investigated.
Inspect and repair of treatment unit containment & structures	Quarterly	Confirm that the concrete basins are free of leaks and cracks.
Inspect and repair covers and roofs	Quarterly	Confirm that there are no wet weather leaks

Inspect and repair concrete / paved areas	Quarterly	Conform that all minor leaks and spills were properly cleaned. Confirm no tracking of or debris.
Inspect and repair all treatment drains and sumps	Quarterly	Confirm all drains are free of debris and functioning properly.

6.0 SPILLS AND LEAKS

6.1 SPILLS

No spilled materials or wastes will be allowed to come in contact with precipitation, stormwater discharges or unprotected soils. If such contact occurs, the discharge will be contained until appropriate measures in compliance with state and federal regulations are taken to remediate the contamination.

It is the permitees' responsibility to minimize the discharge of pollutants from spills and leaks and implement chemical spill and leak prevention and response procedures.

Spills or leaks must be cleaned up immediately after they occur and properly documented.

Personnel should be made aware of the procedures, usage and the locations of cleanup and containment supplies. Materials and equipment necessary for spill containment and cleanup will be kept in the storage areas or activity areas.

6.1.1 MINOR SPILLS

Spills that are safely controlled and cleaned by personnel and pose no significant harm to the environment are considered minor spills. These are spills that occur near the source and are not likely to migrate from the site.

6.1.2 MAJOR SPILLS

Releases that cannot be controlled and remediated by onsite personnel, spilled materials which endanger human health, or pose a danger of fire or explosion are considered "Major Spill Emergencies." If the spill is large enough to spread beyond the immediate spill area, discharges off site or causes an oil sheen on nearby surface water, the spills require immediate response from specialists and proper notification to emergency response officials and other regulatory agencies.

6.1.3 SPILL RECORDING

Use the forms provided in ***Appendix F*** to list spills and response equipment used on site.

7.0 EMPLOYEE TRAINING PROGRAM AND EMPLOYEE EDUCATION

Training will be provided to all employees who are responsible for implementing or maintaining activities identified in the SWP3. Training is provided to all employees when initially hired and refresher training is provided as necessary. All employee training is site specific to this facility and employees are trained on the control measures they are expected to implement.
Training includes but is not limited to:

- Background on the components and goals of the SWP3.
  - Stormwater pollution occurs when rainfall runoff picks up pollutants from the ground or areas exposed to rainfall. Groundwater and soil pollution can occur when contaminates are exposed to impervious areas.
  - Polluted stormwater can cause significant water quality problems, such as fish kills and drinking water contamination.
  - Nothing should leave the site by any means except clean water. If anyone sees any potential stormwater problems, they should report it to a member of the SWP3 team.
- Core BMPs – Basic Dos and Don'ts
- Good housekeeping practices
- Disposal and control of waste
- Spill prevention, controls and response techniques
- Petroleum product management and fueling procedures
- Procedures for using fertilizer, herbicides, and pesticides
- Process chemical management
- Proper techniques of materials management and handling practices for specific chemicals, fluids, and other materials used or commonly encountered at the facility

Education must also be provided to those employees at the facility who are not directly responsible for implementing or maintaining activities identified in the SWP3, and who do not participate in the employee training program. These employees will be informed of the basic goal of the SWP3 and how to contact the SWP3 team regarding stormwater issues.

The training program will be reviewed annually by the SWP3 coordinator to determine its effectiveness and to make any necessary changes to the program.

Record employee trainings on the forms provided in ***Appendix D***.

8.0 INSPECTION AND CERTIFICATION OF NON-STORM WATER DISCHARGES

8.1 INSPECTION

The SWP3 Team will conduct a survey of potential non-storm water sources at the facility within 180 days of filing the NOI to ensure that non-storm water sources which are not allowable under the MSGP are not combined with storm water discharges from the facility and are not allowed to discharge off site.

The investigation will consist of the review of the storm water drainage structures and areas for indications of dry weather flow(s) and include the inspection of all facility storm water drain inlets, drainage ditches and swales, building roof drain outlets, outdoor surfaces, and all storm water outfalls at the property line. The site treatment work's activity areas including access roads; screenings area, solids handling areas will also be included.
Update this SWP3 with the following:

- The date that the evaluation occurred and description of the criteria used for evaluation;
- The outfalls or onsite discharge points observed;
- The different types of identified non-stormwater discharges and their source locations; and
- Appropriate BMPs for the non-stormwater discharges, or the actions taken or the control measures used to eliminate them.

8.2 CERTIFICATION

A certification stating that the facility has been evaluated for the presence of non-storm water discharges must be made documenting how the evaluation was conducted, the results of any testing, the date of the evaluations or tests, and the portions of the storm sewer system that were observed during the investigation.

- If non-permitted, non-storm water discharges are not observed, a certification must be made to that effect.

- If a part of the storm sewer system cannot be accessed to complete the investigation, a certification must be made that no non-permitted, non-storm water discharges were observed for the remainder of the system. In addition, a notice of the inability to certify the entire storm sewer system must be provided to the TCEQ Enforcement Division (MC-224) within 180 days of the NOI submittal.

- If non-permitted, non-storm water discharges are observed, a certification must be prepared which identifies the non-compliances and the steps being taken to eliminate the non-permitted, non-storm water discharge(s) and prevent further non-compliance.

Appendix B - Non-Storm Water Discharge Certification of this SWP3, documents the results of the investigation and appropriate certification statement.

9.0 PERIODIC INSPECTIONS

9.1 ROUTINE FACILITY INSPECTIONS (QUARTERLY)

A member of the SWP3 Team and/or qualified personnel who are familiar with permit requirements and the industrial activities performed at the facility must conduct inspections at least quarterly during dry weather conditions for evidence of non-storm water discharges and to determine the effectiveness of the SWP3.

On-site inspections must be documented by the use of a checklist that includes each of the controls and measures being evaluated. The routine facility inspection checklist must remain available for review upon request. Inspection documentation should include:

- Inspection date and time
- Name(s) of the inspector(s) and signature
- Findings / Deficiencies / Non-compliance issues
- Weather information and a description of any discharges occurring at the time of the inspection
- Previously unidentified discharges of pollutants from the site
- Control measures (structural or non-structural) needing maintenance, repairs or replacement
- Additional control measures needed to comply with the permit requirements
- Identification of any existing BMPs that are not being properly or completely implemented

When revisions or additions to the SWP3 are recommended as a result of inspections, a summary description of these proposed changes will be attached to the inspection checklist. The summary must identify any necessary time frames required to implement the proposed changes. See Appendices D and F for inspection report forms.

9.2 ANNUAL COMPREHENSIVE SITE COMPLIANCE INSPECTION AND EVALUATION

The comprehensive site compliance inspection is a required site evaluation and an overall assessment of the effectiveness of the current SWP3. The inspection and evaluation in addition to other routine inspections will be conducted at least once each permit year by one or more qualified employees or designated representatives, including at least one member of the SWP3 team. The inspection must include an examination and assessment of:

- All areas identified in the Inventory of Exposed Materials section of the SWP3;
- All structural controls, including the maintenance and effectiveness;
- All access roads

- All grit, screenings, and other solids handling, storage, or disposal areas; sludge drying beds; dried sludge piles; compost piles; and septage or hauled waste receiving station.
- All non-structural controls (e.g., good housekeeping measures, scheduling, etc.);
- All areas where spills and leaks have occurred in the past three (3) years;
- All reasonably accessible areas immediately downstream of each outfall that is authorized under this MSGP;
- Industrial materials, residue, or trash that may have or could come into contact with stormwater;
- Leaks or spills from industrial equipment or containers;
- Offsite tracking of industrial or waste materials, or sediment where vehicles enter or exit the site;
- Tracking or blowing of raw, final, or waste materials from areas of no exposure to exposed areas;
- A review of the results of the past year's visual and analytical monitoring when planning and conducting inspections that are required by this MSGP; and
- Any control measure needing replacement, maintenance, or repair.

For the purposes of this inspection, a non-compliance incident is where an element of the SWP3 is either not implemented, or where specific conditions of the permit are not met.

9.3 ANNUAL COMPREHENSIVE SITE INSPECTION REPORT

The report must be prepared within 30 days of performing the annual site compliance evaluation. A blank form is provided as ***Appendix D***. The report must be signed, certified and included as a part of the SWP3. Include a narrative discussion of the facility's compliance with the current SWP3 and document the following:

- Personnel conducting the evaluation (name date and title)
- Findings from the inspection of areas of the facility
- Observations relating to the implementation of control measures;
- Previously unidentified discharges from the site;
- Previously unidentified pollutants in existing discharges;
- Evidence of or the potential for pollutants entering the drainage system;
- Evidence of pollutants discharging to receiving waters, and the condition of and around each outfalls; and
- Additional control measures needed to address any conditions requiring corrective action identified during the inspection.
- Revisions to the SWP3 made as a result of the inspection
- Any incidents of non-compliance: If no incidents of non-compliance are discovered, the report must contain a certification by the permittee that the facility is in compliance with the SWP3.

9.4 COMPLIANCE CHECKLIST

A SWP3 Compliance Checklist sorted by date is provided as ***Appendix D*** of this plan to aid in tracking inspection, sampling, monitoring and reporting requirements.

10.0 SWP3 REVIEW

The SWP3 must be maintained either at the site or be readily available for review upon request. The SWP3 must be modified by the permittee as often as necessary. Each revision must be dated, and all revisions must be retained. A copy of all SWP3s for the preceding 3 year period must be retained. In circumstances where the number of revisions to the SWP3 makes this requirement burdensome, an Amendment Log a log or record of revisions as provided in ***Appendix D*** may be used.

10.1 REVISION TO THE SWP3

Revise the SWP3 to include and address the findings of the Annual Site Compliance Evaluation Report within 12 weeks following the completion of the report. Revisions must include all applicable changes that result from the report and all applicable updates to:

- Elements of the SWP3 that require modification for effectiveness
- Additional components that should be added or modified for prevention of pollution
- Site map
- Inventory of exposed materials
- Description of good housekeeping measures
- Description of structural and nonstructural controls
- Any other elements of the plan that were either found to be inaccurate or that will require modification

See ***Appendix D*** - Annual Compliance Evaluation Report Form

11.0 RECORDS REQUIREMENTS

Monitoring and reporting records, including records of calibration and maintenance, copies of all other records required by the MSGP and records of all data used to complete the application for the permit must be retained at the facility or must be made readily available for review upon request for a period of 3 years from the date of the record or sample, measurement, report, application, or certification.

The following records must be kept with the SWP3, in addition to any records required elsewhere in this permit:

- Descriptions and dates of any incidences of significant spills, leaks, or other releases that resulted in the discharge of pollutants to surface waters; the circumstances leading to the release and actions taken in response to the release; and measures taken to prevent the recurrence of such releases;
- Documentation of maintenance and repairs of control measures, including the date(s) of regular maintenance, date(s) of discovery of areas in need of repair/replacement, and for repairs, date(s) that the control measure(s) returned to full function, and the justification for any extended maintenance/repair schedules;
- Copies of inspection reports;
- Description of any corrective action taken at the site, including triggering event and dates when problems were discovered and modifications occurred;
- Results of monitoring and inspection activities as described in Part III, Section B; and
- Noncompliance issues and notifications

11.1 RESULTS OF INSPECTIONS AND MONITORING

If the findings of the inspections and monitoring activities in this section demonstrate compliance with the MSGP, then the results of the monitoring are not required to be submitted to the TCEQ, unless specifically requested to do so. The permittee shall submit the results of monitoring conducted under this permit that demonstrates noncompliance with any permit condition.

12.0 WATER QUAILTY AND STORMWATER MONITORING REQUIREMENTS

12.1 MONITORING AND SAMPLING

12.1.1 REPRESENTATIVE SAMPLING

Samples and measurements taken for the purpose of monitoring must be representative of the monitored activity or activities and must be taken at an outfall or outfalls that will best represent the types of industrial activity or activities conducted at a facility site.

12.2 REPRESENTATIVE DISCHARGE SAMPLES

All samples must be representative of the discharge.

- Authorized Stormwater Discharges that Combine with Other Permitted Flows. If stormwater discharges authorized under this MSGP combine with other stormwater or with wastewater authorized under a separate permit, then sampling must be conducted at a point before the waters combine.
- Non-Stormwater Discharges. Monitoring of allowable non-stormwater discharges is only required when they are commingled with stormwater discharges associated with industrial activity.

12.2.1 REPRESENTATIVE DISCHARGES FROM SUBSTANTIALLY SIMILAR OUTFALLS

It has been determined that Outfalls # 2 and # 3 are substantially similar based on the internal and external drainage areas, storage areas, activities conducted and control measures in place. Sample Locations will be at Outfalls 1 and 3.
the industrial activities that occur in the drainage area to each outfall;
significant materials stored or handled within the drainage area to each outfall; and
the management practices and pollution control structures that occur within the drainage area of each outfall.

Substantially similar outfalls may be established for the following monitoring requirements described in this general permit:

Quarterly Visual Monitoring (Part III, Section B.3);
Hazardous Metals Monitoring (Part III, Section C); and
Benchmark Monitoring (Parts IV and V)

Substantially similar outfalls may not be established for the following:

- Outfalls with any non-stormwater discharges; and
- Outfalls with discharges subject to numeric effluent limits listed in Part V (sector-specific effluent limits).

The following information must be documented in the SWP3 if the substantially similar outfall exception is being used for any required monitoring:

- location of each of the substantially similar outfalls;
- description of the general industrial activities conducted in the drainage area of each outfall;
- description of the control measures implemented in the drainage area of each outfall;
- description of the exposed materials located in the drainage area of each outfall that are likely to be significant contributors of pollutants to stormwater discharges;
- estimate of the runoff coefficient of the drainage areas;
- explanation regarding why the outfalls are expected to discharge substantially similar effluents;
- assurance that control measures have been assessed and modified as appropriate for each outfall represented by the monitored outfall, if necessary due to stormwater contamination being identified through visual assessment of substantially similar outfall.
- a list of locations where samples are collected, including any determination that two (2) or more stormwater only outfalls are considered to be substantially similar;

If the permittee is not conducting monitoring due to claiming an inactive and unstaffed site, the information to support this claim must be included in the SWP3.

12.3 QUARTERLY VISUAL MONITORING

Stormwater discharges from Outfalls 1 and 3 must be visually examined as required on a quarterly basis. Visual monitoring helps the facility to assess whether BMPs are effectively working. Quarterly visual monitoring may also indicate a source of pollution that had not been considered during the development of BMPs, such as recurring spills or an infrequent industrial activity.

Visual monitoring is examining and assessing a grab sample of storm water for these characteristics, or parameters:

- Color
- Clarity
- Floating, settled or suspended solids;
- Foam
- Oil sheen
- Noticeable odors
- Other obvious indicators of stormwater pollution

A grab sample is a water sample that is collected all at once, in a clear glass container from the outfall(s).

Visual monitoring should be conducted by a member of the SWP3 Team. Where practical, the same person should collect and examine the samples for the entire term of the permit to ensure consistency.

All examinations must be performed in a manner that ensures the sample is representative of the discharge. If this is not possible, then the report must include the reason.

Records of quarterly visual monitoring must include the following information, and the report must be included ***Appendix E*** and at a minimum include the following:

- Sample location(s);
- Date and time samples were collected and examined;
- Names of personnel who collected and examined the samples;
- Nature of the discharge (e.g., runoff, snow melt);
- Results of the observations;
- Probable sources of any observed contamination;
- Visual quality of the stormwater discharge; and

See ***Appendix E*** - Quarterly Visual Monitoring of Storm Water Runoff for further monitoring requirements and procedures.

12.4 WATER QUALITY MONITORING REQUIREMENTS

The TPDES MSGP requires Numeric Effluent Limitation (NEL) monitoring for hazardous metals, E coli and BOD5. A document establishing the sampling requirements related to this facility in accordance with the TPDES MSGP is provided in ***Appendix E*** – Sampling, Record Keeping and Reporting Guide. Sampling should be performed in accordance with this table and conducted according to the procedures and benchmark parameters specified in Part III and V of the MSGP. For additional information on sampling guidelines and procedures see EPA # 832-B-09-003 Industrial Stormwater Monitoring and Sampling Guide at https://www.epa.gov/sites/default/files/2015-11/documents/msgp_monitoring_guide.pdf.

12.4.1 DISCHARGES SUBJECT TO FEDERAL CATEGORICAL GUIDELINES

Additional effluent limitations for stormwater discharges as required under 40 CFR Subchapter N Parts 400-471 do not apply to this facility.

12.4.2 BENCHMARK MONITORING REQUIREMENTS

This type of monitoring differs from monitoring for compliance with numeric effluent limitations. Results from benchmark monitoring are used to determine if the selected BMPs are effective. The samples should be collected from internal or external outfalls where the BMPs are installed.

Benchmark monitoring is required bi-annually for BOD5. The benchmark value is 15mg/L. Exceedances of benchmark values indicate that modifications to the SWP3 and current BMP(s) may be necessary.

If sampling during any six-month period is not conducted for a pollutant due to adverse weather conditions or drought, then the reported average annual result must be based on data collected for that year. If there is no rain during a given week, the permittee shall monitor and record a zero rainfall total or no rain for the week.

Results of the analyses reported values must be the average yearly rather than an outfall-by-outfall, basis and shall include this comparison in the overall assessment of the SWP3's effectiveness.

Analytical results that exceed a benchmark value are not a violation of this permit, as these values are not numeric effluent limitations. However, not conducting benchmark sampling, not submitting the benchmark monitoring form with sample results, or not submitting the benchmark monitoring form with an explanation as to why the sampling failed to be conducted is a violation of the permit requirements for benchmark monitoring submittal.

12.4.2.1 Background Concentrations

If during benchmark monitoring the average concentration of a pollutant exceeds a benchmark value and it is determined that the exceedance is attributable solely to the presence of that pollutant in the natural background, the permittee is not required to perform corrective action or additional benchmark monitoring provided that:

- Average concentration of the benchmark monitoring results are less than or equal to the concentration of the pollutant in the natural background;
- The permittee documents in the SWP3 the supporting rationale for concluding that benchmark exceedance are attributable solely to natural background pollutant levels, as outlined in Part IV, Section A.2.of the permit. Any data previously collected (including literature studies) must be included in the supporting rationale that describe the levels of natural background pollutants in the stormwater discharge; and
- The permittee notifies TCEQ in writing during the reporting period for the sampling period that the permittee determined the benchmark exceedance are attributable solely to natural background pollutant levels.

Natural background pollutants include substances that are naturally occurring in the soil or groundwater. Natural background pollutants do not include legacy pollutants from earlier activity at the site, or pollutants in runon from neighboring sources that are not naturally occurring.

Background concentrations may be identified by laboratory analyses of samples of stormwater runon to the permitted facility, laboratory analyses of samples of stormwater runoff from adjacent non-industrial areas, or by identifying the pollutant as a naturally occurring material in soil at the site.

12.4.2.2 Waivers

There are no waivers for monitoring of BOD5 immediately. Benchmark monitoring may be waived during years 3 and 4 if annual average sampling values for years 1 and 2 are all below benchmark level.

12.4.3 SAMPLING FOR HAZARDOUS MATERIALS

Annual sampling is required as part of the GP at Outfalls 1 and 3.
TCEQ Form 10425 has been completed and provided in Appendix E based off the following criteria: The regulated facility does not use a raw material, produce an intermediate product, or produce a final product that contains one of these hazardous metals.

12.4.4 IMPAIRED WATER BODIES AND TOTAL MAXIMUM DAILY LOAD (TMDL) REQUIREMENTS

Nolan Creek/ South Nolan Creek is listed in 2022 Texas Integrated Report of Surface Water Quality Integrated Report 303(d) List with an impairment category of 5c - Bacteria in water (Recreation Use). There are no established Total Maximum Daily Load (TMDL) Requirements for Nolan Creek. Treated wastewater effluent from the facility is discharged into Nolan Creek at the outfall as permitted by Wastewater Permit WQ0010155001.

The permittee collected samples of stormwater at Outfalls 1 and 3 for analysis of E. coli on _____. The sampling results indicated that E.coli is not present in the discharge; therefore no additional sampling is required under this permit.

12.4.5 REPORTING REQUIREMENTS

Samples are collected and sent for analysis by a lab accredited by the National Environmental Laboratory Accreditation Conference (NELAC). Lab results must be included in the SWP3. Use the Discharge Monitoring Report (DMR) to record results of monitoring for determining compliance with numeric effluent limitations and added in ***Appendix E***. Electronic documentation of the DMRs may be employed as long the files are readily available for review upon request.

12.4.5.1 Benchmark Monitoring

Results of analyses for sampling during benchmark monitoring years one through four must be submitted to TCEQ before March 31 of each year following sample collection. The reported values must be the average yearly result of analysis for each specific pollutant discharged under

a specific SIC code, rather than an outfall-by-outfall, basis. The results must be submitted online using the NetDMR. See Section 12.4.2.2 for reduced monitoring waiver requirements.

12.4.5.2 Additional Monitoring by the Permittee

If the permittee monitors any pollutant more frequently than required by this general permit using approved analytical methods, all results of the monitoring must be included in the calculation and reporting of the values recorded on the DMR and must be included in any other calculation, record, or reports required to be maintained as a provision of this general permit. Increased frequency of sampling must be indicated on the DMR.

12.4.5.3 Non-compliance with the permit

Any other non-compliance(s) as described in Part III.B.5(b)(6)(a) must be reported to the TCEQ by March 31 following the calendar year in which the non-compliance(s) occurred. The permittee shall report any additional non-compliance (s) not described above under this paragraph to the TCEQ, Information Resource Division, MC-213, or to the address shown on a reporting form, if one is made available by TCEQ.

The permittee may meet this requirement by submitting a copy of the Annual Comprehensive Site Compliance Inspection Report (see Part III, Section B.5.(b)) or by submitting a narrative explanation of the non-compliance(s).

12.4.6 INVESTIGATIONS OF BENCHMARK VALUE EXCEEDANCES

If there are exceedances, the SWP3 Team investigation must investigate the cause for each exceedance and must document the results of this investigation in the SWP3 within 90 days following the sampling event. Identify the following:

- Any additional potential sources of pollution, such as spills that might have occurred;
- Necessary revisions to the Good Housekeeping Measures section of the SWP3;
- Additional BMPs, including a schedule to install or implement the BMPs; and
- Oher parts of the SWP3 for which revisions are appropriate.

Background concentrations of specific pollutants may be considered during the investigation as described in Part IV, Section A.2. If the Pollution Prevention Team is able to relate the cause of the exceedance to background concentrations, then subsequent exceedance of benchmark values for that pollutant may be resolved by referencing the earlier finding in the SWP3.

12.4.7 WAIVERS

New forms and required sampling for waivers must be completed during each permit term, no later than prior to the first sampling event that the permittee is seeking to waive. The forms

and lab results must be maintained onsite and made readily available for review upon request by authorized TCEQ personnel.

12.4.8 MONITORING PERIODS

12.4.8.1 Quarterly

Sampling, inspections, and examinations that are required on a quarterly basis must be conducted during the following periods:

- First (1st) quarter - January 1 thru March 31
- Second (2nd) quarter - April 1 thru June 30
- Third (3rd) quarter - July 1 thru September 30 and
- Fourth (4th) quarter - October 1 thru December 31

12.4.8.2 Semiannually

Sector TW benchmark monitoring as described in Sampling, Record Keeping and Reporting Guide included in ***Appendix E*** must be conducted once every six months.

- January 1 thru June 30
- July 1 thru December 31

12.4.8.3 Annually

Monitoring, inspections, and examinations that are required on an annual basis must be conducted before December 31st of each calendar year, beginning with the calendar year that includes the first full quarter following submittal of an NOI.

12.4.9 EXCEPTIONS TO MONITORING REQUIREMENTS

12.4.9.1 Adverse Conditions

Requirements to sample, inspect, examine or otherwise monitor stormwater discharges within a prescribed monitoring period may be temporarily suspended for adverse conditions that are either dangerous to personnel (e.g., high wind, excessive lightning) or conditions that prohibit access to a discharge (e.g., flooding, freezing conditions, extended periods of drought). Adverse conditions that result in the temporary suspension of a permit requirement to sample, inspect, examine, or otherwise monitor stormwater discharges must be documented and included as part of the SWP3. Documentation must include:

- the date and time of the adverse condition,
- names of personnel that witnessed the adverse condition,
- a narrative for the nature of the adverse condition, and

- readings of the on-site rain gauge, representative weather station, or subject to TCEQ's approval, the alternative means of compliance.

12.4.9.2 Lack of Qualifying Storm Event

When monitoring was not possible due to a lack of a qualifying storm event as documented in the rain gauge recording, representative weather station, or subject to TCEQ's approval, the alternative means of compliance, monitoring is temporarily suspended.

12.4.9.3 Staffing

During normal operations, the site is staffed between the hours of 7:00 am and 4:00 pm Monday through Friday, excluding holidays. In case a qualifying storm event occurs when staffing is not on site, the staffing deficiencies should be documented. Reasonable effort should be attempted to collect the samples during the monitoring period.

12.4.9.4 Monitoring Waivers

When monitoring is temporarily suspended due to adverse conditions, that monitoring must be conducted at the next representative rain event or in the next monitoring period, whichever comes first, in addition to any monitoring required for that period. If the temporarily suspended monitoring requirement cannot be fulfilled during the next monitoring period due to continued adverse conditions, then it is permanently waived for both monitoring periods.

The SWP3 must include records of why monitoring was temporarily suspended due to adverse conditions.

12.5 QUALIFYING RAIN EVENT

A qualifying storm event is an event that results in a discharge from the facility. Stormwater monitoring, sampling, examinations, and inspections of stormwater discharges requires a qualifying rain event in order to provide accurate results. Samples should be collected when the following conditions exist:

- There must have been no rain in the previous three days (72 hours) of the sampling event.
- Sampling should not begin until the storm has produced a minimum of 0.1 inch rainfall.

- Samples should be collected in the first 30 minutes of the storm or as soon as there is adequate flow at the sampling location. If it is not practicable to collect the sample or to complete the sampling within the first 30 minutes, then sampling must be completed within the first hour of discharge. If sampling is not completed

within the first 30 minutes of discharge, the reason must be documented and attached to all required reports and records of the sampling activity. In the case of snowmelt, samples must be taken during a period with a measurable discharge.

Accurate storm water sampling information requires a rain gauge mounted in a place so it is not shielded or blocked from rain and where it will not receive runoff from a roof.

12.6 RAIN GAUGE MONITORING AND RECORDKEEPING

Maintain a rain gauge on-site or utilize a representative weather station in the immediate vicinity of the site to determine when a qualifying rain event occurs. A representative storm event is precipitation that:

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

The on-site rain gauge, representative weather station, or the alternative means of compliance must be monitored a minimum of once per week, and once per day during storm events. Records of the date and rainfall total must be retained on-site or made readily available for review. If there is no rain during a given week, the permittee shall monitor and record a zero rainfall total or no rain for the week.

Monitoring may be temporarily suspended during a given monitoring period if a representative storm event has occurred and the required sampling and analysis has been conducted.

Appendix A – General Permit

Texas Commission on Environmental Quality

P.O. Box 13087 Austin, Texas 78711-3087

GENERAL PERMIT TO DISCHARGE UNDER THE TEXAS POLLUTANT DISCHARGE ELIMINATION SYSTEM

under provisions of Section 402 of the Clean Water Act
and Chapter 26 of the Texas Water Code

This permit supersedes and replaces
TPDES General Permit No. TXR050000, issued August 14, 2016.

Facilities that discharge stormwater associated with industrial activity

located in the state of Texas

may discharge to surface water in the state

only according to effluent limitations, monitoring requirements and other conditions set forth in this general permit, as well as the rules of the Texas Commission on Environmental Quality (TCEQ), the laws of the State of Texas, and other orders of the Commission of the TCEQ (Commission). The issuance of this general permit does not grant to the permittee(s) the right to use private or public property for conveyance of wastewater along the discharge route. This includes property belonging to but not limited to any individual, partnership, corporation or other entity. Neither does this general permit authorize any invasion of personal rights nor any violation of federal, state, or local laws or regulations. It is the responsibility of the permittee(s) to acquire property rights as may be necessary to use the discharge route.

This permit and the authorization contained herein shall expire at midnight, five years from the permit effective date.

EFFECTIVE DATE: August 14, 2021

ISSUED DATE: July 16, 2021

Digitally signed by Jon Niermann
Date: 2021.07.16 10:00:54 -05'00'

For the Commission

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Part I. DEFINITIONS

All definitions in the Texas Water Code (TWC) §26.001 and Title 30 Texas Administrative Code (TAC) Chapter 305 apply to this permit and are incorporated by reference. Some specific definitions of words or phrases used in this permit are as follows:

Arid Areas. Areas with an average annual rainfall of less than ten (10) inches.

Benchmark. A benchmark pollutant concentration is a guidance level indicator that helps determine the effectiveness of chosen best management practices (BMPs). This type of monitoring differs from "compliance monitoring" in that exceedances of the indicator or benchmark level are not permit violations, but rather indicators that can help identify problems at the site with exposed or unidentified pollutant sources; or control measures that are either not working correctly, whose effectiveness need to be re-considered, or who need to be supplemented with additional BMP(s).

Best Management Practices (BMPs). Schedules of activities, prohibitions of practices, maintenance procedures, and other techniques to control, prevent or reduce the discharge of pollutants. BMPs also include treatment requirements, operating procedures, and practices to control site runoff, spills or leaks, sludge or waste disposal, or drainage from raw material storage areas.

Co-located Industrial Activities. Industrial activities conducted at a facility that are described by two or more SIC codes listed in this general permit.

Co-located Industrial Facilities. Industrial facilities, having different operators, that are located on a common property or adjoining property and that conduct industrial activities described by one or more sectors of this general permit.

Composite Sample. A sample made up of a minimum of three effluent portions collected in a continuous 24-hour period or during the period of daily discharge if less than 24 hours, combined in volumes proportional to flow, and collected at the intervals required by 30 TAC §319.9 (b).

Construction Activity. Includes soil disturbance activities, including clearing, grading, and excavating; and does not include routine maintenance that is performed to maintain the original line and grade, hydraulic capacity, or original purpose of the site (e.g., the routine grading of existing dirt roads, asphalt overlays of existing roads, the routine clearing of existing right-of-ways, and similar maintenance activities). Regulated construction activity is defined in terms of small and large construction activity.

- **Small Construction Activity** is construction activity that results in land disturbance of equal to or greater than one (1) acre and less than five (5) acres of land. Small construction activity also includes the disturbance of less than one (1) acre of total land area that is part of a larger common plan of development or sale if the larger common plan will ultimately disturb equal to or greater than one (1) and less than five (5) acres of land.
- **Large Construction Activity** is construction activity that results in land disturbance of equal to or greater than five (5) acres of land. Large construction activity also includes the disturbance of less than five (5) acres of total land area that is part of a larger common plan of development or sale if the larger common plan will ultimately disturb equal to or greater than five (5) acres of land.

Control Measure. Any BMP, including structural and non-structural controls, or other method (including effluent limitations) used to prevent or reduce the discharge of pollutants to water in the state.

Daily Average Concentration. The arithmetic average of all effluent samples, composite or grab as required by this permit, within a period of one calendar month, consisting of at least four separate representative measurements. When four samples are not available in a calendar month, the arithmetic average (weighted by flow) of all values taken during the month must be used as the daily average concentration.

Daily Maximum Concentration. The maximum concentration measured on a single day, as determined by laboratory analysis of a grab sample or a composite sample.

Diffuse Point Source. A conveyance from which pollutants are or may be discharged that results from grading land for the purpose of adding parking lots, roads, and buildings so as to collect and convey stormwater off-site to prevent flooding (i.e. without a single point of origin or not introduced into a receiving stream from a specific outlet). Diffuse point sources include any identifiable conveyance from which pollutants might enter surface water in the state. By changing the surface or establishing grading patterns of the land, runoff is conveyed along the resulting drainage or grading patterns. A diffuse point source is not true sheet flow.

Discharge. For the purpose of this permit, the drainage, release, or disposal of stormwater associated with industrial activity and certain allowable non-stormwater sources listed in this general permit to surface water in the state.

Drought. For the purpose of this permit, an extended period of no precipitation in which a stormwater discharge does not occur during a monitoring or reporting period.

Edwards Aquifer. As defined under 30 TAC §213.3 (relating to the Edwards Aquifer), that portion of an arcuate belt of porous, water-bearing, predominantly carbonate rocks known as the Edwards and Associated Limestones in the Balcones Fault Zone trending from west to east to northeast in Kinney, Uvalde, Medina, Bexar, Comal, Hays, Travis, and Williamson Counties; and composed of the Salmon Peak Limestone, McKnight Formation, West Nueces Formation, Devil's River Limestone, Person Formation, Kainer Formation, Edwards Formation, and Georgetown Formation. The permeable aquifer units generally overlie the less-permeable Glen Rose Formation to the south, overlie the less-permeable Comanche Peak and Walnut Formations north of the Colorado River, and underlie the less-permeable Del Rio Clay regionally.

Edwards Aquifer Recharge Zone. Generally, that area where the stratigraphic units constituting the Edwards Aquifer crop out, including the outcrops of other geologic formations in proximity to the Edwards Aquifer, where caves, sinkholes, faults, fractures, or other permeable features would create a potential for recharge of surface waters into the Edwards Aquifer. The recharge zone is identified as that area designated as such on official maps located in the offices of the TCEQ and the appropriate underground water conservation district.

Existing Discharge. For the purpose of this permit, this term applies to the discharge of stormwater associated with industrial activity and certain allowable non-stormwater sources listed in this general permit that has been authorized previously under a National Pollutant Discharge Elimination System (NPDES) or Texas Pollutant Discharge Elimination System (TPDES) general or individual permit.

Facility. For the purpose of this permit, all contiguous land and fixtures (including ponds and lagoons), structures, or appurtenances used at an industrial facility described by one or more of Sectors A through AD of this general permit.

Grab Sample. An individual sample collected in less than 15 minutes.

General Permit. A permit issued to authorize the discharge of waste into or adjacent to water in the state for one or more categories of waste discharge within a geographical area of the state or the entire state as provided by TWC §26.040.

Hyperchlorinated Water. Water resulting from hyperchlorination of waterlines or vessels, with a chlorine concentration greater than 10 milligrams per liter (mg/L).

Hyperchlorination of Waterlines or Vessels. Treatment of potable water lines or tanks with chlorine for disinfection purposes, typically following repair or partial replacement of the waterline or tank, and subsequently flushing the contents.

Impaired Water. For the purposes of this permit, water bodies identified as impaired on the latest approved CWA Section 303(d) List, or waters with an EPA-approved or established total maximum daily load (TMDL) that are found on the latest EPA approved Texas Integrated Report of Surface Water Quality for CWA Sections 305(b) and 303(d) as not meeting applicable state water quality standards.

Inactive Industrial Facilities. A facility where all industrial activities that are described in Part II, Section A.1. of this permit are suspended, and authorization under this general permit is required to be maintained. Also see sector-specific definitions for Inactive facilities in Part V, Sections G, H, J, and L of this general permit.

Industrial Activity. Any of the ten (10) categories of industrial activities included in the definition of "stormwater discharges associated with industrial activity" as defined in 40 Code of Federal Regulations (CFR) §122.26(b)(14)(i)-(ix) and (xi).

Infeasible. For the purpose of this permit, infeasible means not technologically possible or not economically practicable and achievable in light of best industry practices. The TCEQ notes that it does not intend for any MSGP permit requirement to conflict with state water right laws.

Inland Waters. All surface water in the state other than those defined as tidal waters.

Minimize. For the purposes of this permit, minimize means to reduce and/or eliminate to the extent achievable using control measures that are technologically available and economically practicable and achievable in light of best industry practices.

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

(a) owned or operated by the United States , a state, city, town, borough, county, parish, district, association, or other public body (created by or pursuant to state law) having jurisdiction over the disposal of sewage, industrial wastes, stormwater, or other wastes, including special districts under state law such as a sewer district, flood control district or drainage district, or similar entity, or an Indian tribe or an authorized Indian tribal organization, or a designated and approved management agency under CWA §208 that discharges to surface water in the state;

(b) that is designed or used for collecting or conveying stormwater;

(c) that is not a combined sewer; and

(d) that is not part of a publicly owned treatment works (POTW) as defined in 40 CFR §122.2.

NAICS – North American Industry Classification System

National Pollutant Discharge Elimination System (NPDES) (from 40 CFR §122.2). The national program for issuing, modifying, revoking and reissuing, terminating, monitoring and enforcing permits, and imposing and enforcing pretreatment requirements, under CWA §§307, 402, 318, and 405. The term includes an "approved program."

New Discharge. For the purpose of this permit, this term applies to the discharge of stormwater associated with industrial activity that did not commence prior to August 13, 1979, that is not a new source, and that has never received an NPDES or TPDES water quality permit for the stormwater discharge from the site. See 40 CFR §122.2.

Non-structural Controls. Pollution prevention methods that are not physically constructed, including BMPs used to prevent or reduce the discharge of pollutants.

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, and/or runoff. Industrial materials or activities include, but are not limited to, material handling equipment or activities, industrial machinery, raw materials, intermediate products, by-products, final products, or waste products. Material handling activities include the storage, loading and unloading, transportation, or conveyance of any raw material, intermediate product, final product or waste product.

No Exposure Certification (NEC). A written submission to the executive director from an applicant notifying that they intend to obtain a conditional exclusion from permit requirements by certifying that there is no exposure of industrial materials or activities to rain, snow, snowmelt, or stormwater runoff.

Notice of Change (NOC). Written notification from the permittee to the executive director providing changes to information that was previously provided to the agency in a notice of intent or no exposure certification (NEC) form.

Notice of Intent (NOI). A written submission to the executive director from an applicant requesting coverage under this general permit.

Notice of Termination (NOT). A written submission to the executive director from a discharger authorized under a general permit requesting termination of coverage.

Operator. A person responsible for the management of an industrial facility subject to the provisions of this general permit. Industrial facility operators include entities with operational control over industrial activities, including the ability to modify those activities; or entities with day-to-day operational control of activities at a facility necessary to ensure compliance with the permit (e.g., the entity is authorized to direct workers at a facility to carry out activities required by the permit).

Outfall. For the purpose of this permit, a point source at the point where stormwater runoff associated with industrial activity, and certain non-stormwater discharges listed in this permit, exits the facility and discharge(s) to surface water in the state or a municipal or private separate storm sewer system. An outfall from a diffuse point source includes the point or points where the diffuse point source discharges to surface water in the state or a municipal or private separate storm sewer system.

Permittee. An operator authorized under this general permit to discharge stormwater runoff associated with industrial activity and certain non-stormwater discharges to surface water in the state.

Point Source. Any discernible, confined, and discrete conveyance, including but not limited to, any pipe, ditch, channel, tunnel, conduit, well, discrete fissure, container, rolling stock, concentrated animal feeding operation, landfill leachate collection system, vessel or other floating craft from which pollutants are or may be discharged. This term does not include return flows from irrigated agriculture or agricultural stormwater runoff. For the purpose of this permit, a point source includes any identifiable conveyance from which pollutants might enter surface water in the state, including a diffuse point source as defined in this section.

Pollutant. (from TWC §26.001(13)) Dredged spoil, solid waste, incinerator residue, sewage, garbage, sewage sludge, filter backwash, munitions, chemical wastes, biological materials, radioactive materials, heat, wrecked or discarded equipment, rock, sand, cellar dirt, and industrial, municipal, and agricultural waste discharged into any water in the state. The term: (A) includes: (i) tail water or runoff water from irrigation associated with an animal feeding operation or concentrated animal feeding operation that is located in a major sole source impairment zone as defined by TWC §26.502; or (ii) rainwater runoff from the confinement area of an animal feeding operation or concentrated animal feeding operation that is located in a major sole source impairment zone, as defined by TWC §26.502; and (B) does not include tail water or runoff water from irrigation or rainwater runoff from other cultivated or uncultivated rangeland, pastureland, and farmland or rainwater runoff from an area of land located in a major sole source impairment zone, as defined by TWC §26.502, that is not owned or controlled by an operator of an animal feeding operation or concentrated animal feeding operation on which agricultural waste is applied.

Pollutant of Concern (POC). For the purpose of this permit, a pollutant of concern (POC) includes biochemical oxygen demand (BOD), sediment, or a parameter that addresses sediment (such as total suspended solids (TSS), turbidity, or siltation), pathogens, oil and grease, and any pollutant that has been identified as a cause of impairment of any water body that will receive a discharge from an MS4 (*See* 40 CFR § 122.32(e)(3)).

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 (SWP_3) 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.

Reportable Quantity Spill or Release. A discharge or spill of oil, petroleum product, used oil, industrial solid waste, hazardous substances including mixtures, streams, or solutions, or other substances into the environment in a quantity equal to or greater than the reportable quantity listed in 30 TAC §327.4 (relating to Reportable Quantities) in any 24-hour period and subject to 30 TAC §327.3 (relating to Notification Requirements).

Semiarid Areas. Areas with an average annual rainfall of at least ten (10) inches but less than 20 inches.

Separate storm sewer system. A conveyance or system of conveyances (including roads with drainage systems, streets, catch basins, curbs, gutters, ditches, man-made channels, or storm drains), designed or used for collecting or conveying stormwater; that is not a combined sewer, and that is not part of a publicly owned treatment works (POTW).

Sheet Flow. An overland flow or downslope movement of water taking the form of a thin, continuous film over relatively smooth soil or rock surfaces that have not been changed or graded, where there are no defined channels, and the flood water spreads out over a large area at a uniform depth. This definition does not include changing the surface of land or establishing grading patterns on land where a facility described in this permit is located, which would result in a point source as defined in this permit.

Significant Materials. Including, but not limited to: raw materials; fuels; materials (e.g., solvents, detergents, and plastic pellets); final products that are not designed for outdoor use; raw materials that are used for food processing or production; hazardous substances designated under CERCLA §101(14) of; any chemical the operator is required to report pursuant to Emergency Planning & Community Right-To-Know Act (EPCRA) §313, also known as Title III of Superfund Amendments and Reauthorization Act (SARA); fertilizers; pesticides; and waste

products such as ashes, slag and sludge that have the potential to be released with stormwater discharges.

Standard Industrial Classification (SIC) Code. A four (4) digit code created by the U.S. Office of Management & Budget for statistical classification purposes that describes an industrial activity that takes place at a facility or site. It is possible for a facility or site to have multiple SIC codes depending on the varying activities that take place.

- **Primary SIC Code - (also known as "Site SIC Code" or "Facility SIC Code").** For the purpose of this permit, an SIC code that describes the principal product or group of products produced or distributed at a facility, or that describes services rendered. The primary SIC code may be determined based on the value of receipts or revenues or, if such information is not available for a particular facility, the number of employees or production rate for each process may be compared. The operation that generates the most revenue or employs the most personnel is the operation in which the facility is primarily engaged. In situations where the vast majority of on-site activity falls within one SIC code, that activity may be the primary SIC code.
- **Secondary SIC Code.** For the purpose of this permit an SIC code that describes an industrial activity that is performed at a regulated facility or site that is in addition to the primary SIC code. Determining the secondary industrial activity that occurs at a facility or site is accomplished by using the same criteria as determining the primary industrial activity at the facility (e.g., production value, receipts, employment).

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 subject to any run-on and subsequent runoff of stormwater, or mobilization by wind.

Stormwater and Stormwater Runoff. Rainfall runoff, snowmelt runoff, and surface runoff and drainage.

Stormwater Discharge Associated with Industrial Activity. The discharge from any conveyance that is used for collecting and conveying stormwater and that is directly related to manufacturing, processing or raw materials storage areas at an industrial facility. For the purpose of this general permit, the term includes, but is not limited to, stormwater discharges from industrial plant yards; immediate access roads and rail lines used or traveled by carriers of raw materials, manufactured products, waste material, or by-products used or created by the facility; material handling areas; refuse/waste disposal areas; sites used for the application or disposal of process wastewaters; sites used for the storage and maintenance of material handling equipment; sites used for residual treatment, storage, or disposal; shipping and receiving areas; manufacturing buildings; storage areas (including tank farms), intermediate products, and final products; similar areas where stormwater can contact pollutants related to industrial activity; and areas where industrial activity have taken place in the past and significant materials remain and are exposed to stormwater. For the purposes of this definition, materials handling areas include storage, loading and unloading, transportation, or conveyance of any raw material, intermediate product, final product, by-product or waste product. The term excludes areas located at industrial sites that are separate from the facility's industrial activities, such as office buildings and accompanying parking lots, as long as the drainage from the excluded areas is not mixed with stormwater drained from areas of a facility that are covered by this general permit. This term includes discharges from facilities described under this general permit that are

operated by federal, state, or municipal entities. For the complete regulatory definition, including the categories of industrial activity, see 40 CFR §122.26(b)(14).

Structural Controls. Physical or constructed features, such as silt fencing, sediment traps, and detention/retention ponds that prevent or reduce the discharge of pollutants.

Surface Water in the State. Lakes, bays, ponds, impounding reservoirs, springs, rivers, streams, creeks, estuaries, wetlands, marshes, inlets, canals, the Gulf of Mexico inside the territorial limits of the state (from the mean high water mark (MHWM) out 10.36 miles into the Gulf), and all other bodies of surface water, natural or artificial, inland or coastal, fresh or salt, navigable or nonnavigable, and including the beds and banks of all water-courses and bodies of surface water, that are wholly or partially inside or bordering the state or subject to the jurisdiction of the state; except that waters in treatment systems that are authorized by state or federal law, regulation, or permit, and that are created for the purpose of waste treatment are not considered to be water in the state.

Texas Pollutant Discharge Elimination System (TPDES). The state program for issuing, amending, terminating, monitoring, and enforcing permits, and imposing and enforcing pretreatment requirements, under the CWA §§ 307, 402, 318 and 405, TWC, and TAC regulations.

Tidal Waters. Those waters of the Gulf of Mexico within the jurisdiction of the State of Texas, bays and estuaries, and those portions of rivers and streams that are subject to the ebb and flow of the tides and that are subject to the intrusion of marine waters.

Total Maximum Daily Load (TMDL). The total amount of a pollutant that a water body can assimilate and still meet the Texas Surface Water Quality Standards.

Waters of the United States. Waters of the United States or waters of the U.S. means the term as defined in 40 CFR § 122.2.

Part II. PERMIT APPLICABILITY AND COVERAGE

This general permit provides authorization for point source discharges of stormwater associated with industrial activity and certain non-stormwater discharges to surface water in the state (including direct discharges to surface water in the state and discharges to municipal separate storm sewer systems, or MS4s). The permit contains effluent limitations and requirements applicable to all industrial activities that are eligible for coverage under this general permit. Industrial activities are subdivided into 30 industrial sectors.

This permit does not cover return flows from irrigated agriculture or agricultural runoff.

Section A. Discharges Eligible for Authorization by General Permit

1. Industrial Activities Covered

(a) Need for a Permit. If any of the following criteria are met, a facility must have authorization for stormwater discharges and may obtain authorization under this general permit, if coverage is not otherwise prohibited:

(1) The Standard Industrial Classification (SIC) code that describes the facility (i.e., the primary SIC code) is listed in Part II, Section A.1.b. below and in Part V of this general permit; or

(2) The facility conducts an activity described by one or more Industrial Activity Codes described in Sectors K, L, O, or T (as listed in Part II, Section A.1.b. below and in Part V., Sections K, L, O, and T of this general permit); or

(3) Stormwater discharges from the facility are subject to federal categorical effluent limitations for stormwater in Title 40 CFR Subchapter N Parts 400-471 (See Sectors A, C, D, E, I, J, O, and S in Part V of this general permit), or

(4) The facility has been designated by the executive director as requiring coverage under Sector AD.

The requirements for publicly owned facilities are further described below in Part II, Section A.5. of this general permit.

(b) Regulated SIC Codes and Industrial Activity Codes (Industrial Sectors)

Industrial activities are grouped into 30 sectors of similar activities based on either SIC codes or Industrial Activity Codes.

SECTOR A: TIMBER PRODUCTS

SIC Code	SIC Code Description	2017 NAICS Code	NAICS Code Description
2411	Logging	113310	Logging
2421	General Sawmills and Planing Mills	321113	Sawmills
		321912	Cut Stock, Resawing Lumber, and Planing
		321918	Other Millwork (including Flooring)
		321920	Wood Container and Pallet Manufacturing
		321999	All Other Miscellaneous Wood Product Manufacturing
2426	Hardwood Dimension and Flooring Mills	321113	Sawmills
		321912	Cut Stock, Resawing Lumber, and Planing
		321918	Other Millwork (including Flooring)
		337215	Showcase, Partition, Shelving, and Locker Manufacturing
2429	Special Product Sawmills, Not Elsewhere Classified	321113	Sawmills
		321920	Wood Container and Pallet Manufacturing
		321999	All Other Miscellaneous Wood Product Manufacturing
2431	Millwork	321911	Wood Window and Door Manufacturing
		321918	Other Millwork (including Flooring)
2435	Hardwood Veneer and Plywood	321211	Hardwood Veneer and Plywood Manufacturing

SIC Code	SIC Code Description	2017 NAICS Code	NAICS Code Description
2436	Softwood Veneer and Plywood	321212	Softwood Veneer and Plywood Manufacturing
2439	Structural Wood Members, Not Elsewhere Classified	321213	Engineered Wood Member (except Truss) Manufacturing
		321214	Truss Manufacturing
2441	Nailed and Lock Corner Wood Boxes and Shook	321920	Wood Container and Pallet Manufacturing
2448	Wood Pallets and Skids	321920	Wood Container and Pallet Manufacturing
2449	Wood Containers, Not Elsewhere Classified	321920	Wood Container and Pallet Manufacturing
2451	Mobile Homes	321991	Manufactured Home (Mobile Home) Manufacturing
2452	Prefabricated Wood Buildings and Components	321992	Prefabricated Wood Building Manufacturing
2491	Wood Preserving	321114	Wood Preservation
2493	Reconstituted Wood Products	321219	Reconstituted Wood Product Manufacturing
2499	Wood Products, Not Elsewhere Classified	321920	Wood Container and Pallet Manufacturing
		321999	All Other Miscellaneous Wood Product Manufacturing
		333415	Air-Conditioning and Warm Air Heating Equipment and Commercial and Industrial Refrigeration Equipment Manufacturing
		337125	Household Furniture (except Wood and Metal) Manufacturing

SIC Code	SIC Code Description	2017 NAICS Code	NAICS Code Description
		339113	Surgical Appliance and Supplies Manufacturing
		339999	All Other Miscellaneous Manufacturing

SECTOR B: PAPER AND ALLIED PRODUCTS

SIC Code	SIC Code Description	2017 NAICS Code	NAICS Code Description
2611	Pulp Mills	322110	Pulp Mills
		322121	Paper (except Newsprint) Mills
		322122	Newsprint Mills
		322130	Paperboard Mills
2621	Paper Mills	322121	Paper (except Newsprint) Mills
		322122	Newsprint Mills
2631	Paperboard Mills	322130	Paperboard Mills
2652	Setup Paperboard Boxes	322219	Other Paperboard Container Manufacturing
2653	Corrugated and Solid Fiber Boxes	322211	Corrugated and Solid Fiber Box Manufacturing
2655	Fiber Cans, Tubes, Drums, and Similar Products	322219	Other Paperboard Container Manufacturing
2656	Sanitary Food Containers, Except Folding	322219	Other Paperboard Container Manufacturing
2657	Folding Paperboard Boxes, Including Sanitary	322212	Folding Paperboard Box Manufacturing

SIC Code	SIC Code Description	2017 NAICS Code	NAICS Code Description
2671	Packaging Paper and Plastics Film, Coated and Laminated	322220	Paper Bag and Coated and Treated Paper Manufacturing
		326112	Plastics Packaging Film and Sheet (including Laminated) Manufacturing
2672	Coated and Laminated Paper, Not Elsewhere Classified	322220	Paper Bag and Coated and Treated Paper Manufacturing
2673	Plastics, Foil, and Coated Paper Bags	322220	Paper Bag and Coated and Treated Paper Manufacturing
		326111	Plastics Bag and Pouch Manufacturing
2674	Uncoated Paper and Multiwall Bags	322220	Paper Bag and Coated and Treated Paper Manufacturing
2675	Die-Cut Paper and Paperboard and Cardboard	322220	Paper Bag and Coated and Treated Paper Manufacturing
		322230	Stationery Product Manufacturing
		322299	All Other Converted Paper Product Manufacturing
2676	Sanitary Paper Products	322291	Sanitary Paper Product Manufacturing
2677	Envelopes	322230	Stationery Product Manufacturing
2678	Stationery, Tablets, and Related Products	322230	Stationery Product Manufacturing
2679	Converted Paper and Paperboard Products, Not Elsewhere Classified	322211	Corrugated and Solid Fiber Box Manufacturing
		322220	Paper Bag and Coated and Treated Paper Manufacturing
		322230	Stationery Product Manufacturing
		322299	All Other Converted Paper Product Manufacturing

SECTOR C: CHEMICAL AND ALLIED PRODUCTS

SIC Code	SIC Code Description	2017 NAICS Code	NAICS Code Description
2812	Alkalies and Chlorine	325180	Other Basic Inorganic Chemical Manufacturing
2813	Industrial Gases	325120	Industrial Gas Manufacturing
2816	Inorganic Pigments	325130	Synthetic Dye and Pigment Manufacturing
		325180	Other Basic Inorganic Chemical Manufacturing
2821	Plastics Materials, Synthetic Resins, and Nonvulcanizable Elastomers	325211	Plastics Material and Resin Manufacturing
2822	Synthetic Rubber (Vulcanizable Elastomers)	325212	Synthetic Rubber Manufacturing
2823	Cellulosic Manmade Fibers	325220	Artificial and Synthetic Fibers and Filaments Manufacturing
2824	Manmade Organic Fibers, Except Cellulosic	325220	Artificial and Synthetic Fibers and Filaments Manufacturing
2833	Medicinal Chemicals and Botanical Products	325411	Medicinal and Botanical Manufacturing
2834	Pharmaceutical Preparations	325412	Pharmaceutical Preparation Manufacturing
2835	In Vitro and In Vivo Diagnostic Substances	325412	Pharmaceutical Preparation Manufacturing
		325413	In Vitro Diagnostic Substance Manufacturing
2836	Biological Products, Except Diagnostic Substances	325414	Biological Product (except Diagnostic) Manufacturing
2841	Soap and Other Detergents, Except Specialty Cleaners	325611	Soap and Other Detergent Manufacturing

SIC Code	SIC Code Description	2017 NAICS Code	NAICS Code Description
2842	Specialty Cleaning, Polishing, and Sanitation Preparations	325612	Polish and Other Sanitation Good Manufacturing
2843	Surface Active Agents, Finishing Agents, Sulfonated Oils, and Assistants	325613	Surface Active Agent Manufacturing
2844	Perfumes, Cosmetics, and Other Toilet Preparations	325611	Soap and Other Detergent Manufacturing
		325620	Toilet Preparation Manufacturing
2851	Paints, Varnishes, Lacquers, Enamels, and Allied Products	325510	Paint and Coating Manufacturing
2861	Gum and Wood Chemicals	325194	Cyclic Crude, Intermediate, and Gum and Wood Chemical Manufacturing
2865	Cyclic Organic Crudes and Intermediates, and Organic Dyes and Pigments	325110	Petrochemical Manufacturing
		325130	Synthetic Dye and Pigment Manufacturing
		325194	Cyclic Crude, Intermediate, and Gum and Wood Chemical Manufacturing
2869	Industrial Organic Chemicals, Not Elsewhere Classified	325110	Petrochemical Manufacturing
		325120	Industrial Gas Manufacturing
		325180	Other Basic Inorganic Chemical Manufacturing
		325193	Ethyl Alcohol Manufacturing
		325194	Cyclic Crude, Intermediate, and Gum and Wood Chemical Manufacturing
		325199	All Other Basic Organic Chemical Manufacturing
		325998	All Other Miscellaneous Chemical Product and Preparation Manufacturing

SIC Code	SIC Code Description	2017 NAICS Code	NAICS Code Description
2873	Nitrogenous Fertilizers	325311	Nitrogenous Fertilizer Manufacturing
2874	Phosphatic Fertilizers	325312	Phosphatic Fertilizer Manufacturing
2875	Fertilizers, Mixing Only	325314	Fertilizer (Mixing Only) Manufacturing
2879	Pesticides and Agricultural Chemicals, Not Elsewhere Classified	325320	Pesticides and Other Agricultural Chemical Manufacturing
2891	Adhesives and Sealants	325520	Adhesive Manufacturing
2892	Explosives	325920	Explosives Manufacturing
2893	Printing Ink	325910	Printing Ink Manufacturing
2895	Carbon Black	325180	Other Basic Inorganic Chemical Manufacturing
2899	Chemicals and Chemical Preparations, Not Elsewhere Classified	311942	Spice and Extract Manufacturing
		325199	All Other Basic Organic Chemical Manufacturing
		325510	Paint and Coating Manufacturing
		325998	All Other Miscellaneous Chemical Product and Preparation Manufacturing
2911	Petroleum Refining	324110	Petroleum Refineries
3952	Limited to List of Inks and Paints including: China Painting Enamels, India Ink, Drawing Ink, Platinum Paints for Burnt Wood or Leather Work, Paints for China Painting; Artist's Paints, and Artist's Watercolors	325998	All Other Miscellaneous Chemical Product and Preparation Manufacturing
		339940	Office Supplies (except Paper) Manufacturing

SECTOR D: ASPHALT PAVING AND ROOFING MATERIALS AND LUBRICANTS

SIC Code	SIC Code Description	2017 NAICS Code	NAICS Code Description
2951	Asphalt Paving Mixtures and Blocks	324121	Asphalt Paving Mixture and Block Manufacturing
2952	Asphalt Felts and Coatings	324122	Asphalt Shingle and Coating Materials Manufacturing
2992	Lubricating Oils and Greases	324191	Petroleum Lubricating Oil and Grease Manufacturing
2999	Products of Petroleum and Coal, Not Elsewhere Classified	324199	All Other Petroleum and Coal Products Manufacturing

SECTOR E: GLASS, CLAY, CEMENT, CONCRETE, AND GYPSUM PRODUCTS

SIC Code	SIC Code Description	2017 NAICS Code	NAICS Code Description
3211	Flat Glass	327211	Flat Glass Manufacturing
3221	Glass Containers	327213	Glass Container Manufacturing
3229	Pressed and Blown Glass and Glassware, Not Elsewhere Classified	327212	Other Pressed and Blown Glass and Glassware Manufacturing
3231	Glass Products, Made of Purchased Glass	327215	Glass Product Manufacturing Made of Purchased Glass
3241	Cement, Hydraulic	327310	Cement Manufacturing
3251	Brick and Structural Clay Tile	327120	Clay Building Material and Refractories Manufacturing
		327331	Concrete Block and Brick Manufacturing
3253	Ceramic Wall and Floor Tile	327120	Clay Building Material and Refractories Manufacturing

SIC Code	SIC Code Description	2017 NAICS Code	NAICS Code Description
3255	Clay Refractories	327120	Clay Building Material and Refractories Manufacturing
3259	Structural Clay Products, Not Elsewhere Classified	327120	Clay Building Material and Refractories Manufacturing
3261	Vitreous China Plumbing Fixtures and China and Earthenware Fittings and Bathroom Accessories	327110	Pottery, Ceramics, and Plumbing Fixture Manufacturing
3262	Vitreous China Table and Kitchen Articles	327110	Pottery, Ceramics, and Plumbing Fixture Manufacturing
3263	Fine Earthenware (Whiteware) Table and Kitchen Articles	327110	Pottery, Ceramics, and Plumbing Fixture Manufacturing
3264	Porcelain Electrical Supplies	327110	Pottery, Ceramics, and Plumbing Fixture Manufacturing
3269	Pottery Products, Not Elsewhere Classified	327110	Pottery, Ceramics, and Plumbing Fixture Manufacturing
3271	Concrete Block and Brick	327331	Concrete Block and Brick Manufacturing
3272	Concrete Products, Except Block and Brick	327332	Concrete Pipe Manufacturing
		327390	Other Concrete Product Manufacturing
		327999	All Other Miscellaneous Nonmetallic Mineral Product Manufacturing
3273	Ready-Mixed Concrete	327320	Ready-Mix Concrete Manufacturing
3274	Lime	327410	Lime Manufacturing
3275	Gypsum Products	327420	Gypsum Product Manufacturing
3281	Cut Stone and Stone Products	327991	Cut Stone and Stone Product Manufacturing
3291	Abrasive Products	327910	Abrasive Product Manufacturing

SIC Code	SIC Code Description	2017 NAICS Code	NAICS Code Description
		332999	All Other Miscellaneous Fabricated Metal Product Manufacturing
3292	Asbestos Product	327999	All Other Miscellaneous Nonmetallic Mineral Product Manufacturing
		336340	Motor Vehicle Brake System Manufacturing
		336350	Motor Vehicle Transmission and Power Train Parts Manufacturing
3295	Minerals and Earths, Ground or Otherwise Treated	212324	Kaolin and Ball Clay Mining
		212325	Clay and Ceramic and Refractory Minerals Mining
		212393	Other Chemical and Fertilizer Mineral Mining
		212399	All Other Nonmetallic Mineral Mining
		327992	Ground or Treated Mineral and Earth Manufacturing
3296	Mineral Wool	327993	Mineral Wool Manufacturing
3297	Nonclay Refractories	327120	Clay Building Material and Refractories Manufacturing
3299	Nonmetallic Mineral Products, Not Elsewhere Classified	327110	Pottery, Ceramics, and Plumbing Fixture Manufacturing
		327420	Gypsum Product Manufacturing
		327999	All Other Miscellaneous Nonmetallic Mineral Product Manufacturing

SECTOR F: PRIMARY METALS

SIC Code	SIC Code Description	2017 NAICS Code	NAICS Code Description
3312	Steel Works, Blast Furnaces (including Coke Ovens), and Rolling Mills	324199	All Other Petroleum and Coal Products Manufacturing
		331110	Iron and Steel Mills and Ferroalloy Manufacturing
		331221	Rolled Steel Shape Manufacturing
3313	Electrometallurgical Products, Except Steel	331110	Iron and Steel Mills and Ferroalloy Manufacturing
3315	Steel Wiredrawing and Steel Nails and Spikes	312222	Steel Wire Drawing
		332618	Other Fabricated Wire Product Manufacturing
3316	Cold-Rolled Steel Sheet, Strip, and Bars	331221	Rolled Steel Shape Manufacturing
3317	Steel Pipe and Tubes	331210	Iron and Steel Pipe and Tube Manufacturing from Purchased Steel
3321	Gray and Ductile Iron Foundries	331511	Iron Foundries
3322	Malleable Iron Foundries	331511	Iron Foundries
3324	Steel Investment Foundries	331512	Steel Investment Foundries
3325	Steel Foundries, Not Elsewhere Classified	331513	Steel Foundries (except Investment)
3331	Primary Smelting and Refining of Copper	331410	Nonferrous Metal (except Aluminum) Smelting and Refining
3334	Primary Production of Aluminum	331313	Alumina Refining and Primary Aluminum Production
3339	Primary Smelting and Refining of Nonferrous Metals, Except Copper and Aluminum	331410	Nonferrous Metal (except Aluminum) Smelting and Refining

SIC Code	SIC Code Description	2017 NAICS Code	NAICS Code Description
3341	Secondary Smelting and Refining of Nonferrous Metals	331314	Secondary Smelting and Alloying of Aluminum
		331420	Copper Rolling, Drawing, Extruding, and Alloying
		331492	Secondary Smelting, Refining, and Alloying of Nonferrous Metal (except Copper and Aluminum)
3351	Rolling, Drawing, and Extruding of Copper	331420	Copper Rolling, Drawing, Extruding, and Alloying
3353	Aluminum Sheet, Plate, and Foil	331315	Aluminum Sheet, Plate, and Foil Manufacturing
3354	Aluminum Extruded Products	331318	Other Aluminum Rolling, Drawing, and Extruding
3355	Aluminum Rolling and Drawing, Not Elsewhere Classified	331318	Other Aluminum Rolling, Drawing, and Extruding
3356	Rolling, Drawing, and Extruding of Nonferrous Metals, Except Copper and Aluminum	331491	Nonferrous Metal (except Copper and Aluminum) Rolling, Drawing, and Extruding
3357	Drawing and Insulating of Nonferrous Wire	331318	Other Aluminum Rolling, Drawing, and Extruding
		331420	Copper Rolling, Drawing, Extruding, and Alloying
		331491	Nonferrous Metal (except Copper and Aluminum) Rolling, Drawing, and Extruding
		335921	Fiber Optic Cable Manufacturing
		335929	Other Communication and Energy Wire Manufacturing
3363	Aluminum Die-Castings	331523	Nonferrous Metal Die-Casting Foundries

SIC Code	SIC Code Description	2017 NAICS Code	NAICS Code Description
3364	Nonferrous Die-Castings, Except Aluminum	331523	Nonferrous Metal Die-Casting Foundries
3365	Aluminum Foundries	331524	Aluminum Foundries (except Die-Casting)
3366	Copper Foundries	331529	Other Nonferrous Metal Foundries (except Die-Casting)
3369	Nonferrous Foundries, Except Aluminum and Copper	331529	Other Nonferrous Metal Foundries (except Die-Casting)
3398	Metal Heat Treating	332811	Metal Heat Treating
3399	Primary Metal Products, Not Elsewhere Classified	331110	Iron and Steel Mills and Ferroalloy Manufacturing
		331221	Rolled Steel Shape Manufacturing
		331314	Secondary Smelting and Alloying of Aluminum
		331420	Copper Rolling, Drawing, Extruding, and Alloying
		331492	Secondary Smelting, Refining, and Alloying of Nonferrous Metal (except Copper and Aluminum)
		332618	Other Fabricated Wire Product Manufacturing
		332813	Electroplating, Plating, Polishing, Anodizing and Coloring

SECTOR G: METAL MINING (ORE MINING AND DRESSING)

SIC Code	SIC Code Description	2017 NAICS Code	NAICS Code Description
1011	Iron Ores	212210	Iron Ore Mining
1021	Copper Ores	212230	Copper, Nickel, Lead, and Zinc Mining
1031	Lead and Zinc Ores	212230	Copper, Nickel, Lead, and Zinc Mining
1041	Gold Ores	212221	Gold Ore Mining
1044	Silver Ores	212222	Silver Ore Mining
1061	Ferroalloy Ores, Except Vanadium	212230	Copper, Nickel, Lead, and Zinc Mining
		212299	All Other Metal Ore Mining
1081	Metal Mining Services	213114	Support Activities for Metal Mining
		238910	Site Preparation Contractors
1094	Uranium-Radium-Vanadium Ores	212291	Uranium-Radium-Vanadium Ore Mining
1099	Miscellaneous Metal Ores, Not Elsewhere Classified	212299	All Other Metal Ore Mining

SECTOR H: COAL MINES AND COAL MINING RELATED FACILITIES

SIC Code	SIC Code Description	2017 NAICS Code	NAICS Code Description
1221	Bituminous Coal and Lignite Surface Mining	212111	Bituminous Coal and Lignite Surface Mining
1222	Bituminous Coal Underground Mining	212112	Bituminous Coal Underground Mining
1231	Anthracite Mining	212113	Anthracite Mining
1241	Coal Mining Services	213113	Support Activities for Coal

SIC Code	SIC Code Description	2017 NAICS Code	NAICS Code Description
		238910	Site Preparation Contractors

SECTOR I: OIL AND GAS EXTRACTION FACILITIES

SIC Code	SIC Code Description	2017 NAICS Code	NAICS Code Description
Industrial Activities regulated under the EPA Region 6 NPDES Program:			
1311	Crude Petroleum and Natural Gas	211120	Crude Petroleum Extraction
1321	Natural Gas Liquids	211130	Natural Gas Extraction
1381	Drilling Oil and Gas Wells	213111	Drilling Oil and Gas Wells
1382	Oil and Gas Field Exploration Services	213112	Support Activities for Oil and Gas Operations
1389	Oil and Gas Field Services, Not Elsewhere Classified (Applies to activities that occur in the field other than oil field service company "home base" facilities)	213112	Support Activities for Oil and Gas Operations
		237120	Oil and Gas Pipeline and Related Structures Construction
		238910	Site Preparation Contractors
Industrial Activities Regulated under this General Permit:			
1389	Oil and Gas Field Services, Not Elsewhere Classified (Applies to activities that do not occur in the field; those that occur at a company headquarters, permanent offices, or base of operations, or at oil field service company "home base" facilities)	No NAICS Code Equivalent	No NAICS Code Equivalent

SECTOR J: MINERAL MINING AND PROCESSING FACILITIES

SIC Code	SIC Code Description	2017 NAICS Code	NAICS Code Description
1411	Dimension Stone	212311	Dimension Stone Mining and Quarrying
1422	Crushed and Broken Limestone	212312	Crushed and Broken Limestone Mining and Quarrying
1423	Crushed and Broken Granite	212313	Crushed and Broken Granite Mining and Quarrying
1429	Crushed and Broken Stone, Not Elsewhere Classified	212319	Other Crushed and Broken Stone Mining and Quarrying
1442	Construction Sand and Gravel	212321	Construction Sand and Gravel Mining
1446	Industrial Sand	212322	Industrial Sand Mining
1455	Kaolin and Ball Clay	212324	Kaolin and Ball Clay Mining
1459	Clay, Ceramic, and Refractory Minerals, Not Elsewhere Classified	212325	Clay and Ceramic and Refractory Minerals Mining
1474	Potash, Soda, and Borate Minerals	212391	Potash, Soda, and Borate Mineral Mining
1475	Phosphate Rock	212392	Phosphate Rock Mining
1479	Chemical and Fertilizer Mineral Mining, Not Elsewhere Classified	212393	Other Chemical and Fertilizer Mineral Mining
1481	Nonmetallic Minerals Services, Except Fuels	213115	Support Activities for Nonmetallic Minerals (except Fuels) Mining
		238910	Site Preparation Contractors
1499	Miscellaneous Nonmetallic Minerals, Except Fuels	212319	Other Crushed and Broken Stone Mining and Quarrying
		212399	All Other Nonmetallic Mineral Mining

SECTOR K: HAZARDOUS WASTE TREATMENT, STORAGE, AND DISPOSAL FACILITIES

Activity Code	Activity Code Description	2017 NAICS Code	Notes
HZ	Hazardous Waste Treatment, Storage and Disposal Facilities	No NAICS Code Equivalent	Activity Codes are non-SIC / non-NAICS designation See Part V, Section K for Detailed Description of Sector

SECTOR L: LANDFILLS AND LAND APPLICATION SITES

Activity Code	Activity Code Description	2017 NAICS Code	Notes
LF	Landfills, Land Application Sites, and Open Dumps	No NAICS Code Equivalent	Activity Codes are non-SIC / non-NAICS designation See Part V, Section L for Detailed Description of Sector

SECTOR M: AUTOMOBILE SALVAGE YARDS

SIC Code	SIC Code Description	2017 NAICS Code	NAICS Code Description
5015	Motor Vehicle Parts, Used (Automobile Salvage Yard)	423140	Motor Vehicle Parts (Used) Merchant Wholesalers

SECTOR N: SCRAP AND WASTE RECYCLING FACILITIES

SIC Code	SIC Code Description	2017 NAICS Code	NAICS Code Description
5093	Scrap and Waste Materials	423930	Recyclable Material Merchant Wholesalers
		425110	Business to Business Electronic Markets

SIC Code	SIC Code Description	2017 NAICS Code	NAICS Code Description
5093	Scrap and Waste Materials	425120	Wholesale Trade Agents and Brokers

SECTOR O: STEAM ELECTRIC GENERATING FACILITIES

Activity Code	Activity Code Description	2017 NAICS Code	Notes
SE	Steam Electric Power Generating Facilities	No NAICS Code Equivalent	Activity Codes are non-SIC / non-NAICS designation See Part V, Section O for detailed description of Sector

SECTOR P: LAND TRANSPORTATION AND WAREHOUSING

SIC Code	SIC Code Description	2017 NAICS Code	NAICS Code Description
4011	Railroads, Line-Haul Operating	482111	Line-Haul Railroads
4013	Railroad Switching and Terminal Establishments	482112	Short Line Railroads
		488210	Support Activities for Rail Transportation
4111	Local and Suburban Transit	485111	Mixed Mode Transit Systems
		485112	Commuter Rail Systems
		485113	Bus and Other Motor Vehicle Transit Systems
		485119	Other Urban Transit Systems
		485999	All Other Transit and Ground Passenger Transportation
4119		485320	Limousine Service

SIC Code	SIC Code Description	2017 NAICS Code	NAICS Code Description
	Local Passenger Transportation, Not Elsewhere Classified	485410	School and Employee Bus Transportation
		485991	Special Needs Transportation
		485999	All Other Transit and Ground Passenger Transportation
		487110	Scenic and Sightseeing Transportation, Land
		621910	Ambulance Services
4121	Taxicabs	485310	Taxi Service
4131	Intercity and Rural Bus Transportation	485210	Interurban and Rural Bus Transportation
4141	Local Bus Charter Service	485510	Charter Bus Industry
4142	Bus Charter Service, Except Local	485510	Charter Bus Industry
4151	School Buses	485410	School and Employee Bus Transportation
4173	Terminal and Service Facilities for Motor Vehicle Passenger Transportation	488490	Other Support Activities for Road Transportation
4212	Local Trucking Without Storage	484110	General Freight Trucking, Local
		484210	Used Household and Office Goods Moving
		484220	Specialized Freight (except Used Goods) Trucking, Local
		562111	Solid Waste Collection
		562112	Hazardous Waste Collection
		562119	Other Waste Collection

SIC Code	SIC Code Description	2017 NAICS Code	NAICS Code Description
4213	Trucking, Except Local	484121	General Freight Trucking, Long-Distance, Truckload
		484122	General Freight Trucking, Long-Distance, Less Than Truckload
		484210	Used Household and Office Goods Moving
		484230	Specialized Freight (except Used Goods) Trucking, Long-Distance
4214	Local Trucking With Storage	484110	General Freight Trucking, Local
		484210	Used Household and Office Goods Moving
		484220	Specialized Freight (except Used Goods) Trucking, Local
4215	Courier Services, Except by Air	492110	Couriers and Express Delivery Services
		492210	Local Messengers and Local Delivery
4221	Farm Product Warehousing and Storage	493130	Farm Product Warehousing and Storage
4222	Refrigerated Warehousing and Storage	493120	Refrigerated Warehousing and Storage
4225	General Warehousing and Storage	493110	General Warehousing and Storage
		531130	Lessors of Miniwarehouses and Self-Storage Units
4226	Special Warehousing and Storage, Not Elsewhere Classified	493110	General Warehousing and Storage
		493120	Refrigerated Warehousing and Storage
		493190	Other Warehousing and Storage

SIC Code	SIC Code Description	2017 NAICS Code	NAICS Code Description
4231	Terminal and Joint Terminal Maintenance Facilities for Motor Freight Transportation	488490	Other Support Activities for Road Transportation
4311	United States Postal Service	491110	Postal Service
5171	Petroleum Bulk Stations and Terminals (primarily engaged in the wholesale distribution of crude petroleum and petroleum products, including liquefied petroleum gas, from bulk liquid storage facilities)	424710	Petroleum Bulk Stations and Terminals
		454310	Fuel Dealers

SECTOR Q: WATER TRANSPORTATION

SIC Code	SIC Code Description	2017 NAICS Code	NAICS Code Description
4412	Deep Sea Foreign Transportation of Freight	483111	Deep Sea Freight Transportation
4424	Deep Sea Domestic Transportation of Freight	483113	Coastal and Great Lakes Freight Transportation
4449	Water Transportation of Freight, Not Elsewhere Classified	483211	Inland Water Freight Transportation
4481	Deep Sea Transportation of Passengers, Except by Ferry	483112	Deep Sea Passenger Transportation
		483114	Coastal Passenger Transportation
4482	Ferries	483114	Coastal and Great Lakes Passenger Transportation
		483212	Inland Water Passenger Transportation
4489	Water Transportation of Passengers, Not Elsewhere Classified	483212	Inland Water Passenger Transportation
		487210	Scenic and Sightseeing Transportation, Water

SIC Code	SIC Code Description	2017 NAICS Code	NAICS Code Description
4491	Marine Cargo Handling	488310	Port and Harbor Operations
		488320	Marine Cargo Handling
4492	Towing and Tugboat Services	488330	Navigational Services to Shipping
4493	Marinas	713930	Marinas
4499	Water Transportation Services, Not Elsewhere Classified	483211	Inland Water Freight Transportation
		488310	Port and Harbor Operations
		488330	Navigational Services to Shipping
		488390	Other Support Activities for Water Transportation
		532411	Commercial Air, Rail, and Water Transportation Equipment Rental and Leasing

SECTOR R: SHIP AND BOAT BUILDING OR REPAIRING YARDS

SIC Code	SIC Code Description	2017 NAICS Code	NAICS Code Description
3731	Ship Building and Repairing	336611	Ship Building and Repairing
		488390	Other Support Activities for Water Transportation
3732	Boat Building and Repairing	336612	Boat Building
		811490	Other Personal and Household Goods Repair and Maintenance

SECTOR S: AIR TRANSPORTATION

SIC Code	SIC Code Description	2017 NAICS Code	NAICS Code Description
4512	Air Transportation, Scheduled	481111	Scheduled Passenger Air Transportation
		481112	Scheduled Freight Air Transportation
4513	Air Courier Services	492110	Couriers and Express Delivery Services
4522	Air Transportation, Nonscheduled	481211	Nonscheduled Chartered Passenger Air Transportation
		481212	Nonscheduled Chartered Freight Air Transportation
		481219	Other Nonscheduled Air Transportation
		487990	Scenic and Sightseeing Transportation, Other
		621910	Ambulance Services
4581	Airports, Flying Fields, and Airport Terminal Services	488119	Other Airport Operations
		488190	Other Support Activities for Air Transportation

SECTOR T: TREATMENT WORKS

Activity Code	Activity Code Description	2017 NAICS Code	Notes
TW	Certain Wastewater Treatment Plants	No NAICS Code Equivalent	Activity Codes are non-SIC / non-NAICS designation See Part V, Section T for Detailed Description of Sector

SECTOR U: FOOD AND KINDRED PRODUCTS FACILITIES

SIC Code	SIC Code Description	2017 NAICS Code	NAICS Code Description
2011	Meat Packing Plants	311611	Animal (except Poultry) Slaughtering
2013	Sausages and Other Prepared Meat Products	311612	Meat Processed from Carcasses
		311613	Rendering and Meat Byproduct Processing
2015	Poultry Slaughtering and Processing	311615	Poultry Processing
		311999	All Other Miscellaneous Food Manufacturing
2021	Creamery Butter	311512	Creamery Butter Manufacturing
2022	Natural, Processed, and Imitation Cheese	311513	Cheese Manufacturing
2023	Dry, Condensed, and Evaporated Dairy Products	311511	Fluid Milk Manufacturing
		311514	Dry, Condensed, and Evaporated Dairy Product Manufacturing
2024	Ice Cream and Frozen Deserts	311520	Ice Cream and Frozen Desert Manufacturing
2026	Fluid Milk	311511	Fluid Milk Manufacturing
		311514	Dry, Condensed, and Evaporated Dairy Product Manufacturing
2032	Canned Specialties	311422	Specialty Canning
		311999	All Other Miscellaneous Food Manufacturing
2033	Canned Fruits, Vegetables, Preserves, Jams, and Jellies	311421	Fruit and Vegetable Canning
2034	Dried and Dehydrated Fruits, Vegetables, and Soup Mixes	311211	Flour Milling
		311423	Dried and Dehydrated Food Manufacturing

SIC Code	SIC Code Description	2017 NAICS Code	NAICS Code Description
		311999	All Other Miscellaneous Food Manufacturing
2035	Pickled Fruits and Vegetables, Vegetable Sauces and Seasonings, and Salad Dressings	311421	Fruit and Vegetable Canning
		311941	Mayonnaise, Dressing, and Other Prepared Sauce Manufacturing
2037	Frozen Fruits, Fruit Juices, and Vegetables	311411	Frozen Fruit, Juice, and Vegetable Manufacturing
2038	Frozen Specialties, Not Elsewhere Classified	311412	Frozen Specialty Food Manufacturing
2041	Flour and Other Grain Mill Products	311211	Flour Milling
2043	Cereal Breakfast Foods	311230	Breakfast Cereal Manufacturing
		311920	Coffee and Tea Manufacturing
2044	Rice Milling	311212	Rice Milling
2045	Prepared Flour Mixes and Doughs	311824	Dry Pasta, Dough, and Flour Mixes Manufacturing from Purchased Flour
2046	Wet Corn Milling	311221	Wet Corn Milling
		311225	Fats and Oils Refining and Blending
2047	Dog and Cat Food	311111	Dog and Cat Food Manufacturing
2048	Prepared Feed and Feed Ingredients for Animals and Fowls, Except Dogs and Cats	311119	Other Animal Food Manufacturing
		311611	Animal (except Poultry) Slaughtering
2051	Bread and Other Bakery Products, Except Cookies and Crackers	311812	Commercial Bakeries
2052	Cookies and Crackers	311812	Commercial Bakeries
		311821	Cookie and Cracker Manufacturing
		311919	Other Snack Food Manufacturing

SIC Code	SIC Code Description	2017 NAICS Code	NAICS Code Description
2053	Frozen Bakery Products, Except Bread	311813	Frozen Cakes, Pies, and Other Pastries Manufacturing
2061	Cane Sugar, Except Refining	311314	Cane Sugar Manufacturing
2062	Cane Sugar Refining	311314	Cane Sugar Refining
2063	Beet Sugar	311313	Beet Sugar Manufacturing
2064	Candy and Other Confectionery Products	311340	Nonchocolate Confectionery Manufacturing
		311352	Confectionery Manufacturing from Purchased Chocolate
2066	Chocolate and Cocoa Products	311351	Chocolate and Confectionery Manufacturing from Cacao Beans
		311352	Confectionery Manufacturing from Purchased Chocolate
2067	Chewing Gum	311340	Nonchocolate Confectionery Manufacturing
2068	Salted and Roasted Nuts and Seeds	311911	Roasted Nuts and Peanut Butter Manufacturing
2074	Cottonseed Oil Mills	311224	Soybean and Other Oilseed Processing
		311225	Fats and Oils Refining and Blending
2075	Soybean Oil Mills	311224	Soybean and Other Oilseed Processing
		311225	Fats and Oils Refining and Blending
2076	Vegetable Oil Mills, Except Corn, Cottonseed, and Soybean	311224	Soybean and Other Oilseed Processing
		311225	Fats and Oils Refining and Blending
2077	Animal and Marine Fats and Oils	311613	Rendering and Meat Byproduct Processing
		311710	Seafood Product Preparation and Packaging

SIC Code	SIC Code Description	2017 NAICS Code	NAICS Code Description
2079	Shortening, Table Oils, Margarine, and Other Edible Fats and Oils, Not Elsewhere Classified	311224	Soybean and Other Oilseed Processing
		311225	Fats and Oils Refining and Blending
2082	Malt Beverages	311942	Spice and Extract Manufacturing
		312120	Breweries
2083	Malt	311213	Malt Manufacturing
2084	Wines, Brandy, and Brandy Spirits	312130	Wineries
2085	Distilled and Blended Liquors	312130	Wineries
		312140	Distilleries
2086	Bottled and Canned Soft Drinks and Carbonated Water	312111	Soft Drink Manufacturing
		312112	Bottled Water Manufacturing
2087	Flavoring Extracts and Flavoring Syrups, Not Elsewhere Classified	311920	Coffee and Tea Manufacturing
		311930	Flavoring Syrup and Concentrate Manufacturing
		311942	Spice and Extract Manufacturing
		311999	All Other Miscellaneous Food Manufacturing
2091	Canned and Cured Fish and Seafood	311710	Seafood Product Preparation and Packaging
2092	Prepared Fresh or Frozen Fish and Seafood	311710	Seafood Product Preparation and Packaging
2095	Roasted Coffee	311920	Coffee and Tea Manufacturing
2096	Potato Chips, Corn Chips, and Similar Snacks	311919	Other Snack Food Manufacturing
2097	Manufactured Ice	312113	Ice Manufacturing

SIC Code	SIC Code Description	2017 NAICS Code	NAICS Code Description
2098	Macaroni, Spaghetti, Vermicelli, and Noodles	311824	Dry Pasta, Dough, and Flour Mixes Manufacturing from Purchased Flour
2099	Food Preparations, Not Elsewhere Classified	111998	All Other Miscellaneous Crop Farming
		311212	Rice Milling
		311340	Nonchocolate Confectionery Manufacturing
		311423	Dried and Dehydrated Food Manufacturing
		311824	Dry Pasta, Dough, and Flour Mixes Manufacturing from Purchased Flour
		311830	Tortilla Manufacturing
		311911	Roasted Nuts and Peanut Butter Manufacturing
		311920	Coffee and Tea Manufacturing
		311941	Mayonnaise, Dressing, and Other Prepared Sauce Manufacturing
		311942	Spice and Extract Manufacturing
		311991	Perishable Prepared Food Manufacturing
		311999	All Other Miscellaneous Food Manufacturing
2111	Cigarettes	312230	Tobacco Manufacturing
2121	Cigars	312230	Tobacco Manufacturing
2131	Chewing and Smoking Tobacco and Snuff	312230	Tobacco Manufacturing
2141	Tobacco Stemming and Redrying	312230	Tobacco Manufacturing

SECTOR V: TEXTILE MILLS, APPAREL, AND OTHER FABRIC PRODUCT MANUFACTURING FACILITIES

SIC Code	SIC Code Description	2017 NAICS Code	NAICS Code Description
2211	Broadwoven Fabric Mills, Cotton	313210	Broadwoven Fabric Mills
2221	Broadwoven Fabric Mills, Manmade Fiber and Silk	313210	Broadwoven Fabric Mills
2231	Broadwoven Fabric Mills, Wool (including dyeing and finishing)	313210	Broadwoven Fabric Mills
		313310	Textile and Fabric Finishing Mills
2241	Narrow Fabric and Other Smallware Mills: Cotton, Wool, Silk and Manmade Fiber	313220	Narrow Fabric Mills and Schiffli Machine Embroidery
2251	Women's Full-Length and Knee-Length Hosiery, Except Socks	313310	Textile and Fabric Finishing Mills
		315110	Hosiery and Sock Mills
2252	Hosiery, Not Elsewhere Classified	313310	Textile and Fabric Finishing Mills
		315110	Hosiery and Sock Mills
2253	Knit Outerwear Mills	313310	Textile and Fabric Finishing Mills
		315190	Other Apparel Knitting Mills
2254	Knit Underwear and Nightwear Mills	313310	Textile and Fabric Finishing Mills
		315190	Other Apparel Knitting Mills
2257	Weft Knit Fabric Mills	313240	Knit Fabric Mills
		313310	Textile and Fabric Finishing Mills
2258	Lace and Warp Knit Fabric Mills	313240	Knit Fabric Mills
		313310	Textile and Fabric Finishing Mills
2259	Knitting Mills, Not Elsewhere Classified	315190	Other Apparel Knitting Mills
		313240	Knit Fabric Mills

SIC Code	SIC Code Description	2017 NAICS Code	NAICS Code Description
		313310	Textile and Fabric Finishing Mills
2261	Finishers of Broadwoven Fabrics of Cotton	313310	Textile and Fabric Finishing Mills
2262	Finishers of Broadwoven Fabrics of Manmade Fibers and Silk	313310	Textile and Fabric Finishing Mills
2269	Finishers of Textiles, Not Elsewhere Classified	313310	Textile and Fabric Finishing Mills
2273	Carpets and Rugs	314110	Carpet and Rug Mills
2281	Yarn Spinning Mills	313110	Fiber, Yarn, and Thread Mills
2282	Yarn Texturizing, Throwing, Twisting and Winding Mills	313110	Fiber, Yarn, and Thread Mills
2284	Thread Mills	313110	Fiber, Yarn, and Thread Mills
		313310	Textile and Fabric Finishing Mills
2295	Coated Fabrics, Not Rubberized	313320	Fabric Coating Mills
2296	Tire Cord and Fabrics	314994	Rope, Cordage, Twine, Tire Cord, and Tire Fabric Mills
2297	Non-woven Fabrics	313230	Nonwoven Fabric Mills
2298	Cordage and Twine	313110	Fiber, Yarn, and Thread Mills
		314994	Rope, Cordage, Twine, Tire Cord, and Tire Fabric Mills
2299	Textile Goods, Not Elsewhere Classified	313110	Fiber, Yarn, and Thread Mills
		313210	Broadwoven Fabric Mills
		313220	Narrow Fabric Mills and Schiffli Machine Embroidery
		313230	Nonwoven Fabric Mills
		313310	Textile and Fabric Finishing Mills

SIC Code	SIC Code Description	2017 NAICS Code	NAICS Code Description
		314999	All Other Miscellaneous Textile Product Mills
2311	Men's and Boys' Suits, Coats, and Overcoats	314999	All Other Miscellaneous Textile Product Mills
		315210	Cut and Sew Apparel Contractors
		315220	Men's and Boys' Cut and Sew Apparel Manufacturing
2321	Men's and Boys' Shirts, Except Work Shirts	314999	All Other Miscellaneous Textile Product Mills
		315210	Cut and Sew Apparel Contractors
		315220	Men's and Boys' Cut and Sew Apparel Manufacturing
2322	Men's and Boys' Underwear and Nightwear	314999	All Other Miscellaneous Textile Product Mills
		315210	Cut and Sew Apparel Contractors
		315220	Men's and Boys' Cut and Sew Apparel Manufacturing
2323	Men's and Boys' Neckwear	314999	All Other Miscellaneous Textile Product Mills
		315210	Cut and Sew Apparel Contractors
		315990	Apparel Accessories and Other Apparel Manufacturing
2325	Men's and Boys' Separate Trousers and Slacks	314999	All Other Miscellaneous Textile Product Mills
		315210	Cut and Sew Apparel Contractors
		315220	Men's and Boys' Cut and Sew Apparel Manufacturing

SIC Code	SIC Code Description	2017 NAICS Code	NAICS Code Description
2326	Men's and Boys' Work Clothing	314999	All Other Miscellaneous Textile Product Mills
		315210	Cut and Sew Apparel Contractors
		315220	Men's and Boys' Cut and Sew Apparel Manufacturing
2329	Men's and Boys' Clothing, Not Elsewhere Classified	314999	All Other Miscellaneous Textile Product Mills
		315210	Cut and Sew Apparel Contractors
		315220	Men's and Boys' Cut and Sew Apparel Manufacturing
		315280	Other Cut and Sew Apparel Manufacturing
2331	Women's, Misses', and Juniors' Blouses and Shirts	314999	All Other Miscellaneous Textile Product Mills
		315210	Cut and Sew Apparel Contractors
		315240	Women's, Girls', and Infants' Cut and Sew Apparel Manufacturing
2335	Women's, Misses', and Juniors' Dresses	314999	All Other Miscellaneous Textile Product Mills
		315210	Cut and Sew Apparel Contractors
		315240	Women's, Girls', and Infants' Cut and Sew Apparel Manufacturing
2337	Women's, Misses', and Juniors' Suits, Skirts, and Coats	314999	All Other Miscellaneous Textile Product Mills
		315210	Cut and Sew Apparel Contractors
		315240	Women's, Girls', and Infants' Cut and Sew Apparel Manufacturing

SIC Code	SIC Code Description	2017 NAICS Code	NAICS Code Description
2339	Women's, Misses', and Juniors' Outerwear, Not Elsewhere Classified	314999	All Other Miscellaneous Textile Product Mills
		315210	Cut and Sew Apparel Contractors
		315240	Women's, Girls', and Infants' Cut and Sew Apparel Manufacturing
		315280	Other Cut and Sew Apparel Manufacturing
		315990	Apparel Accessories and Other Apparel Manufacturing
2341	Women's, Misses', Children's, and Infants' Underwear and Nightwear	314999	All Other Miscellaneous Textile Product Mills
		315210	Cut and Sew Apparel Contractors
		315220	Men's and Boys' Cut and Sew Apparel Manufacturing
		315240	Women's, Girls', and Infants' Cut and Sew Apparel Manufacturing
2342	Brassieres, Girdles, and Allied Garments	314999	All Other Miscellaneous Textile Product Mills
		315210	Cut and Sew Apparel Contractors
		315240	Women's, Girls', and Infants' Cut and Sew Apparel Manufacturing
2353	Hats, Caps, and Millinery	314999	All Other Miscellaneous Textile Product Mills
		315210	Cut and Sew Apparel Contractors
		315990	Apparel Accessories and Other Apparel Manufacturing
2361	Girls', Children's, and Infants' Dresses, Blouses, and Shirts	314999	All Other Miscellaneous Textile Product Mills

SIC Code	SIC Code Description	2017 NAICS Code	NAICS Code Description
		315210	Cut and Sew Apparel Contractors
		315220	Men's and Boys' Cut and Sew Apparel Manufacturing
		315240	Women's, Girls', and Infants' Cut and Sew Apparel Manufacturing
2369	Girls', Children's, and Infants' Outerwear, Not Elsewhere Classified	314999	All Other Miscellaneous Textile Product Mills
		315210	Cut and Sew Apparel Contractors
		315220	Men's and Boys' Cut and Sew Apparel Manufacturing
		315240	Women's, Girls', and Infants' Cut and Sew Apparel Manufacturing
2371	Fur Goods	314999	All Other Miscellaneous Textile Product Mills
		315210	Cut and Sew Apparel Contractors
		315280	Other Cut and Sew Apparel Manufacturing
2381	Dress and Work Gloves, Excludes Knit and All-Leather	314999	All Other Miscellaneous Textile Product Mills
		315210	Cut and Sew Apparel Contractors
		315990	Apparel Accessories and Other Apparel Manufacturing
2384	Robes and Dressing Gowns	314999	All Other Miscellaneous Textile Product Mills
		315210	Cut and Sew Apparel Contractors
		315220	Men's and Boys' Cut and Sew Apparel Manufacturing

SIC Code	SIC Code Description	2017 NAICS Code	NAICS Code Description
		315240	Women's, Girls', and Infants' Cut and Sew Apparel Manufacturing
2385	Waterproof Outerwear	314999	All Other Miscellaneous Textile Product Mills
		315210	Cut and Sew Apparel Contractors
		315220	Men's and Boys' Cut and Sew Apparel Manufacturing
		315240	Women's, Girls', and Infants' Cut and Sew Apparel Manufacturing
		315280	Other Cut and Sew Apparel Manufacturing
		315990	Apparel Accessories and Other Apparel Manufacturing
2386	Leather and Sheep-Lined Clothing	314999	All Other Miscellaneous Textile Product Mills
		315210	Cut and Sew Apparel Contractors
		315280	Other Cut and Sew Apparel Manufacturing
2387	Apparel Belts	314999	All Other Miscellaneous Textile Product Mills
		315210	Cut and Sew Apparel Contractors
		315990	Apparel Accessories and Other Apparel Manufacturing
2389	Apparel and Accessories, Not Elsewhere Classified	314999	All Other Miscellaneous Textile Product Mills
		315210	Cut and Sew Apparel Contractors
		315240	Women's, Girls', and Infants' Cut and Sew Apparel Manufacturing

SIC Code	SIC Code Description	2017 NAICS Code	NAICS Code Description
		315280	Other Cut and Sew Apparel Manufacturing
		315990	Apparel Accessories and Other Apparel Manufacturing
2391	Curtains and Draperies	314120	Curtain and Linen Mills
2392	House furnishings, Except Curtains and Draperies	314120	Curtain and Linen Mills
		314910	Textile Bag and Canvas Mills
		314999	All Other Miscellaneous Textile Product Mills
		339994	Broom, Brush, and Mop Manufacturing
2393	Textile Bags	314910	Textile Bag and Canvas Mills
2394	Canvas and Related Products	314910	Textile Bag and Canvas Mills
2395	Pleating, Decorative and Novelty Stitching, and Tucking for the Trade	314999	All Other Miscellaneous Textile Product Mills
		315210	Cut and Sew Apparel Contractors
2396	Automotive Trimmings, Apparel Findings, and Related Products	314999	All Other Miscellaneous Textile Product Mills
		315210	Cut and Sew Apparel Contractors
		315990	Apparel Accessories and Other Apparel Manufacturing
		323113	Commercial Screen Printing
		336360	Motor Vehicle Seating and Interior Trim Manufacturing
2397	Schiffli Machine Embroideries	313220	Narrow Fabric Mills and Schiffli Machine Embroidery
2399	Fabricated Textile Products, Not Elsewhere Classified	314999	All Other Miscellaneous Textile Product Mills

SIC Code	SIC Code Description	2017 NAICS Code	NAICS Code Description
		315210	Cut and Sew Apparel Contractors
		315990	Apparel Accessories and Other Apparel Manufacturing
		336360	Motor Vehicle Seating and Interior Trim Manufacturing
3131	Boot and Shoe Cut Stock and Findings	316998	All Other Leather Good and Allied Product Manufacturing
		321999	All Other Miscellaneous Wood Product Manufacturing
		339993	Fastener, Button, Needle, and Pin Manufacturing
3142	House Slippers	316210	Footwear Manufacturing
3143	Men's Footwear, Except Athletic	316210	Footwear Manufacturing
3144	Women's Footwear, Except Athletic	316210	Footwear Manufacturing
3149	Footwear, Except Rubber, Not Elsewhere Classified	316210	Footwear Manufacturing
3151	Leather Gloves and Mittens	314999	All Other Miscellaneous Textile Product Mills
		315210	Cut and Sew Apparel Contractors
		315990	Apparel Accessories and Other Apparel Manufacturing
3161	Luggage	316998	All Other Leather Good and Allied Product Manufacturing
3171	Women's Handbags and Purses	316992	Women's Handbag and Purse Manufacturing
3172	Personal Leather Goods, Except Women's Handbags and Purses	316998	All Other Leather Good and Allied Product Manufacturing
		339910	Jewelry and Silverware Manufacturing

SIC Code	SIC Code Description	2017 NAICS Code	NAICS Code Description
3199	Leather Goods, Not Elsewhere Classified	316998	All Other Leather Good and Allied Product Manufacturing

SECTOR W: FURNITURE AND FIXTURES

SIC Code	SIC Code Description	2017 NAICS Code	NAICS Code Description
2434	Wood Kitchen Cabinets	337110	Wood Kitchen Cabinet and Countertop Manufacturing
2511	Wood Household Furniture, Except Upholstered	337122	Non-upholstered Wood Household Furniture Manufacturing
		337215	Showcase, Partition, Shelving, and Locker Manufacturing
2512	Wood Household Furniture, Upholstered	337121	Upholstered Household Furniture Manufacturing
2514	Metal Household Furniture	337121	Upholstered Household Furniture Manufacturing
		337124	Metal Household Furniture Manufacturing
		337215	Showcase, Partition, Shelving, and Locker Manufacturing
2515	Mattresses, Foundations, and Convertible Beds	337121	Upholstered Household Furniture Manufacturing
		337910	Mattress Manufacturing
2517	Wood Television, Radio, Phonograph, and Sewing Machine Cabinets	321999	All Other Miscellaneous Wood Product Manufacturing
2519	Household Furniture, Not Elsewhere Classified	337125	Household Furniture (except Wood and Metal) Manufacturing

SIC Code	SIC Code Description	2017 NAICS Code	NAICS Code Description
2521	Wood Office Furniture	337211	Wood Office Furniture Manufacturing
2522	Office Furniture, Except Wood	337214	Office Furniture (Except Wood) Manufacturing
2531	Public Building and Related Furniture	336360	Motor Vehicle Seating and Interior Trim Manufacturing
		337127	Institutional Furniture Manufacturing
		339940	Office Supplies (except Paper) Manufacturing
2541	Wood Office and Store Fixtures, Partitions, Shelving, and Lockers	337110	Wood Kitchen Cabinet and Countertop Manufacturing
		337127	Institutional Furniture Manufacturing
		337212	Custom Architectural Woodwork and Millwork Manufacturing
		337215	Showcase, Partition, Shelving, and Locker Manufacturing
2542	Office and Store Fixtures, Partitions, Shelving, and Lockers, Except Wood	337127	Institutional Furniture Manufacturing
		337215	Showcase, Partition, Shelving, and Locker Manufacturing
2591	Drapery Hardware and Window Blinds and Shades	337920	Blind and Shade Manufacturing
2599	Furniture and Fixtures, Not Elsewhere Classified	333249	Other Industrial Machinery Manufacturing
		333415	Air-Conditioning and Warm Air Heating Equipment and Commercial and Industrial Refrigeration Equipment Manufacturing
		333994	Industrial Process Furnace and Oven Manufacturing
		333997	Scale and Balance Manufacturing

SIC Code	SIC Code Description	2017 NAICS Code	NAICS Code Description
		333999	All Other Miscellaneous General Purpose Machinery Manufacturing
		337127	Institutional Furniture Manufacturing
		339113	Surgical Appliance and Supplies Manufacturing

SECTOR X: PRINTING AND PUBLISHING

SIC Code	SIC Code Description	2017 NAICS Code	NAICS Code Description
2711	Newspapers: Publishing, or Publishing and Printing	511110	Newspaper Publishers (or publishing combined with printing, excludes exclusive Internet publishing)
2721	Periodicals: Publishing, or Publishing and Printing	511120	Periodical Publishers (or publishing combined with printing, excludes exclusive Internet publishing)
2731	Books: Publishing, or Publishing and Printing	511130	Book Publishers
		512230	Music Publishers
2732	Book Printing	323117	Books Printing
2741	Miscellaneous Publishing	511120	Periodical Publishers
		511130	Book Publishers
		511140	Directory and Mailing List Publishers
		511199	All Other Publishers
		512230	Music Publishers
2752	Commercial Printing, Lithographic	323111	Commercial Printing (except Screen and Books)

SIC Code	SIC Code Description	2017 NAICS Code	NAICS Code Description
2754	Commercial Printing, Gravure	323111	Commercial Printing (except Screen and Books)
2759	Commercial Printing, Not Elsewhere Classified	323111	Commercial Printing (except Screen and Books)
		323113	Commercial Screen Printing
2761	Manifold Business Forms	323111	Commercial Printing (except Screen and Books)
2771	Greeting Cards	323111	Commercial Printing (except Screen and Books)
		323113	Commercial Screen Printing
		511191	Greeting Card Publishers
2782	Blankbooks, Looseleaf Binders and Devices	323111	Commercial Printing (except Screen and Books)
2789	Bookbinding and Related Work	323120	Support Activities for Printing
2791	Typesetting	323120	Support Activities for Printing
2796	Platemaking and Related Services	323120	Support Activities for Printing

SECTOR Y: RUBBER, MISCELLANEOUS PLASTIC PRODUCTS, AND MISCELLANEOUS MANUFACTURING FACILITIES

SIC Code	SIC Code Description	2017 NAICS Code	NAICS Code Description
3011	Tires and Inner Tubes	326211	Tire Manufacturing (except Retreading)
3021	Rubber and Plastics Footwear	316210	Footwear Manufacturing
3052	Rubber and Plastics Hose and Belting	326220	Rubber and Plastics Hoses and Belting Manufacturing

SIC Code	SIC Code Description	2017 NAICS Code	NAICS Code Description
3053	Gaskets, Packing, and Sealing Devices	339991	Gaskets, Packing, and Sealing Device Manufacturing
3061	Molded, Extruded, and Lathe-Cut Mechanical Rubber Goods	326291	Rubber Product Manufacturing for Mechanical Use
		326299	All Other Rubber Product Manufacturing
3069	Fabricated Rubber Products, Not Elsewhere Classified	313320	Fabric Coating Mills
		314910	Textile Bag and Canvas Mills
		315280	All Other Cut and Sew Apparel Manufacturing
		315990	Apparel Accessories and Other Apparel Manufacturing
		326199	All Other Plastics Product Manufacturing
		326299	All Other Rubber Product Manufacturing
		336612	Boat Building
		339113	Surgical Appliance and Supplies Manufacturing
		339920	Sporting and Athletic Goods Manufacturing
		339930	Doll, Toy, and Game Manufacturing
3081	Unsupported Plastics Film and Sheet	326113	Unlaminated Plastics Film and Sheet (except Packaging) Manufacturing
3082	Unsupported Plastics Profile Shapes	326121	Unlaminated Plastics Profile Shape Manufacturing
3083	Laminated Plastics Plate, Sheet, and Profile Shapes	326130	Laminated Plastics Plate, Sheet (except Packaging), and Shape Manufacturing

SIC Code	SIC Code Description	2017 NAICS Code	NAICS Code Description
3084	Plastics Pipe	326122	Plastics Pipe and Pipe Fitting Manufacturing
3085	Plastics Bottles	326160	Plastics Bottle Manufacturing
3086	Plastics Foam Products	326140	Polystyrene Foam Product Manufacturing
		326150	Urethane and Other Foam Product (except Polystyrene) Manufacturing
3087	Custom Compounding of Purchased Plastics Resins	325991	Custom Compounding of Purchased Resins
3088	Plastics Plumbing Fixtures	326191	Plastics Plumbing Fixture Manufacturing
3089	Plastics Products, Not Elsewhere Classified	326121	Unlaminated Plastics Profile Shape Manufacturing
		326122	Plastics Pipe and Pipe Fitting Manufacturing
		326199	All Other Plastics Product Manufacturing
		336612	Boat Building
		337215	Showcase, Partition, Shelving, and Locker Manufacturing
		339113	Surgical Appliance and Supplies Manufacturing
3931	Musical Instruments	339992	Musical Instrument Manufacturing
3942	Dolls and Stuffed Toys	339930	Doll, Toy, and Game Manufacturing
3944	Games, Toys, and Children's Vehicles, Excludes Dolls and Bicycles	336991	Motorcycle, Bicycle, and Parts Manufacturing
		339930	Doll, Toy, and Game Manufacturing

SIC Code	SIC Code Description	2017 NAICS Code	NAICS Code Description
3949	Sporting and Athletic Goods, Not Elsewhere Classified	339920	Sporting and Athletic Goods Manufacturing
3951	Pens, Mechanical Pencils, and Parts	339940	Office Supplies (except Paper) Manufacturing
3953	Marking Devices	339940	Office Supplies (except Paper) Manufacturing
3955	Carbon Paper and Inked Ribbons	339940	Office Supplies (except Paper) Manufacturing
3961	Costume Jewelry and Costume Novelties (Except Precious Metal)	339910	Jewelry and Silverware Manufacturing
		339993	Fastener, Button, Needle, and Pin Manufacturing
3965	Fasteners, Buttons, Needles, and Pins	339993	Fastener, Button, Needle, and Pin Manufacturing
3991	Brooms and Brushes	339994	Broom, Brush, and Mop Manufacturing
3993	Signs and Advertising Specialties	323113	Commercial Screen Printing
		339950	Sign Manufacturing
3995	Burial Caskets	339995	Burial Casket Manufacturing
3996	Linoleum, Asphalted-Felt-Base, and Other Hard Surface Floor Coverings, Not Elsewhere Classified	326199	All Other Plastics Product Manufacturing
3999	Manufacturing Industries, Not Elsewhere Classified	316110	Leather and Hide Tanning and Finishing
		321999	All Other Miscellaneous Wood Product Manufacturing
		325998	All Other Miscellaneous Chemical Product and Preparation Manufacturing
		326199	All Other Plastics Product Manufacturing

SIC Code	SIC Code Description	2017 NAICS Code	NAICS Code Description
3999	Manufacturing Industries, Not Elsewhere Classified	332215	Metal Kitchen Cookware, Utensil, Cutlery, and Flatware (except Precious) Manufacturing
		332216	Saw Blade and Handtool Manufacturing
		332812	Metal Coating, Engraving (except Jewelry and Silverware), and Allied Services to Manufacturers
		332999	All Other Miscellaneous Fabricated Metal Product Manufacturing
		333318	Other Commercial and Service Industry Machinery Manufacturing
		335121	Residential Electric Lighting Fixture Manufacturing
		335210	Small Electrical Appliance Manufacturing
		336612	Boat Building
		337127	Institutional Furniture Manufacturing
		339930	Doll, Toy, and Game Manufacturing
		339999	All Other Miscellaneous Manufacturing

SECTOR Z: LEATHER TANNING AND FINISHING

SIC Code	SIC Code Description	2017 NAICS Code	NAICS Code Description
3111	Leather Tanning and Finishing	316110	Leather and Hide Tanning and Finishing

SECTOR AA: FABRICATED METAL PRODUCTS FACILITIES

SIC Code	SIC Code Description	2017 NAICS Code	NAICS Code Description
3411	Metal Cans	332431	Metal Can Manufacturing
3412	Metal Shipping Barrels, Drums, Kegs, and Pails	332439	Other Metal Container Manufacturing
3421	Cutlery	332215	Metal Kitchen Cookware, Utensil, Cutlery, and Flatware (except Precious) Manufacturing
		332216	Saw Blade and Handtool Manufacturing
3423	Hand and Edge Tools, Excludes Machine Tools and Handsaws	332216	Saw Blade and Handtool Manufacturing
3425	Saw Blades and Handsaws	332216	Saw Blade and Handtool Manufacturing
3429	Hardware, Not Elsewhere Classified	332439	Other Metal Container Manufacturing
		332510	Hardware Manufacturing
		332722	Bolt, Nut, Screw, Rivet, and Washer Manufacturing
		332919	Other Metal Valve and Pipe Fitting Manufacturing
		332999	All Other Miscellaneous Fabricated Metal Product Manufacturing
		333923	Overhead Traveling Crane, Hoist, and Monorail System Manufacturing
		334519	Other Measuring and Controlling Device Manufacturing
		336390	Other Motor Vehicle Parts Manufacturing
		337215	Showcase, Partition, Shelving, and Locker Manufacturing

SIC Code	SIC Code Description	2017 NAICS Code	NAICS Code Description
3431	Enameled Iron and Metal Sanitary Ware	332999	All Other Miscellaneous Fabricated Metal Product Manufacturing
3432	Plumbing Fixture Fittings and Trim	332913	Plumbing Fixture Fitting and Trim Manufacturing
		332919	Other Metal Valve and Pipe Fitting Manufacturing
		332999	All Other Miscellaneous Fabricated Metal Product Manufacturing
3433	Heating Equipment, Except Electric and Warm Air Furnaces	333414	Heating Equipment (except Warm Air Furnaces) Manufacturing
3441	Fabricated Structural Metal	332312	Fabricated Structural Metal Manufacturing
3442	Metal Doors, Sash, Frames, Molding, and Trim Manufacturing	332321	Metal Window and Door Manufacturing
3443	Fabricated Plate Work (Boiler Shops)	332313	Plate Work Manufacturing
		332410	Power Boiler and Heat Exchanger Manufacturing
		332420	Metal Tank (Heavy Gauge) Manufacturing
		333415	Air-Conditioning and Warm Air Heating Equipment and Commercial and Industrial Refrigeration Equipment Manufacturing
3444	Sheet Metal Work	332321	Metal Window and Door Manufacturing
		332322	Sheet Metal Work Manufacturing
		332439	Other Metal Container Manufacturing
		333415	Air-Conditioning and Warm Air Heating Equipment and Commercial and Industrial Refrigeration Equipment Manufacturing

SIC Code	SIC Code Description	2017 NAICS Code	NAICS Code Description
3446	Architectural and Ornamental Metal Work	332323	Ornamental and Architectural Metal Work Manufacturing
3448	Prefabricated Metal Buildings and Components	332311	Prefabricated Metal Building and Component Manufacturing
3449	Miscellaneous Structural Metal Work	332114	Custom Roll Forming
		332312	Fabricated Structural Metal Manufacturing
		332323	Ornamental and Architectural Metal Work Manufacturing
3451	Screw Machine Products	332721	Precision Turned Product Manufacturing
3452	Bolts, Nuts, Screws, Rivets, and Washers	332722	Bolt, Nut, Screw, Rivet, and Washer Manufacturing
3462	Iron and Steel Forgings	332111	Iron and Steel Forging
3463	Nonferrous Forgings	332112	Nonferrous Forging
3465	Automotive Stampings	336370	Motor Vehicle Metal Stamping
3466	Crowns and Closures	332119	Metal Crown, Closure, and Other Metal Stamping (except Automotive)
3469	Metal Stampings, Not Elsewhere Classified	332119	Metal Crown, Closure, and Other Metal Stamping (except Automotive)
		332215	Metal Kitchen Cookware, Utensil, Cutlery, and Flatware (except Precious) Manufacturing
		332439	Other Metal Container Manufacturing
3471	Electroplating, Plating, Polishing, Anodizing, and Coloring	332813	Electroplating, Plating, Polishing, Anodizing, and Coloring
3479	Coating, Engraving, and Allied Services, Not Elsewhere Classified	332812	Metal Coating, Engraving (except Jewelry and Silverware), and Allied Services to Manufacturers

SIC Code	SIC Code Description	2017 NAICS Code	NAICS Code Description
		339910	Jewelry and Silverware Manufacturing
3482	Small Arms Ammunition	332992	Small Arms Ammunition Manufacturing
3483	Ammunition, Excepts for Small Arms	332993	Ammunition (except Small Arms) Manufacturing
3484	Small Arms	332994	Small Arms, Ordnance, and Ordnance Accessories Manufacturing
3489	Ordnance and Accessories, Not Elsewhere Classified	332994	Small Arms, Ordnance, and Ordnance Accessories Manufacturing
3491	Industrial Valves	332911	Industrial Valve Manufacturing
3492	Fluid Power Valves and Hose Fittings	332912	Fluid Power Valve and Hose Fitting Manufacturing
3493	Steel Springs, Except Wire	332613	Spring Manufacturing
3494	Valves and Pipe Fittings, Not Elsewhere Classified	332919	Other Metal Valve and Pipe Fitting Manufacturing
		332999	All Other Miscellaneous Fabricated Metal Product Manufacturing
3495	Wire Springs	332613	Spring Manufacturing
		334519	Other Measuring and Controlling Device Manufacturing
3496	Miscellaneous Fabricated Wire Products	332215	Metal Kitchen Cookware, Utensil, Cutlery, and Flatware (except Precious) Manufacturing
		332618	Other Fabricated Wire Product Manufacturing
		333924	Industrial Truck, Tractor, Trailer, and Stacker Machinery Manufacturing
3497	Metal Foil and Leaf	322220	Paper Bag and Coated and Treated Paper Manufacturing

SIC Code	SIC Code Description	2017 NAICS Code	NAICS Code Description
		332999	All Other Miscellaneous Fabricated Metal Product Manufacturing
3498	Fabricated Pipe and Pipe Fittings	332996	Fabricated Pipe and Pipe Fitting Manufacturing
3499	Fabricated Metal Products, Not Elsewhere Classified	332117	Powder Metallurgy Part Manufacturing
		332439	Other Metal Container Manufacturing
		332510	Hardware Manufacturing
		332919	Other Metal Valve and Pipe Fitting Manufacturing
		332999	All Other Miscellaneous Fabricated Metal Product Manufacturing
3499	Fabricated Metal Products, Not Elsewhere Classified	336360	Motor Vehicle Seating and Interior Trim Manufacturing
		337215	Showcase, Partition, Shelving, and Locker Manufacturing
3911	Jewelry, Precious Metal	339910	Jewelry and Silverware Manufacturing
3914	Silverware, Plated Ware, and Stainless Steel Ware	332215	Metal Kitchen Cookware, Utensil, Cutlery, and Flatware (except Precious) Manufacturing
		332999	All Other Miscellaneous Fabricated Metal Product Manufacturing
		339910	Jewelry and Silverware Manufacturing
3915	Jewelers' Findings and Materials, and Lapidary Work	334519	Other Measuring and Controlling Device Manufacturing
		339910	Jewelry and Silverware Manufacturing

SECTOR BB: TRANSPORTATION EQUIPMENT, INDUSTRIAL OR COMMERCIAL MACHINERY MANUFACTURING FACILITIES

SIC Code	SIC Code Description	2017 NAICS Code	NAICS Code Description
3511	Steam, Gas, and Hydraulic Turbines, and Turbine Generator Set Units	333611	Turbine and Turbine Generator Set Units Manufacturing
3519	Internal Combustion Engines, Not Elsewhere Classified	333618	Other Engine Equipment Manufacturing
		336390	Other Motor Vehicle Parts Manufacturing
3523	Farm Machinery and Equipment	332216	Saw Blade and Handtool Manufacturing
		332323	Ornamental and Architectural Metal Work Manufacturing
		333111	Farm Machinery and Equipment Manufacturing
		333922	Conveyor and Conveying Equipment Manufacturing
3524	Lawn and Garden Tractors and Home Lawn and Garden Equipment	332216	Saw Blade and Handtool Manufacturing
		333112	Lawn and Garden Tractor and Home Lawn and Garden Equipment Manufacturing
3531	Construction Machinery and Equipment	333120	Construction Machinery Manufacturing
		333923	Overhead Traveling Crane, Hoist, and Monorail System Manufacturing
		336510	Railroad Rolling Stock Manufacturing
3532	Mining Machinery and Equipment, Except Oil and Gas Field Machinery and Equipment	333131	Mining Machinery and Equipment Manufacturing
3533	Oil and Gas Field Machinery and Equipment	333132	Oil and Gas Field Machinery and Equipment Manufacturing

SIC Code	SIC Code Description	2017 NAICS Code	NAICS Code Description
3534	Elevators and Moving Stairways	333921	Elevators and Moving Stairway Manufacturing
3535	Conveyors and Conveying Equipment	333922	Conveyors and Conveying Equipment Manufacturing
3536	Overhead Traveling Cranes, Hoists, and Monorail Systems	333923	Overhead Traveling Cranes, Hoists, and Monorail System Manufacturing
3537	Industrial Trucks, Tractors, Trailers, and Stackers	332439	Other Metal Container Manufacturing
		332999	All Other Miscellaneous Fabricated Metal Product Manufacturing
		333924	Industrial Truck, Tractor, Trailer, and Stacker Machinery Manufacturing
3541	Machine Tools, Metal Cutting Types	333517	Machine Tool Manufacturing
3542	Machine Tools, Metal Forming Types	333517	Machine Tool Manufacturing
3543	Industrial Patterns	332999	All Other Miscellaneous Fabricated Metal Product Manufacturing
3544	Special Dies and Tools, Die Sets, Jigs and Fixtures, and Industrial Molds	333511	Industrial Mold Manufacturing
		333514	Special Die and Tool, Die Set, Jig, and Fixture Manufacturing
3545	Cutting Tools, Machine Tool Accessories, and Machinists' Precision Measuring Devices	332216	Saw Blade and Handtool Manufacturing
		333515	Cutting Tool and Machine Tool Accessory Manufacturing
3546	Power-Driven Hand Tools	333991	Power-Driven Handtool Manufacturing
3547	Rolling Mill Machinery and Equipment	333519	Rolling Mill and Other Metalworking Machinery Manufacturing
3548	Electric and Gas Welding and Soldering Equipment	333992	Welding and Soldering Equipment Manufacturing
		335311	Power, Distribution, and Specialty Transformer Manufacturing

SIC Code	SIC Code Description	2017 NAICS Code	NAICS Code Description
3549	Metalworking Machinery, Not Elsewhere Classified	333519	Rolling Mill and Other Metalworking Machinery Manufacturing
3552	Textile Machinery	333249	Other Industrial Machinery Manufacturing
3553	Woodworking Machinery	333243	Sawmill, Woodworking, and Paper Machinery Manufacturing
3554	Paper Industries Machinery	333243	Sawmill, Woodworking, and Paper Machinery Manufacturing
3555	Printing Trades Machinery and Equipment	333244	Printing Machinery and Equipment Manufacturing
3556	Food Products Machinery	333241	Food Product Machinery Manufacturing
3559	Special Industry Machinery, Not Elsewhere Classified	332410	Power Boiler and Heat Exchanger Manufacturing
		333111	Farm Machinery and Equipment Manufacturing
		333242	Semiconductor Machinery Manufacturing
		333249	Other Industrial Machinery Manufacturing
		333318	Other Commercial and Service Industry Machinery Manufacturing
3561	Pumps and Pumping Equipment	333914	Measuring, Dispensing, and Other Pumping Equipment Manufacturing
3562	Ball and Roller Bearings	332991	Ball and Roller Bearing Manufacturing
3563	Air and Gas Compressors	333912	Air and Gas Compressor Manufacturing
3564	Industrial and Commercial Fans and Blowers and Air Purification Equipment	333413	Industrial and Commercial Fan and Blower and Air Purification Equipment Manufacturing

SIC Code	SIC Code Description	2017 NAICS Code	NAICS Code Description
3565	Packaging Machinery	333993	Packaging Machinery Manufacturing
3566	Speed Changers, Industrial High-Speed Drives, and Gears	333612	Speed Changer, Industrial High-Speed Drives, and Gear Manufacturing
3567	Industrial Process Furnaces and Ovens	333994	Industrial Process Furnace and Oven Manufacturing
3568	Mechanical Power Transmission Equipment, Not Elsewhere Classified	333613	Mechanical Power Transmission Equipment Manufacturing
3569	General Industrial Machinery and Equipment, Not Elsewhere	314999	All Other Miscellaneous Textile Product Mills
		333414	Heating Equipment (except Warm Air Furnaces) Manufacturing
		333999	All Other Miscellaneous General Purpose Machinery Manufacturing
3581	Automatic Vending Machines	333318	Other Commercial and Service Industry Machinery Manufacturing
3582	Commercial Laundry, Dry Cleaning, and Pressing Machines	333318	Other Commercial and Service Industry Machinery Manufacturing
3585	Air-Conditioning and Warm Air Heating Equipment and Commercial and Industrial Refrigeration Equipment	333415	Air-Conditioning and Warm Air Heating Equipment and Commercial and Industrial Refrigeration Equipment Manufacturing
		336390	Other Motor Vehicle Parts Manufacturing
3586	Measuring and Dispensing Pumps	333914	Measuring, Dispensing, and Other Pumping Equipment Manufacturing
3589	Service Industry Machinery, Not Elsewhere Classified	333318	Other Commercial and Service Industry Machinery Manufacturing
3592	Carburetors, Pistons, Piston Rings, and Valves	336310	Motor Vehicle Gasoline Engine and Engine Parts Manufacturing

SIC Code	SIC Code Description	2017 NAICS Code	NAICS Code Description
3593	Fluid Power Cylinders and Actuators	333995	Fluid Power Cylinder and Actuator Manufacturing
3594	Fluid Power Pumps and Motors	333996	Fluid Power Pumps and Motor Manufacturing
3596	Scales and Balances, Except Laboratory	333997	Scale and Balance Manufacturing
3599	Industrial and Commercial Machinery and Equipment, Not Elsewhere Classified	332710	Machine Shops
		332813	Electroplating, Plating, Polishing, Anodizing and Coloring
		332999	All Other Miscellaneous Fabricated Metal Product Manufacturing
		333318	Other Commercial and Service Industry Machinery Manufacturing
		333999	All Other Miscellaneous General Purpose Machinery Manufacturing
		334519	Other Measuring and Controlling Device Manufacturing
		336390	All Other Motor Vehicle Parts Manufacturing
3711	Motor Vehicles and Passenger Car Bodies	336111	Automobile Manufacturing
		336112	Light Truck and Utility Vehicle Manufacturing
		336120	Heavy Duty Truck Manufacturing
		336211	Motor Vehicle Body Manufacturing
		336992	Military Armored Vehicle, Tank, and Tank Component Manufacturing
3713	Truck and Bus Bodies	336211	Motor Vehicle Body Manufacturing
3714	Motor Vehicle Parts and Accessories	336211	Motor Vehicle Body Manufacturing

SIC Code	SIC Code Description	2017 NAICS Code	NAICS Code Description
3714	Motor Vehicle Parts and Accessories	336310	Motor Vehicle Gasoline Engine and Engine Parts Manufacturing
		336320	Motor Vehicle Electrical and Electronic Equipment Manufacturing
		336330	Motor Vehicle Steering and Suspension Components (except Spring) Manufacturing
		336340	Motor Vehicle Brake System Manufacturing
		336350	Motor Vehicle Transmission and Power Train Parts Manufacturing
		336390	Other Motor Vehicle Parts Manufacturing
3715	Truck Trailers	336212	Truck and Trailer Manufacturing
3716	Motor Homes	336213	Motor Home Manufacturing
3721	Aircraft	336411	Aircraft Manufacturing
3724	Aircraft Engines and Engine Parts	336412	Aircraft Engine and Engine Parts Manufacturing
3728	Aircraft Parts and Auxiliary Equipment, Not Elsewhere Classified	332912	Fluid Power Valve and Hose Fitting Manufacturing
		336411	Aircraft Manufacturing
		336413	Other Aircraft Part and Auxiliary Equipment Manufacturing
3743	Railroad Equipment	333914	Measuring, Dispensing, and Other Pumping Equipment Manufacturing
		336510	Railroad Rolling Stock Manufacturing
3751	Motorcycles, Bicycles, and Parts	336991	Motorcycle, Bicycle, and Parts Manufacturing

SIC Code	SIC Code Description	2017 NAICS Code	NAICS Code Description
3761	Guided Missiles and Space Vehicles	336414	Guided Missile and Space Vehicle Manufacturing
3764	Guided Missile and Space Vehicle Propulsion Units and Propulsion Unit Parts	336415	Guided Missile and Space Vehicle Propulsion Unit and Propulsion Unit Parts Manufacturing
3769	Guided Missile and Space Vehicle Parts and Auxiliary Equipment, Not Elsewhere Classified	336419	Other Guided Missile and Space Vehicle Parts and Auxiliary Equipment Manufacturing
3792	Travel Trailers and Campers	336214	Travel Trailer and Camper Manufacturing
3795	Tanks and Tank Components	336992	Military Armored Vehicle, Tank, and Tank Component Manufacturing
3799	Transportation Equipment, Not Elsewhere Classified	333924	Industrial Truck, Tractor, Trailer, and Stacker Machinery Manufacturing
		336214	Travel Trailer and Camper Manufacturing
		336390	Other Motor Vehicle Parts Manufacturing
		336999	All Other Transportation Equipment Manufacturing

SECTOR CC: ELECTRONIC, ELECTRICAL, PHOTOGRAPHIC, AND OPTICAL GOODS

SIC Code	SIC Code Description	2017 NAICS Code	NAICS Code Description
3571	Electronic Computers	334111	Electronic Computer Manufacturing
3572	Computer Storage Devices	334112	Computer Storage Device Manufacturing

SIC Code	SIC Code Description	2017 NAICS Code	NAICS Code Description
3575	Computer Terminals	334118	Computer Terminal and Other Computer Peripheral Equipment Manufacturing
3577	Computer Peripheral Equipment, Not Elsewhere Classified	333316	Photographic and Photocopying Equipment Manufacturing
		334118	Computer Terminal and Other Computer Peripheral Equipment Manufacturing
		334418	Printed Circuit Assembly (Electronic Assembly) Manufacturing
		334613	Blank Magnetic and Optical Recording Media Manufacturing
3578	Calculating and Accounting Machines, Except Electronic Computers	333316	Photographic and Photocopying Equipment Manufacturing
		333318	Other Commercial and Service Industry Machinery Manufacturing
		334118	Computer Terminal and Other Computer Peripheral Equipment Manufacturing
3579	Office Machines, Not Elsewhere Classified	333318	Other Commercial and Service Industry Machinery Manufacturing
		334519	Other Measuring and Controlling Device Manufacturing
		339940	Office Supplies (except Paper) Manufacturing
3612	Power, Distribution, and Specialty Transformers	335311	Power, Distribution, and Specialty Transformer Manufacturing
3613	Switchgear and Switchboard Apparatus	335313	Switchgear and Switchboard Apparatus Manufacturing
3621	Motors and Generators	335312	Motors and Generator Manufacturing

SIC Code	SIC Code Description	2017 NAICS Code	NAICS Code Description
3624	Carbon and Graphite Products	335991	Carbon and Graphite Product Manufacturing
3625	Relays and Industrial Controls	335314	Relay and Industrial Control Manufacturing
3629	Electrical Industrial Apparatus, Not Elsewhere Classified	335999	All Other Miscellaneous Electrical Equipment and Component Manufacturing
3631	Household Cooking Equipment	335220	Major Household Appliance Manufacturing
3632	Household Refrigerators and Home and Farm Freezers	335220	Major Household Appliance Manufacturing
3633	Household Laundry Equipment	335220	Major Household Appliance Manufacturing
3634	Electric Housewares and Fans	333414	Heating Equipment (except Warm Air Furnaces) Manufacturing
		335210	Small Electrical Appliance Manufacturing
		339999	All Other Miscellaneous Manufacturing
3635	Household Vacuum Cleaners	335210	Small Electrical Appliance Manufacturing
3639	Household Appliances, Not Elsewhere Classified	333249	Other Industrial Machinery Manufacturing
		335210	Small Electrical Appliance Manufacturing
		335220	Major Household Appliance Manufacturing
3641	Electric Lamp Bulbs and Tubes	335110	Electric Lamp Bulbs and Part Manufacturing
3643	Current-Carrying Wiring Devices	335931	Current-Carrying Wiring Device Manufacturing

SIC Code	SIC Code Description	2017 NAICS Code	NAICS Code Description
3644	Noncurrent-Carrying Wiring Devices	332216	Saw Blade and Handtool Manufacturing
		335932	Noncurrent-Carrying Wiring Device Manufacturing
3645	Residential Electric Lighting Fixtures	335121	Residential Electric Lighting Fixture Manufacturing
3646	Commercial, Industrial, and Institutional Electric Lighting Fixtures	335122	Commercial, Industrial, and Institutional Electric Lighting Fixture Manufacturing
3647	Vehicular Lighting Equipment	336320	Motor Vehicle Electrical and Electronic Equipment Manufacturing
3648	Lighting Equipment, Not Elsewhere Classified	335129	Other Lighting Equipment Manufacturing
3651	Household Audio and Video Equipment	334310	Audio and Video Equipment Manufacturing
3652	Phonograph Records and Prerecorded Audio Tapes and Disk	334614	Software and Other Prerecorded Compact Disc, Tape, and Record Reproducing
		512250	Record Production and Distribution
3661	Telephone and Telegraph Apparatus	334210	Telephone Apparatus Manufacturing
		334418	Printed Circuit Assembly (Electronic Assembly) Manufacturing
3663	Radio and Television Broadcasting and Communications Equipment	334220	Radio and Television Broadcasting and Wireless Communications Equipment Manufacturing
		334515	Instrument Manufacturing for Measuring and Testing Electricity and Electrical Signals
3669	Communications Equipment, Not Elsewhere Classified	334290	Other Communications Equipment Manufacturing

SIC Code	SIC Code Description	2017 NAICS Code	NAICS Code Description
3671	Electron Tubes	334419	Other Electronic Component Manufacturing
3672	Printed Circuit Boards	334412	Bare Printed Circuit Board Manufacturing
3674	Semiconductors and Related Devices	334413	Semiconductor and Related Device Manufacturing
3675	Electronic Capacitors	334416	Capacitor, Resistor, Coil, Transformer, and Other Inductor Manufacturing
3676	Electronic Resistors	334416	Capacitor, Resistor, Coil, Transformer, and Other Inductor Manufacturing
3677	Electronic Coils, Transformers, and Other Inductors	334416	Capacitor, Resistor, Coil, Transformer, and Other Inductor Manufacturing
3678	Electronic Connectors	334417	Electronic Connector Manufacturing
3679	Electronic Components, Not Elsewhere Classified	334220	Radio and Television Broadcasting and Wireless Communications Equipment Manufacturing
		334310	Audio and Video Equipment Manufacturing
		334418	Printed Circuit Assembly (Electronic Assembly) Manufacturing
		334419	Other Electronic Component Manufacturing
		334515	Instrument Manufacturing for Measuring and Testing Electricity and Electrical Signals
3691	Storage Batteries	335911	Storage Battery Manufacturing
3692	Primary Batteries, Dry and Wet	335912	Primary Battery Manufacturing
3694	Electrical Equipment for Internal Combustion Engines	336320	Motor Vehicle Electrical and Electronic Equipment Manufacturing

SIC Code	SIC Code Description	2017 NAICS Code	NAICS Code Description
3695	Magnetic and Optical Recording Media	334613	Blank Magnetic and Optical Recording Media Manufacturing
3699	Electrical Machinery, Equipment, and Supplies, Not Elsewhere	333318	Other Commercial and Service Industry Machinery Manufacturing
		333618	Other Engine Equipment Manufacturing
		333992	Welding and Soldering Equipment Manufacturing
		335129	Other Lighting Equipment Manufacturing
3699	Electrical Machinery, Equipment, and Supplies, Not Elsewhere	335999	All Other Miscellaneous Electrical Equipment and Component Manufacturing
3812	Search, Detection, Navigation, Guidance, Aeronautical, and Nautical Systems and Instruments	334511	Search, Detection, Navigation, Guidance, Aeronautical, and Nautical System and Instrument Manufacturing
3821	Laboratory Apparatus and Furniture	333249	Other Industrial Machinery Manufacturing
		333415	Air-Conditioning and Warm Air Heating Equipment and Commercial and Industrial Refrigeration Equipment Manufacturing
		333994	Industrial Process Furnace and Oven Manufacturing
		333997	Scale and Balance Manufacturing
		333999	All Other Miscellaneous General Purpose Machinery Manufacturing
		337127	Institutional Furniture Manufacturing
		339113	Surgical Appliance and Supplies Manufacturing

SIC Code	SIC Code Description	2017 NAICS Code	NAICS Code Description
3822	Automatic Controls for Regulating Residential and Commercial Environments and Appliances	334512	Automatic Environmental Control Manufacturing for Residential, Commercial, and Appliance Use
3823	Industrial Instruments for Measurement, Display, and Control of Process Variables; and Related Products	334513	Instruments and Related Products Manufacturing for Measuring, Displaying, and Controlling Industrial Process Variables
3824	Totalizing Fluid Meters and Counting Devices	334514	Totalizing Fluid Meter and Counting Device Manufacturing
3825	Instruments for Measuring and Testing of Electricity and Electrical Signals	334514	Totalizing Fluid Meter and Counting Device Manufacturing
		334515	Instrument Manufacturing for Measuring and Testing Electricity and Electrical Signals
3826	Laboratory Analytical Instruments	334516	Analytical Laboratory Instrument Manufacturing
3827	Optical Instruments and Lenses	333314	Optical Instruments and Lens Manufacturing
3829	Measuring and Controlling Devices, Not Elsewhere Classified	334514	Totalizing Fluid Meter and Counting Device Manufacturing
		334519	Other Measuring and Controlling Device Manufacturing
		339112	Surgical and Medical Instrument Manufacturing
3841	Surgical and Medical Instruments and Apparatus	332994	Small Arms, Ordnance, and Ordnance Accessories Manufacturing
		333249	Other Industrial Machinery Manufacturing
		333415	Air-Conditioning and Warm Air Heating Equipment and Commercial and Industrial Refrigeration Equipment Manufacturing

SIC Code	SIC Code Description	2017 NAICS Code	NAICS Code Description
3841	Surgical and Medical Instruments and Apparatus	333994	Industrial Process Furnace and Oven Manufacturing
		333997	Scale and Balance Manufacturing
		333999	All Other Miscellaneous General Purpose Machinery Manufacturing
		337127	Institutional Furniture Manufacturing
		339112	Surgical and Medical Instrument Manufacturing
		339113	Surgical Appliance and Supplies Manufacturing
3842	Orthopedic, Prosthetic, and Surgical Appliances and Supplies	322291	Sanitary Paper Product Manufacturing
		334510	Electromedical and Electrotherapeutic Apparatus Manufacturing
		339113	Surgical Appliance and Supplies Manufacturing
		339999	All Other Miscellaneous Manufacturing
3843	Dental Equipment and Supplies	339114	Dental Equipment and Supplies Manufacturing
3844	X-Ray Apparatus and Tubes and Related Irradiation Apparatus	334517	Irradiation Apparatus Manufacturing
3845	Electromedical and Electrotherapeutic Apparatus	334510	Electromedical and Electrotherapeutic Apparatus Manufacturing
		334517	Irradiation Apparatus Manufacturing
3851	Ophthalmic Goods	339113	Surgical Appliance and Supplies Manufacturing
		339115	Ophthalmic Goods Manufacturing
3861	Photographic Equipment and Supplies	325992	Photographic Film, Paper, Plate, and Chemical Manufacturing

SIC Code	SIC Code Description	2017 NAICS Code	NAICS Code Description
		333316	Photographic and Photocopying Equipment Manufacturing
3873	Watches, Clocks, Clockwork Operated Devices, and Parts	334519	Other Measuring and Controlling Device Manufacturing

SECTOR AD: MISCELLANEOUS INDUSTRIAL ACTIVITIES

Activity Codes and Description of Industry

Limited to facilities that are designated by the executive director as needing a permit to control pollution related to stormwater discharges and that do not meet the description of an industrial activity covered by Sectors A-AC.

2. Miscellaneous Industrial Activities

Sector AD is used to provide permit coverage for facilities that are designated by the executive director as needing a permit to control pollution related to stormwater discharges and do not meet the description of an industrial activity covered by Sectors A through AC. A facility that is not otherwise listed in Part V of this general permit is not eligible to apply for coverage under Sector AD, unless directed to do so in writing by the executive director.

3. Co-located Industrial Activities

A facility operator is required to either obtain authorization under this general permit, under an individual TPDES stormwater permit, or under an alternative general permit if the facility meets one or more of the criteria listed in Part II, Section A.1.(a) above. If these facilities have additional activities that are described by a secondary SIC code that is listed in the table above, then these additional activities are described as co-located industrial activities. Stormwater discharges from co-located industrial activities may be authorized under this general permit provided that the operator complies with all of the sector specific requirements defined in Part V of this general permit for each of these co-located activities. The sector specific requirements apply only to the portion of the facility where that specific sector of activity occurs, except where runoff from different activities combines before leaving the property. In cases where these discharges combine, the monitoring requirements and effluent limitations from each sector that contributes runoff to the discharge must be met.

4. Co-located Industrial Facilities

A facility operator is required to either obtain authorization under this general permit, under an individual TPDES stormwater permit, or under an alternative general permit if the facility meets one or more of the criteria in Part II, Section A.1.(a) above. Multiple industrial facilities may be described as "co-located" if they share a common property boundary. If authorization under this general permit is sought, the operator of each of co-located facility must individually obtain authorization to discharge under this general permit.

Each co-located facility will be issued a distinct authorization number. Each co-located industrial facility operator may either develop a separate stormwater pollution prevention plan (SWP3 or plan) or may participate in a shared SWP3. Co-located industrial facilities that develop a shared SWP3 must develop the SWP3 to meet the requirements stated in Parts III and V of this general permit, in addition to the following:

(a) Participants. The SWP3 must clearly list the name and authorization number (when known) for each facility that participates in the shared SWP3. Each participant in the shared plan must sign the SWP3 according to 30 TAC §305.128 (relating to Signatories to Reports.)

(b) Responsibilities. The SWP3 must clearly indicate which permittee is responsible for performing each shared element of the SWP3. If the responsibility for performing an element is not described in the plan, then each permittee is entirely responsible for performing the element within the boundaries of its facility and in any common or shared area. The SWP3 must clearly describe responsibilities for meeting each element in shared or common areas.

(c) Site Map. The site map must clearly delineate the boundaries around each co-located industrial facility and the boundaries around shared or common areas that are used by two or more facilities.

Co-located facilities may alternatively obtain a conditional exclusion based on no-exposure, in accordance with Part II, Section C. of this general permit, if applicable.

5. Requirements for Military Installations and Other Publicly-Owned Facilities

(a) Stormwater discharges from military or other public installations or government institutions that conduct any industrial activities described by an SIC code or an industrial activity code that is listed in Part II, Section A.1. and Part V of this general permit, or that otherwise meet the conditions described in Part II, Section A.1.(a) relating to the need for a permit, must either be authorized under this general permit, an individual TPDES stormwater permit, or an alternative general permit. For example, the SIC code of military installations is 9711 and the SIC code for universities is 8221, neither of which are listed in this general permit; however, the need for a permit will be based on individual activities that occur at the installation.

(b) Other publicly operated facilities (i.e., stand-alone facilities) that conduct activities described under Part II, Section A.1. of this general permit must meet the conditions of the general permit for those regulated activities. For example, a city-operated landfill would be described by industrial activity code LF and would need a permit, and a county-operated bus maintenance facility would fall under SIC Code 4111 or 4173 and would also need a permit. However, the general vehicle maintenance shop for a city's motor pool would not typically be regulated unless the vehicles being maintained would classify the maintenance yard under an SIC code in the 4100 or 4200 series (for example if the city motor pool also maintains the city's public transportation busses and the yard performs at least 50% of its maintenance activities on the city's public transportation busses).

6. Non-Stormwater Discharges

Industrial facilities that qualify for coverage under this general permit may discharge the following non-stormwater discharges through outfalls identified in the SWP3, according to the requirements of this general permit:

(a) discharges from emergency firefighting activities;

(b) uncontaminated fire hydrant flushings (excluding discharges of hyperchlorinated water, unless the water is first dechlorinated and discharges are not expected to adversely affect aquatic life);

(c) potable water sources (excluding discharges of hyperchlorinated water, unless the water is first dechlorinated and discharges are not expected to adversely affect aquatic life);

(d) lawn watering and similar irrigation drainage, provided that all pesticides, herbicides, and fertilizer have been applied in accordance with the approved labeling;

(e) water from the routine external washing of buildings, conducted without the use of detergents or other chemicals;

(f) water from the routine washing of pavement conducted without the use of detergents or other chemicals and where spills or leaks of toxic or hazardous materials have not occurred (unless all spilled material has been removed);

(g) uncontaminated air conditioner condensate, compressor condensate, and steam condensate, and condensate from the outside storage of refrigerated gases or liquids;

(h) water from foundation or footing drains where flows are not contaminated with pollutants (e.g., process materials, solvents, and other pollutants);

(i) uncontaminated water used for dust suppression;

(j) springs and other uncontaminated groundwater;

(k) incidental windblown mist from cooling towers that collects on rooftops or adjacent portions of the facility, but excluding intentional discharges from the cooling tower (e.g., "piped" cooling tower blowdown or drains); and

(l) other discharges described in Part V of this permit that are subject to effluent guidelines and effluent limitations.

Section B. Limitations on Permit Coverage

1. Suspension or Revocation of Permit Coverage

Authorization under this general permit may be suspended or revoked for cause. Filing a notice of planned changes or anticipated non-compliance by the permittee does not stay any permit condition. The permittee shall furnish to the executive director, upon request, any information necessary for the executive director to determine whether cause exists for revoking, suspending, or terminating authorization under this permit. Additionally, the permittee shall provide to the executive director, upon request, copies of all records that the permittee is required to maintain as a condition of the permit.

Failure to comply with any permit condition is a violation of the permit and the statutes under which it was issued, and is grounds for enforcement action, revoking coverage under this general permit, or requiring the permittee to apply for and obtain an individual TPDES permit or alternative general permit.

2. Discharges Authorized by Another TPDES Permit

Discharges authorized by an individual TPDES permit or another general TPDES permit may only be authorized under this TPDES general permit if all of the following conditions are met:

(a) the discharges meet the applicability and eligibility requirements for coverage under this general permit;

(b) the individual or alternative general permit does not contain numeric water quality-based effluent limitations for the discharge (unless industrial activities that resulted in the limitations have ceased and any contamination that resulted in these limitations has been removed or remediated);

(c) specific BMP requirements of the current individual permit are continued as a provision of the SWP3;

(d) the executive director has not determined that continued coverage under an individual permit is required based on consideration of a TMDL model, anti-backsliding policy, history of substantive non-compliance or other considerations and requirements of 30 TAC Chapter 205, or other site-specific considerations; and

(e) a previous application or permit for the discharges was not denied, terminated, or revoked by the executive director as a result of enforcement or water quality related concerns. The executive director may provide a waiver to this provision based on new circumstances at the facility or if the operations of the facility are the responsibility of a new operator.

3. Stormwater Discharges from Construction Activity

Stormwater discharges associated with construction activities are not eligible for authorization under this general permit. Discharges of stormwater that are regulated under this permit and that combine with stormwater from construction activities are not eligible for coverage under this general permit unless the construction site runoff meets one of the following conditions:

(a) authorization is under a separate TPDES permit;

(b) authorization is under a separate NPDES permit; or

(c) TPDES or NPDES permit coverage is not required.

4. Stormwater Discharges from Salt Storage Piles

Stormwater that contacts salt storage piles (e.g., salt for deicing or other commercial or industrial purposes) may not be discharged to surface water in the state under authority of this general permit. Stormwater that contacts salt storage piles must be discharged under the authority of an individual TPDES permit or alternative general permit, or must be captured within a containment structure. Stormwater that contacts salt storage piles and is captured must either be disposed of in a manner that does not allow a discharge into or adjacent to water in the state, or in a manner otherwise approved by the executive director.

The permittee(s) shall prevent exposure of salt storage piles, or piles containing salt, used for deicing or other commercial or industrial purposes, including maintenance of paved surfaces. This material must be enclosed or covered. Appropriate BMPs (e.g., good housekeeping, diversions, containment) must be implemented to minimize exposure resulting from adding to or removing materials from the pile(s).

5. Discharges of Stormwater Mixed with Non-Stormwater

Stormwater discharges associated with industrial activity that combine with sources of non-stormwater are not eligible for coverage by this general permit, unless either the non-

stormwater source is described in Part II, Section A.6. of this permit or the non-stormwater source is authorized under a separate TPDES permit.

6. Compliance with Water Quality Standards

Discharges that would cause or contribute to a violation of water quality standards, or that would fail to protect and maintain existing designated uses of receiving waters are not eligible for coverage under this general permit. The executive director may require an application for an individual permit or alternative general permit to authorize discharges of stormwater from any industrial facility that is determined to cause a violation of water quality standards or is found to cause, or contribute to, the loss of a designated use of receiving waters.

7. Impaired Water Bodies and Total Maximum Daily Load (TMDL) Requirements

Discharges of the pollutant(s) of concern to impaired water bodies where there is a TMDL are not eligible for coverage under this permit, unless they are consistent with the EPA-approved TMDL. Permittees must incorporate the limitations, conditions, and requirements applicable to their discharges, including monitoring frequency and reporting required by TCEQ rules, into their SWP3 in order to be eligible for MSGP permit coverage.

A discharge into an impaired water body is one where the discharge is directly to a water body that is either identified on the latest EPA-approved CWA Section 303(d) List, the Texas Integrated Report of Surface Water Quality for CWA Sections 305(b) and 303(d), or is covered by an EPA-approved TMDL. For stormwater that first enters a storm sewer system prior to discharge, the determination is made by the identity of the first body of water the discharge enters upon exiting the storm sewer system.

(a) The permittee shall determine whether the permitted authorized discharge is to an impaired water body on the latest EPA-approved CWA Section 303(d) List, or waters with an EPA-approved or established TMDL that are found on the latest EPA-approved Texas Integrated Report of Surface Water Quality for CWA Sections 305(b) and 303(d) as not meeting applicable Texas Surface Water Quality Standards.

(b) New Discharges to Water Quality Impaired Water Bodies

For a new discharge to an impaired water body, the permittee shall either:

(1) 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 SWP3;

(2) 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 SWP3 (e.g., 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); or

(3) 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 (e.g. benchmark value). If the pollutant of concern is present above the level of concern, the permittee must follow the requirements in Part II, Section B.7.(b)(3)e. below. Data and supporting technical information must be retained with the SWP3. The

permittee shall use the following method to demonstrate this finding, unless an alternate method is authorized by the TCEQ in writing:

a. The permittee shall collect one or more representative sample(s) of stormwater in accordance with Part III, Section D.2. of this general permit, and analyze the sample(s) for the pollutant of concern (e.g., hazardous metals, bacteria, nutrients, etc.).

For example, if the pollutant of concern is bacteria, the permittee shall sample for *E. coli* if discharging to fresh water, and enterococci if discharging to salt water. If the impairment is due to low dissolved oxygen (DO), the permittee shall monitor for BOD, COD, or both, based on the nature of the industrial activity, or in accordance with guidance provided by the TCEQ (e.g., information may be sent in writing directly to the permittee on request, or may be available on the TCEQ's TPDES stormwater webpages). If the impairment is due to nutrients, the permittee shall sample for total phosphorous if the discharge is to fresh water and for total nitrogen if the discharge is to salt water.

If the impairment is due to a parameter for which there is not a clear analytical testing protocol (e.g., sediment, fish tissue, etc.), the permittee shall contact the TCEQ for guidance on which pollutant(s), if any, to monitor for, and the TCEQ will respond in writing to the permittee. This documentation must be retained in the SWP3.

b. If the facility operator is not able to collect a sample because the facility is not yet in operation, then the operator may submit an application to obtain coverage prior to sampling. The permittee shall collect the representative sample(s) from the first available discharge after commencing operation.

c. The permittee shall compare the analytical results with the benchmark monitoring levels found in the facility's applicable sector located in Part IV of this general permit. Where a benchmark result is not available, the permittee shall compare the results to the water quality criteria in 30 TAC Chapter 307, or to the minimum analytical level (MAL). The pollutant is not considered to be present within the discharge when not detected above the MAL. The pollutant is considered below the level of concern when sampling results are below benchmark levels, the applicable water quality criteria, or natural background levels.

d. If the first year sampling results indicate that the discharge is below the level of concern or is not present in the discharge, then no additional sampling for the pollutant of concern is required.

e. 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:

(i) Monitor the discharge in accordance with Part III, Section B.4., "Water Quality Monitoring Requirements," and

(ii) Revise the SWP3 to address controls that the permittee will utilize to reduce the discharge of the pollutant of concern.

(4) A new discharge is not eligible for coverage under this permit for discharges to waters designated by the Texas Surface Water Quality Standards as Tier 3.

(c) Existing Discharges to Impaired Water Bodies with an approved TMDL.

An existing discharge to an impaired water body with an approved TMDL may only be authorized under this general permit if the permittee complies with additional controls required by the TCEQ in the TMDL, the TMDL Implementation Plan, 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, then additional monitoring is not required under Part III.B.4(a) and the permittee may still obtain authorization under this general permit.

(d) Existing Discharge to Water Quality Impaired Water Bodies without an approved TMDL. If the permittee discharges to an impaired water body without an approved TMDL, the permittee shall either:

(1) 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 SWP3;

(2) 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 SWP3 (e.g., if the pollutant of concern is bacteria, but the only identifiable source of bacteria is wildlife occurring on the property, then the bacteria levels could be, for the purposes of this permit condition, considered "background" from a non-point source that is not regulated under this permit); or

(3) 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, using the steps in Paragraph II.B.7.(b)(3) above.

a. If the results indicate that the discharge is below the level of concern or is not present in the discharge, then no additional action is required.

b. If the results indicate that the pollutant of concern is present in the discharge at a level that may contribute to water quality impairment (e.g., a result that is above the benchmark level for a pollutant as described in the facility's applicable sector located in Part V of this general permit), then the permittee shall implement an interim pollutant reduction plan (PRP) for the pollutant of concern. This PRP must be included in the SWP3 and must discuss the management practices and control measures that the permittee will implement to reduce, with the goal of eliminating, the discharge of pollutant(s) of concern that contribute to the impairment of the water body. The PRP must specifically identify control measures and practices that will collectively be used to try to eliminate the discharge of pollutant(s) of concern that contribute to the impairment of the water body and explain why these control measures and practices were chosen as opposed to other alternatives.

(4) 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 there is no exposure of the pollutant of concern to stormwater, the pollutant of concern is not present at the site nor in the discharge, or analytical data shows the pollutant of concern is not present at a level of concern as described in Part II, Sections B.7.(d)(1), (2), and (3) above. TCEQ may notify the permittee if additional control measures are necessary, or if an individual permit application is necessary.

8. Discharges to the Edwards Aquifer Recharge Zone

Discharges may not be authorized by this general permit where prohibited by 30 TAC Chapter 213 (relating to Edwards Aquifer).

(a) For new discharges located within the Edwards Aquifer Recharge Zone, or within that area upstream from the recharge zone and defined as the Contributing Zone, operators must meet all applicable requirements of, and operate according to, 30 TAC Chapter 213 (Edwards Aquifer Protection Rule), in addition to the provisions and requirements of this general permit.

(b) For existing discharges located within the Edwards Aquifer Recharge Zone, the requirements of the agency approved Water Pollution Abatement Plan under the Edwards Aquifer Rules are in addition to the requirements of this general permit. BMPs and maintenance schedules for structural stormwater controls, for example, may be required as a provision of the rule. All applicable requirements of the Edwards Aquifer Protection Rule for reductions of suspended solids in stormwater runoff are in addition to the effluent limitation requirements and benchmark goals in this general permit for this pollutant. A copy of the TCEQ approved Water Pollution Abatement Plan(s) that are required by the Edwards Aquifer Rule must be attached or referenced as a part of the SWP3.

(c) For discharges located within ten stream miles upstream of the Edwards Aquifer recharge zone, applicants shall also submit a copy of the NOI to the appropriate TCEQ regional office.

Counties: **Comal, Bexar, Medina, Uvalde, and Kinney**
Contact: TCEQ Water Program Manager
San Antonio Regional Office
14250 Judson Road
San Antonio, Texas 78233-4480
(210) 490-3096

Counties: **Williamson, Travis, and Hays**
Contact: TCEQ Water Program Manager
Austin Regional Office
12100 Park 35 Circle
Room 179, Building A
Austin, Texas 78753
(512) 339-2929

9. Discharges to Specific Watersheds and Water Quality Areas

Discharges of stormwater associated with industrial activity and other non-stormwater discharges may not be authorized by this general permit where prohibited by 30 TAC Chapter 311 (relating to Watershed Protection) for water quality areas and watersheds.

10. Endangered Species Act

Discharges that would adversely affect a listed endangered or threatened aquatic or aquatic-dependent species or its critical habitat are not authorized by this permit, unless the requirements of the federal Endangered Species Act are satisfied. Federal requirements related to endangered species apply to all TPDES permitted discharges and site-specific controls may be required to ensure that protection of endangered or threatened aquatic or

aquatic dependent species is achieved. If a permittee has concerns over potential impacts to listed species, the permittee may contact TCEQ for additional information.

11. Protection of Streams and Watersheds by Home-Rule Municipalities

This general permit does not limit the authority of a home-rule municipality provided by the Texas Local Government Code §401.002.

12. Facilities with No Discharge to Surface Water in the State

A facility that does not discharge stormwater to an MS4 nor to surface water in the state may not be required to obtain coverage under this general permit if the operator demonstrates that no discharges have occurred nor will occur in the future. The operator may be required to demonstrate, using engineering calculations or similar methods, that the facility will not discharge stormwater associated with industrial activity.

Facilities that dispose of all stormwater associated with industrial activity by any of the following practices would not be required to obtain coverage for the stormwater under this general permit nor under an individual TPDES permit or alternative general permit:

(a) Recycling of the stormwater with no resulting discharge into surface water in the state.

(b) Pumping and hauling of the stormwater to an authorized disposal facility.

(c) Discharge of the stormwater to a publicly-owned treatment works (POTW); however, this permit does not grant authorization to discharge into a POTW and the permittee would need to obtain authorization from the POTW operator to discharge stormwater into the POTW.

(d) Underground injection of the stormwater in accordance with 30 TAC Chapter 331 (relating to Underground Injection Control).

(e) Discharge to above ground storage tanks with no resulting discharge into surface water in the state.

(f) Containment of all stormwater within property boundaries, with no discharge into surface water in the state, including no discharge during, or as the result of, any storm event.

13. Automatic Authorization for Certain Industrial Activities

Operators of the following industrial activities are designated for coverage under this general permit, and are not required to prepare a SWP3, conduct analytical sampling, or submit an NOI for coverage nor an NEC application for a conditional exclusion based on no exposure. However, the facility operator must comply with all other requirements of Part III, Section E. of this general permit, related to Standard Permit Conditions; and must comply with Part II, Section C.1. of the permit related to maintaining "no exposure" of industrial activity to stormwater.

(a) Operators of facilities described in Part V, Section P, related to General Warehousing and Storage (SIC 4225), that do not have areas for vehicle maintenance or equipment cleaning activities, provided that the requirements of Part V, Section P.2.c. are met.

(b) Operators of facilities described under Part V, Section X, that conduct publishing or design without printing, provided that the requirements of Part V, Section X.2. are met.

(c) Operators of small businesses who conduct a regulated activity described in Part II, Section A, where the entire industrial activity is performed in a residential home, a shopping mall, or an office building, and all of the requirements listed below are met:

(1) The industrial activity does not include the following industrial activity codes: HZ, LF, SE, or TW;

(2) The industrial activity is conducted in an area inside the operator's primary residence home structure itself or inside another fully enclosed building, located within the property boundaries of the operator's primary residence (e.g., garage);

(3) The regulated industrial activity is not exposed to stormwater; and

(4) The facility operator complies with the requirements of Part III Section E. of this general permit, related to Standard Permit Conditions. However, the operator is not required to submit an NOI or an NEC application, conduct analytical monitoring for permit compliance, nor develop a SWP3.

The facility operator must apply for coverage if any of the requirements listed above are not met. If the TCEQ determines that additional controls are required other than those listed above, or if there is a concern regarding the discharge of elevated levels of pollutants, then the TCEQ may require a facility otherwise eligible for automatic authorization to obtain coverage and meet all permit conditions through submittal of an NOI or an individual permit application.

14. Transfer of Liability

This permit does not transfer liability for the act of discharging without, or in violation of, a NPDES or a TPDES permit from the operator of the discharge to the permittee(s).

15. Force Majeure

Nothing in Part II of the general permit is intended to negate any person's ability to assert the *force majeure* (act of God, war, strike, riot, or other catastrophe) defenses found in 30 TAC §70.7.

Section C. Obtaining Authorization to Discharge

1. Conditional No Exposure Exclusion from Permit Requirements

Facilities regulated under this general permit may be excluded from permit requirements if there is no exposure of industrial materials or activities (see Part I related to Stormwater Discharges Associated with Industrial Activity) from precipitation or runoff. To qualify for a no exposure exclusion from permit requirements, the operator of the facility must provide certification that industrial activities and materials are isolated from stormwater by storm resistant shelters. The certification must be submitted to the TCEQ on a no exposure certification (NEC) application provided by the executive director, or using a format approved by the executive director. The facility is subject to inspection by authorized TCEQ personnel and MS4s with enforcement authority over MSGP regulated facilities within their jurisdiction to determine compliance with the no exposure exclusion. Facilities that qualify for this exclusion and that contribute stormwater discharges to a municipal separate storm sewer system (MS4) shall provide copies of the certification to the operator of the MS4.

(a) The following materials and activities are not required to be isolated from stormwater and stormwater runoff in order to meet the no exposure exclusion:

(1) drums, barrels, tanks, and similar containers that are tightly sealed, provided those containers are not deteriorated and do not leak ("Sealed" means banded or otherwise secured and with-out operational taps or valves);

(2) final products that are designed for outdoor use (e.g., new cars, outdoor play-sets, lawn equipment) provided the final products have not deteriorated or are otherwise a potential source of contaminants;

(3) pallets used to store or transport final products intended for outdoor use, if the pallets are new or do not contain pollutants;

(4) vehicles used in material handling that are adequately maintained to prevent leaking fluids;

(5) lidded dumpsters containing waste materials, providing the containers are completely covered, nothing can drain out, and no material can be lost while loading the contents onto a garbage truck (excludes trash compactors unless located indoors or protected by a storm-resistant shelter);

(6) industrial refuse and trash that is stored large roll-off containers that are either located under a constructed cover or covered with heavy-duty tarps that are properly maintained and in good condition. The tarps must be securely fastened to the waste container in such a manner that the tarp has to be unfastened to add waste materials to the container and then refastened to the container;

(7) particulate emissions from roof stacks or vents, provided they comply with other applicable TCEQ rules and do not contaminate stormwater; and

(8) above ground storage tanks (ASTs) that are equipped with valves for dispensing materials that support facility operations (e.g., heating oil, propane, butane, chemical feedstocks) or that dispense fuel (e.g. gasoline, diesel, compressed natural gas) for delivery vehicles that support facility operations provided that:

a. the ASTs must be physically separated from and not associated with vehicle maintenance operations areas;

b. there are no leaks from pipes, pumps, or other equipment that could come into contact with stormwater; and

c. the ASTs are surrounded by secondary containment (e.g., impervious berm, dike, or concrete retaining structure) to prevent exposure to stormwater runoff in the event of structural failure or leaks.

ASTs that dispense fuel to vehicles that are used to support the regulated facility operations are not considered exposed. However, ASTs that distribute fuel to airplanes at a regulated air transportation facility are considered exposed unless located under storm resistant shelter.

(b) The following types of final products do not qualify for a certification of no exposure:

(1) Products that could be mobilized by wind or rain into stormwater discharges (e.g., rock salt, wood chips or shavings, compost). Materials sheltered from precipitation may still be deemed exposed if the materials could be carried by wind;

(2) products that may, when exposed, oxidize, deteriorate, leak or otherwise be a potential source of contaminants (e.g., scrap cars, scrap metal); or

(3) "final" products that are actually "intermediate" products used in the composition of yet another product (e.g., sheet metal, tubing and paint used in making tractors,

unfinished portions of a final product, plastic pellets, glass to be installed in vehicles or buildings). Even if the intermediate product is "final" for a manufacturer and is intended to be included in a "final product intended for use outdoors," these products are still considered intermediate products and are considered to be exposed if located outdoors.

Deposits of particles or residuals from roof stacks or vents not otherwise regulated that could be carried by stormwater runoff and are considered exposed. Exposure also occurs when, as a result of particulate emissions, pollutants are visibly being "tracked out" or carried on the tires of vehicles.

(c) Limitations on eligibility for the no-exposure exclusion:

(1) The exclusion from permit requirements is only available facility-wide, and is not available for individual outfalls. Generally, if any exposed industrial materials or activities are found on any portion of a facility, the facility is not eligible for the no-exposure exclusion.

(2) If a facility with a conditional no-exposure exclusion undergoes any change(s) that result in industrial activities or materials becoming exposed, or if it is found that a facility does not (or no longer) meets the no exposure requirements, then the NEC exclusion that the facility is under ceases to apply. If this occurs, the operator of the facility covered (under an NEC) shall prepare a SWP3 and submit an NOI to apply for coverage under the MSGP or shall apply for an individual water quality permit (as applicable) to discharge stormwater from the facility before making any changes that will expose industrial activities or materials. Discharges that occur after losing the conditional no exposure exclusion are not authorized, unless permit coverage is re-established by filing an NOI for this permit or via an individual permit. The operator is required to submit a Notice of Termination (NOT) to terminate their NEC coverage.

(3) If the TCEQ determines that a facility's stormwater discharges have a reasonable potential to cause or contribute to a violation of applicable water quality standards, then the TCEQ may deny the no exposure exclusion. However, where an MS4 operator has MSGP enforcement authority, it may inspect facilities within its jurisdiction for compliance with the no exposure certification (NEC).

2. Application for Coverage

Applicants seeking authorization to discharge under this general permit shall submit a completed notice of intent (NOI) or a completed no exposure certification (NEC), as applicable, on a form approved by the executive director. Applications are not required for facilities that are automatically authorized by designation under this general permit.

(a) Notices of Intent (NOIs) and No Exposure Certifications (NECs).

(1) Electronic NOIs and NECs. Applicants must submit an NOI or NEC using the online e-permitting system available through the TCEQ website or request and obtain an electronic reporting waiver. Electronic reporting waivers are not transferrable and expire on the same date as the authorization to discharge.

Provisional authorization begins immediately following confirmation of receipt of the electronic NOI or NEC form by the TCEQ.

(2) Paper NOIs and NECs. Applicants that are issued an electronic reporting waiver shall submit a paper NOI or NEC. Provisional authorization begins 48 hrs from

the date that a completed NOI or NEC is postmarked for delivery to the TCEQ, unless otherwise notified in writing by the executive director.

(3) Following review of the NOI or NEC, the executive director will:

a. determine that the NOI or NEC is complete and confirm coverage by providing a written notification and an authorization number; or

b. determine that the NOI or NEC is incomplete and request additional information needed to complete the NOI or NEC; or

c. deny coverage in writing. Denial of coverage will be made in accordance with TCEQ rules at 30 TAC §205.4, related to Authorizations and Notices of Intent.

(b) Automatic Authorization. Facilities that meet the eligibility requirements for automatic authorization in Part II, Section B.13 are automatically authorized and are not required to submit an NOI for coverage or an NEC for conditional exclusion, provided that all of the technical requirements are met. Permit coverage for existing facilities automatically authorized under Part II, Section B.13 of this general permit begins immediately upon the effective date of this general permit; and permit coverage for new facilities begins upon the commencement of industrial activities regulated under this general permit.

3. Application Deadlines

(a) Existing Industrial Facilities.

(1) Permittees who were authorized under the previous TPDES MSGP permit for discharges associated with industrial activity (TXR050000, issued August 14, 2016) shall continue to operate under the provisions of that permit until authorization is obtained under this general permit, and may continue to do so for up to 90 days after the effective date of this general permit.

On or before the ninetieth (90th) day following the effective date of this general permit, existing permittees shall submit an application (NOI or NEC) for coverage under this general permit or shall comply with the automatic authorization option (in accordance with Part II, Section B.13. of this general permit). The executive director may grant a written request for extension for good cause if such written request is received no later than 15 days before the application deadline (75 days following the permit effective date).

(2) Facilities that were required to obtain permit coverage under the previous TPDES MSGP (issued August 14, 2016) are considered to be existing facilities, regardless of whether an NOI or NEC was previously submitted under that general permit. The deadline for existing facilities that did not obtain coverage under the previous TPDES MSGP permit is immediately upon the effective date of this general permit. However, this permit does not prohibit a facility from submitting an NOI or NEC after the effective date of the general permit.

(3) Permit coverage for facilities that do not renew permit coverage will expire 90 days following the effective date of this general permit. However, facilities that do not submit a notice of termination on or before September 1, 2021, will be considered active facilities on that date and will be assessed an annual fee for Fiscal Year 2022, as described in Part II, Section C.10.(b) below.

(b) New Industrial Facilities.

An NOI or NEC must be submitted prior to commencement of industrial activity that is regulated under this general permit, or the facility operator must comply with the

automatic authorization requirements listed in Part II, Section B.13. of this general permit.

(c) New Operator.

Permit coverage may not be transferred. When the operator of a facility changes, the new operator must submit an NOI or NEC, and the previous operator must submit an NOT, at least ten days before the change in operator occurs, or in accordance with 30 TAC §205.4(h), related to Authorizations and Notices of Intent. Also see Part II, Section C.7, related to Terminating Coverage.

When the operational control of a portion of a facility changes, the new operator shall submit an NOI or an NEC, and the existing operator shall revise its SWP3 and submit an NOC as needed.

4. Stormwater Pollution Prevention Plan (SWP3)

A permittee authorized under this general permit must develop and implement a stormwater pollution prevention plan (SWP3, or plan) according to the requirements of this permit before submitting an NOI for permit coverage. The plan must be developed according to the requirements of Part III of this general permit and must also include all sector specific requirements of Part V. The SWP3 must be signed and certified according to TCEQ rules at 30 TAC §305.128, as described in Part III, Section E.6.(c) of this general permit.

5. Contents of the Notice of Intent (NOI)

The NOI must contain the following information, at a minimum:

(a) Operator Information.

(1) the name, address, and telephone number of the operator filing the NOI for permit coverage; and

(2) the legal status of the operator (e.g., federal, state, private or public entity).

(b) Site Information.

(1) the name, address, county, and latitude and longitude of the site;

(2) the location of outfall(s);

(3) a determination of whether the site is located on Indian Land;

(4) the name of the receiving water(s);

(5) the name of the MS4 operator(s), if the discharge is to an MS4;

(6) a certification statement that a SWP3 has been developed and implemented according to the provisions of this permit;

(7) the primary SIC code that best describes the industrial activity of the facility and any other SIC codes or Industrial Activity Codes that describe additional activities and that are listed in Part V of this permit;

(8) the industrial activities of the facility that are subject to federal effluent limitations guidelines;

(9) the industrial sector(s) of this general permit for which the applicant requests coverage;

(10) if discharging a pollutant of concern to an impaired waterbody;

(11) if applicable, waiver criteria from sampling for hazardous metals are updated and met; and

(12) the status (inactive or active) of the facility.

(c) Existing TPDES authorization number, for facilities previously regulated under the TPDES MSGP.

6. Changes to Information Submitted

(a) If the operator becomes aware that any of the following occurred, then correct information must be provided to the executive director in a notice of change (NOC) within 14 days after discovery:

(1) Relevant information provided on the NOI or NEC has changed;

(2) The operator failed to submit relevant facts; or

(3) The operator submitted incorrect information on an NOI or NEC.

(b) Electronic NOC. Permittees must submit an NOC using the online e-permitting system available through the TCEQ website unless the permittee requested and obtained an electronic reporting waiver.

(c) Paper NOC. Permittees that are issued an electronic reporting waiver shall submit the NOC on a form provided by the executive director, or by letter if an NOC form is not available.

(d) A copy of the NOC, submitted either electronically or by paper, must also be provided to the operator of any MS4 receiving the discharge (if required by the MS4), and the SWP3 must include a list of the names and addresses of the MS4 operator(s) receiving a copy.

(e) Examples of information that may be submitted on an NOC include the following:

(1) Change to applicant contact or billing information.

(2) Changes to the General Characteristics section, such as adding, removing, or changing an SIC code or industrial activity code; adding or removing industrial activities with federal effluent limitations; or changing the discharge information.

(3) Operator name change, provided that only the name has changed and that no transfer of ownership has occurred (see Part II, Section C.7.(a) below).

(4) Addition, removal, or change in the location of a permitted outfall.

(5) Request to stop submitting monitoring results of benchmarks, numeric effluent limitations (hazardous metals), and pollutants of concern.

(6) Changes in facility status from active to inactive and vice versa.

(f) Delegation of Signatory Authority. If signatory authority is delegated by an authorized representative, then a Delegation of Signatory form must be submitted as required by 30 TAC 305.128 (relating to Signatories to Reports) using the State of Texas Environmental Electronic Reporting System (STEERS), TCEQ's online permitting system, unless the permittee obtained an electronic reporting waiver. A new Delegation of Signatory form must be submitted, if the delegation changes to another individual or position.

(g) Information that may not be submitted on an NOC includes, but is not limited to, the following:

(1) Transfer of operational control from one operator to another, including a transfer of the ownership of a company. A transfer of ownership of a company includes changes to the structure of a company, such as changing from a partnership to a corporation or changing corporation types, so that the filing or charter number that is on record with the Texas Secretary of State (SOS) must be changed. See Part II, Section C.7.(a) below, related to Transfer of Operational Control.

(2) Change in the physical location of the facility. Authorizations may not be transferred to a different location; therefore, if a facility moves, the operator will need to submit an NOI for the new location and an NOT for the previous location.

(h) Additional changes that may be made to the operator's SWP3 and that are not required to be submitted on an NOC include, but may not be limited to, the following:

Change to other information on the site map that was not originally provided on the NOI (e.g., location of processing areas, loading areas, or best management practices).

7. Terminating Coverage

(a) Submitting Notice of Termination (NOT).

(1) A permittee must submit a NOT to the TCEQ to cancel coverage or to cancel a conditional exclusion based on no exposure. An NOT must be submitted in the following situations:

a. An existing facility covered under an NOI changes operations such that a condition of no exposure is obtained.

b. An existing facility with a conditional exclusion based on having no exposure of industrial activities changes operations such that a condition of no exposure no longer exists. The permittee must submit an NOI before a condition of exposure occurs, then must submit an NOT to terminate the existing exclusion.

c. A facility that was covered under an NOI or an NEC is no longer doing business in the original location, and no industrial activities (e.g., manufacturing, processing, material storage, waste material disposal areas and similar areas) remain or continue to be conducted at the site that would require permit coverage. An NOT must be submitted within 10 days after the facility ceases discharging stormwater associated with industrial activity.

d. An operator that submitted an NOI or NEC obtains coverage under an individual permit or obtains coverage under an alternative general permit for stormwater discharges. An NOT must be submitted within 10 days after the operator obtains coverage under the alternative permit.

e. A transfer of operational control occurs. The original operator who submitted the NOI or NEC must submit an NOT to cancel coverage or to cancel a conditional exclusion based on no exposure.

Coverage under this general permit is not transferable. A transfer of operational control includes changes to the structure of a company, such as changing from a partnership to a corporation, or changing to a different corporation type such that a different filing (or charter) number is established with the Texas SOS. When the operator of a regulated industrial facility

changes or operational control is transferred, the original operator must submit an NOT within 10 days prior to the date that responsibility for operations terminates, and the new operator must submit an NOI at least 10 days prior to the transfer of operational control.

(2) Operators of regulated industrial activities who are designated as being automatically authorized by this general permit, and who are not required to submit an NOI or NEC, are not required to submit an NOT to terminate coverage.

(b) NOT Form.

(1) Electronic NOTs. Permittees must submit an NOT using the online e-permitting system available through the TCEQ website unless the permittee requests and obtains an electronic reporting waiver.

(2) Paper NOTs. Permittees that are issued an electronic reporting waiver shall submit the NOT on a form approved by the executive director.

(3) A copy of the NOT, submitted either electronically or by paper, must be provided to the operator of any MS4 receiving the discharge (if required by the MS4).

(c) Effective Date of Termination of Coverage.

Authorization to discharge terminates immediately following confirmation of receipt of the electronic NOT by the TCEQ. If submitted by paper, the authorization to discharge terminates on the day that an NOT is postmarked for delivery to the TCEQ.

8. Signatory Requirements

NOIs, NOTs, NOCs, and NECs must be signed according to 30 TAC §305.44 (relating to Signatories for Applications). Signatory authority may not be delegated to a person who does not meet the requirements listed in the referenced rule.

9. Additional Notification

Industrial facilities that contribute stormwater discharges to an MS4 must provide a copy of the completed NOI or NEC to the operator of the system. These facilities must also provide a copy of all NOCs and NOTs to the operator of the MS4.

10. Fees

(a) Application Fees:

An application fee for electronic submittal of NOIs and NECs is $100.00. The application fee for each paper NOI and each paper NEC is $200.00 and must be submitted with the application.

A fee is not required for submission of an NOT or NOC.

(b) Annual Fees:

A facility authorized under this general permit and required to submit an NOI must pay an annual water quality fee of $200.00 under Texas Water Code, §26.0291, and according to 30 TAC Chapter 205 (relating to General Permits for Waste Discharges).

An annual fee is not required for a facility that obtained a no-exposure exclusion by submitting an NEC application, nor for a facility that is automatically authorized under the general permit without submitting an NOI or NEC application.

11. Permit Expiration

This general permit is issued for an effective term not to exceed five (5) years. Following public notice and comment, as provided by 30 TAC §205.3 (relating to Public Notice, Public Meetings, and Public Comment), the Commission may amend, revoke, cancel, or renew this general permit. If the TCEQ fails to publish public notice of its intent to renew or amend this general permit within 90 days of its expiration date, then dischargers under this general permit must submit an application for an individual permit prior to expiration of this general permit. If TCEQ publishes notice of its intent to renew or amend this general permit 90 days or more prior to expiration, existing authorizations under this general permit will remain in effect until the Commission takes final action on the permit. The renewed or amended general permit will prescribe how to obtain authorization for all dischargers regulated by the general permit, including a deadline for submitting an NOI, if required.

Section D. Alternative Coverage Under an Individual TPDES Permit

1. Individual Permit Alternative

Any discharge eligible for coverage under this general permit may alternatively be authorized under an individual TPDES permit according to 30 TAC Chapter 305 (relating to Consolidated Permits). An operator of a facility described under Part II, Section A.1. of this general permit who chooses to be excluded from coverage under this general permit shall submit an application for coverage under an individual permit. Applications for individual permit coverage for new facilities should be submitted at least 330 days prior to the commencement of a regulated industrial activity to ensure timely permit coverage. Coverage under this general permit should not be terminated for existing facilities until the permittee receives an issued individual permit.

2. General Permit Alternative

Any discharge eligible for authorization under this general permit may alternatively be authorized under a separate general permit according to 30 TAC Chapter 205 (relating to General Permits for Waste Discharges), if applicable.

3. Individual Permit Required

The executive director may require an operator of a regulated industrial activity otherwise eligible for authorization under this general permit to apply for an individual TPDES permit in the following circumstances:

(a) the conditions of an approved TMDL limitation or TMDL Implementation Plan on the receiving stream(s);

(b) the discharge being determined to cause a violation of water quality standards or being found to cause, or contribute to, the loss of a designated use of surface water in the state; and

(c) any other consideration defined in 30 TAC Chapter 205 including 30 TAC §205.4(c)(3)(D), which allows the commission to deny authorization under the general permit and require an individual permit if a discharger has been determined by the executive director to have been out of compliance with any rule, order, or permit of the commission, including non-payment of fees assessed by the executive director.

(d) for a discharger classified as an "unsatisfactory performer" under 30 TAC Chapter 60 (relating to Compliance History). 30 TAC §60.3 requires the executive director to deny or suspend a person's authority relating to that site to discharge under this general permit. A discharger with an "unsatisfactory" compliance history classification is entitled to a hearing before the Commission prior to having its authorization denied or suspended in accordance with TWC §26.040(h).

Denial of authorization to discharge under this general permit or suspension of a permittee's authorization under this general permit must be done according to commission rules in 30 TAC Chapter 205, General Permits for Waste Discharges.

Part III. PERMIT REQUIREMENTS AND CONDITIONS COMMON TO ALL COVERED INDUSTRIAL ACTIVITIES

Section A. General Stormwater Pollution Prevention Plan (SWP3) Requirements

1. Implementation of SWP3 and Consistency with Other Plans

(a) An applicant seeking authorization under this general permit must develop and implement a new, or for existing permittees an updated, SWP3 before submitting an NOI for coverage.

The SWP3 must be signed and certified in accordance with Part III, Section E.6.(c) of this general permit, and must be maintained onsite and made readily available for review upon request by authorized TCEQ personnel as well as any local pollution control agency with jurisdiction.

The SWP3 must be modified whenever necessary to address changing conditions at the site.

Permittees who discharge stormwater to a municipal separate storm sewer system (MS4) shall also provide a copy of the SWP3 to the operator of that MS4 upon receiving a request from the MS4 operator.

The SWP3 must be developed according to the requirements of this general permit. At a minimum, the SWP3 must:

(1) identify actual and potential sources of pollution that may reasonably be expected to affect the quality of stormwater discharges from the facility (see Part III, Section A.3.);

(2) establish practices and any necessary control measures that will prevent or effectively reduce pollution in stormwater discharges from the facility and that ensure compliance with the terms and conditions of this general permit (see Part III, Section A.4.);

(3) describe how the selected practices and controls are appropriate for the facility and how each will effectively prevent or reduce pollution (see Part III, Section A.4.);

(4) describe how controls and practices interrelate to comprise an integrated, facility-wide approach for stormwater pollution prevention, including any useful references to literature or site-specific performance information on the selected controls and practices to demonstrate the appropriateness of each (see Part III, Section A.4.);

(5) establish a Stormwater Pollution Prevention Team (team) and identify team members who will be responsible for developing and revising the SWP3 (see Part III, Section A.2);

(6) provide a description of the facility that includes information about activities, materials, and physical features of the facility that may contribute pollutants to stormwater and any pollutant discharges that could occur during dry weather (see Part III, Section A.3.); and

(7) document the monitoring and inspection procedures and schedules that will be implemented at the site (see Part III, Section B).

(b) Existing plans and measures that are developed based on other regulatory requirements, such as Spill Prevention Control Countermeasures (SPCC) plans that are

required for certain operations under the federal guidelines of 40 CFR Part 112, may satisfy in whole or in part specific requirements of this general permit. These plans or measures may either be attached as a component of the SWP3, or referenced in the SWP3 and made readily available for review upon request by authorized TCEQ personnel as well as any local pollution control agency with jurisdiction.

2. Stormwater Pollution Prevention Team

The permittee shall establish a stormwater pollution prevention team (team). The SWP3 must be kept readily available to the members of the team.

(a) Members of the Team. The SWP3 must identify the members of the team by name and by title, and must list and clearly identify the responsibilities of each team member. The team may consist of a single individual or a group of individuals as appropriate for the facility. Additional members of the team may include environmental professionals that are under contract to the permittee. If the facility is not staffed on a continuous or permanent basis, then company employee(s) from outside of the facility may be identified as a part of the team.

If it is not feasible to provide the name of each team member, then the SWP3 may identify a position or positions within the organization that comprise the team. Members of the organization or the ranking employees or executive officers at the facility must be able to identify the particular individual(s) comprising the team.

(b) Responsibility of the Team. The team is responsible for development of the SWP3 and for assisting the operator or the operator's designee in the implementation, maintenance, and revision of the SWP3.

3. Description of Potential Pollutants and Sources

The SWP3 must identify and describe all activities and significant materials that may potentially be pollutant sources. The SWP3 must include, at a minimum:

(a) Inventory of Exposed Materials. An inventory must be developed that lists materials currently handled at the facility that may be exposed to precipitation or runoff in a drainage area of an outfall covered under this permit. The list must include all materials that are handled, stored, processed, treated, or disposed of in a manner that would allow exposure to precipitation or runoff. Materials stored in drums, barrels, tanks, and similar containers that are tightly sealed, in good structural condition, and do not have leaking valves are not required to be listed in the inventory.

The inventory of materials must include specific pollutants that maybe attributed to those materials. For facilities subject to reporting requirement under EPCRA §313, the SWP3 must list all potential pollutant sources for which they have reporting requirements under EPCRA §313.

The inventory must be updated within 30 days following a significant change in the types of materials that are exposed to precipitation or runoff, or significant changes in material management practices that may affect the exposure of materials to precipitation or runoff. A significant change in the types of materials is exposure of a material, not already included in the inventory that could be transported by precipitation or stormwater runoff and subsequently discharged. A significant change in material management practices is a change that would result in either initial exposure of a material not already listed in the inventory or increased exposure of a material to the extent that the material could be transported by precipitation or stormwater runoff and subsequently discharged.

(b) Narrative Description. The SWP3 must include a narrative description that describes all activities and potential sources of pollutants that may reasonably be expected to add pollutants to stormwater discharges, or that may result in dry weather discharges from the storm sewer system. This description must include locations and sources of runon to the site from adjacent property, and an indication if significant quantities of pollutants are present in the runon.

Examples include the following activities and potential sources when they are exposed to stormwater:

(1) loading, unloading, and material transfer areas;

(2) outdoor storage areas;

(3) outdoor processing areas;

(4) dust producing activities;

(5) on-site waste disposal areas;

(6) vehicle/equipment maintenance, cleaning, and fueling areas;

(7) liquid storage tank areas;

(8) railroad sidings, tracks, and rail cars;

(9) storage piles containing salt used for deicing or other commercial or industrial purposes;

(10) locations where potential spills and leaks could occur that could contribute pollutants to stormwater discharges; and

(11) locations where all significant spills and leaks (for example, reportable quantity spills and spills or leaks that have the potential to cause impacts on water quality) of oil or toxic or hazardous pollutants occurred at exposed areas that drained to a stormwater conveyance in the three (3) years prior to the date the SWP3 was prepared or amended.

For each pollutant or material listed in the Inventory of Exposed Materials, the direction of flow or potential flow to the final permitted outfalls must be identified in the SWP3. The outfall and direction of flow must either be narratively described or identified by referencing the location on the site map. Areas of the facility that have a high potential for significant soil erosion, due to topography, activities, or other factors, must also be identified and either narratively described or identified by referencing the location on the site map.

The narrative description must be updated within 30 days following a change in the types or quantities of materials exposed to precipitation or runoff that, in the judgment of the stormwater pollution prevention team, may reasonably be expected to add pollutants to stormwater discharges. The narrative description must be updated to describe changes in material management practices or other factors that may affect the exposure of materials to precipitation or runoff.

(c) General Location Map. The SWP3 must contain a general location map (e.g., USGS quadrangle map) with enough detail to identify the location of the facility, including all surface waters that could potentially receive the stormwater discharges from the site. For sites with large plots of lands where no industrial activity is conducted, the map must also depict those areas. However, no outfall(s) needs to be assigned for those

areas, if they only discharge stormwater that has not been in contact with industrial activity.

(d) Drainage Area Site Map. A site map(s) must be developed that depict(s) the following:

(1) the location (latitude and longitude) of each outfall covered by the permit and the location (latitude and longitude) of each sampling point (if different from the outfall location);

(2) an outline of the facility's drainage area that shows the direction of the stormwater flow, and the location of all stormwater conveyances (e.g., ditches, gutters, pipes, swales) that drain to each permitted outfall;

(3) connections or discharges to MS4(s);

(4) locations of all structures (e.g. buildings, garages, storage tanks, fueling stations, machinery) and impervious surfaces (e.g., parking lots, paved or concrete pads);

(5) structural control devices designed to reduce pollution in stormwater runoff;

(6) process wastewater treatment units (including ponds);

(7) bag house and other air treatment units exposed to stormwater;

(8) the surface area of the facility (i.e., size in acres or square feet), or a clear scale such that the approximate surface area may be calculated;

(9) locations of all receiving waters, including wetlands, and information as to whether they are impaired or have established TMDLs;

(10) vehicle and equipment maintenance areas;

(11) physical features of the site that may influence stormwater runoff or contribute a dry weather flow;

(12) locations and descriptions of all non-stormwater discharges;

(13) locations where reportable quantity spills or leaks have occurred during the three (3) years before the NOI is submitted to obtain coverage under this general permit;

(14) locations and sources of runon to the site from adjacent property that contains significant quantifies of pollutants;

(15) processing, storage, and material loading/unloading areas; and

(16) any additional locations where significant materials are exposed to precipitation or runoff.

The site map must clearly show the flow of stormwater runoff from each of these locations so that the final outfall(s) where the discharge leaves the facility's boundary is apparent. A series of maps must be developed if the amount of information would cause a single map to be difficult to read and interpret.

(e) Spills and Leaks. The SWP3 must contain a list of reportable quantity spills that occurred in areas exposed to stormwater, or that occurred within the drainage area that contributes to an outfall, during the three (3) years before the NOI was submitted. The list must be updated on a quarterly basis and must include all additional spills and leaks that could contribute pollutants to stormwater discharges (in addition to the previously listed spills of "reportable quantity" only). The updated list may be limited to spills and leaks that have occurred within the previous five (5) years.

(f) Sampling Data. All data from the laboratory analyses of stormwater discharge samples must be summarized. The summary must be updated on an annual basis to include the results of all additional analyses. The data summary must either be included as an attachment to the SWP3 or may be referenced and maintained separately. The data summary must be readily available for review upon request by authorized TCEQ personnel as well as any local pollution control agency with jurisdiction.

4. Pollution Prevention Measures and Controls

The permittee shall implement all pollution prevention practices that are determined to be necessary, reasonable, and effective by the stormwater pollution prevention team, or that are required by a state or local authority, that are necessary to protect the water quality in receiving waters, or that are necessary to remain compliant with this general permit. The SWP3 must include detailed descriptions of the following minimum components and a schedule for implementation:

(a) Best Management Practices (BMPs). A section within the SWP3 must be developed to establish BMPs to reduce the discharge and potential discharge of pollutants in stormwater and to minimize exposure of areas of the site with industrial activity to stormwater. The location and type of BMPs or control measures that have been adopted or installed must be documented in the SWP3. Development of BMPs must be based on the activities and potentials for contamination that are identified in Part III, Section A.4. of this permit.

Examples of BMPs that the permittee may use to comply with this section include the following:

(1) use grading, berming, or curbing when possible to prevent runoff of contaminated flows and to divert runon away from these areas;

(2) locate materials, equipment, and activities in such a way that leaks are contained in existing containment and diversion systems;

(3) clean up spills and leaks promptly using dry methods (e.g., absorbents) to prevent the discharge of pollutants;

(4) use drip pans and absorbents under or around leaky vehicles and equipment or store indoors where feasible;

(5) use spill/overflow protection equipment;

(6) drain fluids from equipment and vehicles prior to on-site storage or disposal;

(7) perform cleaning operations indoors, within storm resistant shelters, or within bermed areas that prevent runoff and runon and that also capture overspray;

(8) ensure that waste, garbage, and floatable debris are not discharged to receiving waters, by keeping exposed areas free of such materials or by intercepting them before they are discharged;

(9) minimize generation of dust and off-site tracking of raw materials, intermediate products, final products, or waste materials; and

(10) divert, infiltrate, reuse, contain, or otherwise reduce stormwater runoff, in order to minimize pollutants in discharges.

(b) Good Housekeeping Measures. A section within the SWP3 must be developed to ensure that areas of the facility that contribute or potentially contribute pollutants to stormwater discharges (e.g., areas around trash dumpsters, storage areas, loading

docks, and outdoor processing areas) are maintained in a clean and orderly manner. Good housekeeping measures must include measures to eliminate or reduce exposure of garbage and refuse materials to precipitation or runoff prior to their disposal. Typical good housekeeping measures include activities that are performed on a daily basis by employees during the course of normal work activities. The good housekeeping measures must be incorporated as a part of the employee training program.

(c) Plastic Materials Requirements. Facilities that handle pre-production plastic must develop and include in the SWP3 activities that will be implemented to ensure that areas of the facility that can contribute plastic pollutants to stormwater discharges (e.g. areas around containers holding plastic materials, plastic storage areas, loading docks where plastics are present, and outdoor areas where plastic materials may be present) are maintained in a clean and orderly manner. Good housekeeping measures must include measures to prevent exposure of plastics and other plastic pre-production materials to precipitation or runoff prior to their use in further processing or disposal. Plastic materials required to be addressed as stormwater pollutants at a minimum include the following: virgin and recycled plastic resin pellets, powders, flakes, powdered additives, regrind, scrap, waste, and recycling material with the potential to discharge or migrate off-site. Facilities that handle pre-production plastic must implement BMPs to eliminate discharges of plastic in stormwater through the implementation of control measures such as the following, where determined feasible (list not exclusive): minimizing spills, cleaning up spills promptly and thoroughly, sweeping and/or vacuuming thoroughly, and pellet capturing.

(d) Erosion and Sedimentation Control Measures. A section within the SWP3 must be developed to address soil erosion and sedimentation. The permittee shall evaluate and use appropriate measures and controls to reduce soil erosion and sedimentation in areas of the facility with demonstrated or potential soil erosion and sedimentation.

Potential use of the following controls must be evaluated, at a minimum: soil stabilization through vegetative cover; contouring slopes; paving; and installation of structural controls.

(e) Structural Controls

(1) Physical structures may be used in conjunction with other pollution prevention measures and controls, as necessary, to reduce pollutants in stormwater discharges. Examples of structural controls that may be used include vegetated swales, oil/water separators, settling ponds, catch basins, berms, and other physical structures.

(2) Velocity Dissipation Devices. Discharge velocities must be controlled to the extent necessary to prevent the destruction of the natural physical characteristics of receiving waters by erosion. Velocity dissipation devices may be constructed at discharge points or along channels and other stormwater collection areas that lead to outfalls. Management alternatives to minimize runoff, such as limiting impervious cover, may also be considered.

(3) A section within the SWP3 must be developed to establish a maintenance program for stormwater structural controls. These controls must be inspected on a regular basis and maintenance frequencies must be established for each of the controls at intervals that ensure effective operation. Mechanical equipment that is part of a structural control, such as a stormwater pump, must also be inspected at intervals described in the SWP3 and maintained at intervals necessary to prevent failures that could result in a discharge of pollutants.

This section of the SWP3 must identify qualified personnel to conduct inspections and establish inspection and maintenance schedules. Records must document the estimated volumes of solids removed from catch basins, sediment ponds, and other similar control structures.

(f) Spill Prevention and Response Measures. A section within the SWP3 must be developed and implemented to prevent spills and to provide for adequate spill response. This section must:

(1) identify areas where spills could contribute pollutants to stormwater discharges;

(2) develop and implement procedures to minimize or prevent contamination of stormwater from spills;

(3) require drums, tanks, and other containers to be clearly labeled;

(4) clearly mark hazardous waste containers that require special handling, storage, use, and disposal;

(5) develop and implement specific spill prevention, detection, and clean up procedures and techniques;

(6) develop procedures to notify appropriate facility personnel, emergency response agencies, public health, or drinking water supply agencies and other regulatory agencies of a reportable quantity spill or other release of oil or a hazardous substance;

(7) make available to facility personnel materials and equipment necessary for spill clean-up;

(8) develop and maintain an inventory of spill cleanup materials and equipment; and

(9) incorporate these measures as a part of the employee training program.

(g) Employee Training Program and Employee Education.

(1) Training. A section within the SWP3 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 SWP3. Employee training must include the following, at a minimum:

a. proper material management and handling practices for specific chemicals, fluids, and other materials used or commonly encountered at the facility;

b. spill prevention methods;

c. the location of materials and equipment necessary for spill clean-up;

d. spill clean-up techniques;

e. proper spill reporting procedures; and

f. familiarization with good housekeeping measures, BMPs, and goals of the SWP3.

The schedule for employee training sessions must be developed based on pollutant potential, employee turnover rate, and other factors the permittee determines are applicable. Training must be conducted at least once per year and records of training activities and attendance lists must be maintained in the SWP3 in accordance with Part III.D.5.

(2) Education. Education must be provided to those employees at the facility who are not directly responsible for implementing or maintaining activities identified in the SWP3, and who do not participate in the employee training program. At a minimum, these employees must be informed of the basic goal of the SWP3 and how to contact the stormwater pollution prevention team regarding stormwater issues.

5. Additional Documentation Requirements

(a) The following records must be kept with the SWP3, in addition to any records required elsewhere in this permit:

(1) A copy of the NOI submitted to TCEQ along with any correspondence exchanged between the permittee and TCEQ related to coverage under this permit;

(2) A copy of the acknowledgment letter from the TCEQ;

(3) If signatory authority is delegated by an authorized representative, then a copy of the formal notification to TCEQ, as required by 30 TAC 305.128 relating to Signatories to Reports must be filed in the SWP3 and made available for review upon request by TCEQ or local MS4 Operator. The formal notification to TCEQ must be submitted either electronically through STEERS, TCEQ's electronic reporting system, or, if qualifying for an electronic reporting waiver, by paper on a Delegation of Signatories form.

(4) A copy of this permit (either paper or electronic version), either as part of the SWP3 or as an attachment to the SWP3 (sections in Part V of this general permit that are not related to the industrial activities at the site need not be included);

(5) Descriptions and dates of any incidences of significant spills, leaks, or other releases that resulted in the discharge of pollutants to surface waters;

a. the circumstances leading to the release and actions taken in response to the release; and

b. measures taken to prevent the recurrence of such releases;

(6) Records of employee training, including date(s) training received;

(7) Documentation of maintenance and repairs of control measures, including the date(s) of regular maintenance, date(s) of discovery of areas in need of repair/replacement, and for repairs, date(s) that the control measure(s) returned to full function, and the justification for any extended maintenance/repair schedules;

(8) Copies of inspection reports;

(9) Description of any corrective action taken at the site, including triggering event and dates when problems were discovered and modifications occurred;

(10) Documentation to support a claim that the facility has changed its status from active to inactive and unstaffed with respect to the requirements to conduct routine facility inspections, quarterly visual assessments, or benchmark monitoring;

(11) Results of monitoring and inspection activities as described in Part III, Section B; and

(12) Documentation of the criteria used to claim a waiver from monitoring hazardous metals.

(b) Records - Records for each element described above in Part III, Section A.4., related to Pollution Prevention Measures and Controls, must either be included as an attachment to the SWP3 and retained on-site or made readily available for review upon request by authorized TCEQ personnel as well as any local pollution control agency with jurisdiction. Records must document and describe maintenance activities, inspections, spills, discharge quality, employee training activities, employee education activities, SWP3 updates or modifications, and other events relative to each element.

6. SWP3 Review

The SWP3 must be maintained either at the site or be readily available for review upon request by authorized TCEQ personnel as well as any local pollution control agency with jurisdiction. The SWP3 must be modified by the permittee as often as necessary. Each revision must be dated, and all revisions must be retained according to Part III, Section D.5. The executive director may determine, following a review or site inspection, that the SWP3 is not sufficient and may require that the SWP3 be revised to correct all deficiencies.

Section B. Periodic Inspections and Monitoring

1. Inspection and Certification of Non-Stormwater Discharges

(a) Permit Coverage for Non-Stormwater Discharges. Non-stormwater discharges eligible for coverage are described in Part II, Section A.6. of this general permit and in the individual sections within Part V of this general permit. The permittee shall identify and evaluate all non-stormwater discharges that qualify for permit coverage. The SWP3 must include a list of the non-stormwater discharges at the facility, as well as the results of this evaluation.

(b) Investigation for Non-Stormwater Discharges. Within 180 days of filing an NOI for coverage (or a renewal NOI) the permittee shall conduct a survey of potential non-stormwater sources and shall provide the certification required in Part III, Section B.1.(c) below. The facility's storm sewer system must be tested or inspected (e.g., screened for dry weather flows) for the presence of non-stormwater flows. Procedures must be evaluated and implemented to eliminate any potential sources that are discovered and are not permitted. The SWP3 must ensure that non-stormwater sources are not combined with stormwater discharges authorized by this permit unless otherwise allowable under Part II.B.5. of this general permit.

The SWP3 must be updated based on this evaluation to include the following:

(1) the date that the evaluation occurred and description of the criteria used for evaluation;

(2) the outfalls or onsite discharge points observed;

(3) the different types of identified non-stormwater discharges and their source locations; and

(4) appropriate BMPs for the non-stormwater discharges, or the actions taken or the control measures used to eliminate them.

(c) Inspection, Documentation, and Certification of Non-Stormwater Discharges. The SWP3 must include a certification, signed according to Part III, Section E.6.(c) of this general permit, relating to Signatory Requirements for Reports and Certifications, that states that the facility's storm sewer system has been evaluated for the presence of non-stormwater discharges and that the discharge of non-permitted, non-stormwater does not occur. The certification must include documentation of how the evaluation was conducted, results of any testing, dates of evaluations or tests, and the portions of the storm sewer system that were observed during the inspection. The inspection for non-stormwater discharges must be completed and the certification must be prepared within 180 days after filing an NOI for permit coverage. The certification must be made readily available for review upon request by authorized TCEQ personnel as well as any local pollution control agency with jurisdiction.

(d) Failure or Inability to Certify.

(1) If a part of the storm sewer system cannot be accessed to complete the evaluation, certification must be provided for the remainder of the system. Notice of this inability to certify a portion of the storm sewer system must be provided to the TCEQ within 180 days after the NOI is submitted. Operators of facilities that contribute stormwater discharges to an MS4 shall provide notice of this inability to certify a portion of the storm sewer system to the MS4 operator upon request from the MS4 operator. The notice must include an explanation of why the evaluation could not be performed and a list of all known potential, non-permitted, non-stormwater sources that could not be included in the certification. The notification must be submitted to the TCEQ's Enforcement Division (MC-224).

(2) If, in the course of evaluating the storm sewer system, the permittee is unable to certify that non-permitted, non-stormwater discharges are not occurring due to non-compliance, then the certification must identify the non-compliance issues and the steps being taken to remedy and prevent further non-compliance.

2. Routine Facility Inspections

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 (Part III, Section A.4.). These inspections must include at least one member of the stormwater pollution prevention team.

(a) Inspections must be conducted at least once per quarter unless otherwise specified in Part V of this permit. If feasible, at least one of these routine facility inspections each calendar year must be conducted during a period when a stormwater discharge is occurring.

(b) The permittee shall document the findings of each routine facility inspection performed and shall maintain this documentation onsite with the SWP3.

(c) The inspections must be documented through the use of a checklist that is developed to include each of the controls and measures that are evaluated. At a minimum, the documentation of each routine facility inspection must include:

(1) the inspection date and time;

(2) the name(s) of the inspector(s);

(3) weather information and a description of any discharges occurring at the time of the inspection;

(4) any previously unidentified discharges of pollutants from the site;

(5) any control measures (structural or non-structural) needing maintenance or repairs;

(6) any failed control measures (structural or non-structural) that need replacement;

(7) any incidents of non-compliance that are observed. An incident of non-compliance is any instance where an element of the SWP3 is either not implemented, or where specific conditions of the permit are not met;

(8) any additional control measures needed to comply with the permit requirements; and

(9) identification of any existing BMPs that are not being properly or completely implemented.

This documentation must be signed in accordance with Part III, Section E.6.(c) of this permit.

When revisions or additions to the SWP3 are recommended as a result of inspections, a summary description of these proposed changes must be attached to the inspection checklist. The summary must identify any necessary time frames required to implement the proposed changes. The routine facility inspection checklists must be made readily available for inspection and review upon request by authorized TCEQ personnel as well as any local pollution control agency with jurisdiction.

3. 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.

(a) Findings must document observations of the following:

(1) color;

(2) clarity;

(3) floating solids;

(4) settled solids;

(5) suspended solids;

(6) foam;

(7) oil sheen;

(8) other obvious indicators of stormwater pollution; and

(9) noticeable odors.

Some examinations, such as an examination for odor and foam, may necessarily be conducted immediately following collection of the sample.

(b) All examinations must be performed in a manner that ensures the sample is representative of the discharge (see Part III, Section D). If this is not possible, then the report must include the reason.

(c) Records of quarterly visual monitoring must include the following information, and the report must be included in the SWP3:

(1) sample location(s);

(2) date and time samples were collected and examined;

(3) names of personnel who collected and examined the samples;

(4) nature of the discharge (e.g., runoff, snowmelt);

(5) results of the observations;

(6) probable sources of any observed contamination;

(7) visual quality of the stormwater discharge; and

(8) the reason why any samples were not collected within the first 30 minutes of discharge.

(d) Results of the examination must be reviewed by the stormwater pollution prevention team. The team must investigate and identify probable sources of any observed stormwater contamination. The SWP3 must be modified as necessary to address the conclusions of the team.

(e) Part V of this general permit may include alternative schedules for visual monitoring at specific industrial sectors, and may include additional requirements.

4. Water Quality Monitoring Requirements

(a) The permittee shall monitor the discharge from the facility at all outfall(s) determined to be discharging a pollutant of concern at a level of concern under Part II, Section B.7, Impaired Water Bodies and Total Maximum Daily Load (TMDL) Requirements.

(b) The permittee may not establish substantially similar outfalls for sampling required under this section.

(c) The permittee shall monitor the discharge(s) from regulated industrial activities for the pollutant of concern at a frequency of once per year. For the following pollutants of concern, monitoring must be conducted for the following alternative pollutants, unless an alternate is approved in writing by TCEQ's Wastewater Permitting Section (MC-148), or the TCEQ develops separate written guidance:

Pollutant(s) of Concern:

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

Dissolved Oxygen: BOD5, COD, or both (based on the nature of the industrial activity, and whether there is an existing benchmark sampling requirement for the facility's industrial sector).

Nutrients: Phosphorous (for discharges to fresh water); or Nitrogen (for discharges to marine waters), unless otherwise established in an applicable TMDL or TMDL Implementation Plan.

Hazardous Metals: Specific metal(s) listed in the CWA 303(d) List or the TMDL.

Other: If the impairment is due to a parameter for which there is not an obvious analytical test or benchmark value (e.g., sediment, fish tissue, etc.), the permittee shall contact the TCEQ for guidance on which pollutant(s) to monitor for, if any, and the

TCEQ will respond in writing. The permittee shall retain this information with the SWP3.

The permittee may utilize the analytical results of sampling for other sections of this general permit to comply with this annual sampling requirements (e.g., hazardous metals sampling in Part III, Section C, or benchmark monitoring in Parts IV and V of this general permit).

(d) Sampling, monitoring, and analyses must be conducted according to procedures specified in Part III, Section E.4 of this permit unless otherwise specified and using test procedures with minimum analytical levels (MALs) at or below benchmark values for all the benchmark parameters for which sampling is required.

(e) Reporting. The permittee shall report the results of sampling for this section to the TCEQ by March 31 following the calendar year in which the samples were collected. The results for the pollutant(s) of concern must be submitted online using the Network Discharge Monitoring Report (NetDMR) reporting system available through the TCEQ website unless the permittee requested and obtained an electronic reporting waiver.

(f) If sampling results indicate that the pollutant is present below the level of concern (e.g., the analytical result is below the benchmark values in Part V of this permit) or is not present (e.g., analytical result is below the MAL), then the permittee may discontinue sampling under this section for the remainder of the permit term.

5. Annual Comprehensive Site Compliance Inspection

The comprehensive site compliance inspection is a required site evaluation and an overall assessment of the effectiveness of the current SWP3. This inspection is in addition to other routine inspections required by the permit; however, it may substitute for a routine facility inspection if it is conducted during the regularly scheduled period of the routine facility inspection and the scope of the inspection is sufficient enough to address both the minimum requirements of the routine inspection and the comprehensive site compliance inspection.

(a) General Requirements. The comprehensive site compliance inspection must be conducted at least once each permit year by one or more qualified employees or designated representatives, including at least one member of the stormwater pollution prevention team. The inspection must include an examination and assessment of:

(1) all areas identified in the Inventory of Exposed Materials section of the SWP3;

(2) all structural controls, including the maintenance and effectiveness;

(3) all non-structural controls (e.g., good housekeeping measures, scheduling, etc.);

(4) all areas where spills and leaks have occurred in the past three (3) years;

(5) all reasonably accessible areas immediately downstream of each outfall that is authorized under this general permit;

(6) industrial materials, residue, or trash that may have or could come into contact with stormwater;

(7) leaks or spills from industrial equipment, drums, tanks, and other containers;

(8) offsite tracking of industrial or waste materials, or sediment where vehicles enter or exit the site;

(9) tracking or blowing of raw, final, or waste materials from areas of no exposure to exposed areas;

(10) a review of the results of the past year's visual and analytical monitoring when planning and conducting inspections that are required by this general permit; and

(11) any control measures needing replacement, maintenance, or repair.

(b) Annual Comprehensive Site Compliance Inspection Report. Within 30 days of performing the annual site compliance inspection, the permittee shall prepare a report that includes a narrative discussion of compliance with the current SWP3. The report must be signed and certified in accordance with Part III, Section E.6.(c) of this permit, and must either be included as a part of the SWP3 or referenced in the SWP3 and be made readily available for inspection and review upon request by authorized TCEQ personnel as well as any local pollution control agency with jurisdiction. The report must document all of the following information:

(1) name(s) and title(s) of the personnel conducting the inspection;

(2) the date(s) of the inspection;

(3) findings from the inspection of areas of the facility;

(4) observations relating to the implementation of control measures:

a. previously unidentified discharges from the site;

b. previously unidentified pollutants in existing discharges;

c. evidence of, or the potential for, pollutants entering the drainage system;

d. evidence of pollutants discharging to receiving waters, and the condition of and around each outfall; and

e. additional control measures needed to address any conditions requiring corrective action identified during the inspection.

(5) revisions to the SWP3 made as a result of the inspection; and

(6) any incidents of non-compliance:

a. An incident of non-compliance is any instance where an element of the SWP3 is either not implemented, or where specific conditions of the permit are not met.

b. If no incidents of non-compliance are discovered, the report must contain a certification by the permittee that the facility, or in the case of a shared SWP3, the portion of the facility the permittee is responsible for, is in compliance with the SWP3.

c. If an incident or incidents of non-compliance is identified, then the report must include all necessary actions to remedy the non-compliance. The identified actions must be completed as soon as practicable, but no later than 12 weeks following the completion of the report.

(c) Revision of the SWP3. Within 12 weeks following the completion of the Annual Site Compliance Inspection Report, the permittee shall revise and implement the SWP3 to include and address the findings of the report. Revisions must include all changes resulting from the report and all applicable updates to the following:

(1) elements of the SWP3 requiring modification;

(2) controls (e.g. structural controls or BMPs) that should be added or modified;

(3) site map;

(4) inventory of exposed materials;

(5) description of the good housekeeping measures;

(6) description of structural and non-structural controls; and

(7) any other element of the plan that was either found to be inaccurate or will be modified.

6. Results of Inspections and Monitoring

If the findings of the inspections and monitoring activities in this section demonstrate compliance with the general permit, then the results of the monitoring are not required to be submitted to the TCEQ, unless specifically requested to do so. If the findings of the inspections and monitoring activities described in this section demonstrate non-compliance, the permittee shall submit the results to the TCEQ in accordance with Part III, Section E.6.

7. Exceptions to Periodic Inspections and Monitoring

Refer to Part III, Section D.4. for exceptions related to adverse weather conditions and inactive and unstaffed sites.

Section C. Numeric Effluent Limitations

This section describes two types of numeric effluent limitations. Numeric effluent limitations for hazardous metals and numeric effluent limitations for stormwater discharges subject to federal effluent limitations guidelines.

1. Numeric Limitations for Hazardous Metals

All permittees are required to monitor for hazardous metals, unless they qualify for a waiver as described in item (c) below. Monitoring results are kept onsite and are only submitted to TCEQ, when results exceed the daily maximum effluent limitation values in Table 1 below.

Table 1. Daily Maximum Effluent Limitation

Parameter (Total)	Discharges to Inland Waters (mg/L)	Discharges to Tidal Waters (mg/L)	Monitoring Frequency
Arsenic	0.3	0.3	1/Year
Barium	4.0	4.0	1/Year
Cadmium	0.2	0.3	1/Year
Chromium	5.0	5.0	1/Year
Copper	2.0	2.0	1/Year
Lead	1.5	1.5	1/Year
Manganese	3.0	3.0	1/Year

Parameter (Total)	Discharges to Inland Waters (mg/L)	Discharges to Tidal Waters (mg/L)	Monitoring Frequency
Mercury	0.01	0.01	1/Year
Nickel	3.0	3.0	1/Year
Selenium	0.2	0.3	1/Year
Silver	0.2	0.2	1/Year
Zinc	6.0	6.0	1/Year

(a) Sampling for Hazardous Metals. A grab sample must be collected at a minimum frequency of once per year at the final outfall or a designated sampling location (also see Part III, Section D.2.). For the purpose of collecting samples for hazardous metals, all designated sampling points must be representative of the discharge(s) from the facility that would reach surface water in the state.

(1) Samples of discharges collected at the final outfall must be collected either immediately prior to entering surface water in the state or immediately prior to leaving the permitted facility property.

(2) Samples of discharges collected at a designated sampling point must be collected in accordance with the requirements in Part III, Section E.4. of this permit.

A designated sampling point must be established when it can be determined that samples taken at a final outfall, as described in item (1) above, would not be considered representative of the discharge from the facility.

(3) If there is not an obvious outfall location, a designated sampling point may need to be created in accordance with the requirement in Part III, Section E.4.(a) of this permit.

(b) Reporting Requirements for Hazardous Metals.

(1) Monitoring must for Hazardous Metals be conducted prior to December 31 for each annual monitoring period and the results must be reported as required in Part III, Section E.6. A copy of the discharge monitoring report (DMR) must either be retained at the facility or must be made readily available for review upon request by authorized TCEQ personnel as well as any local pollution control agency with jurisdiction by March 31 following the annual monitoring period.

(2) Results of monitoring for determining compliance with numeric effluent limitations must be kept onsite and recorded on a DMR. The DMR must either be a copy of record from the NetDMR system, an original EPA No. 3320-1 form, a duplicate of the form, or as otherwise provided by the executive director.

(3) Analytical results that exceeds the effluent limitations, listed above in Table 1, are a permit violation and must be submitted electronically using the online NetDMR reporting system available through the TCEQ website, unless the permittee requests and obtains an electronic reporting waiver. Permittees that are issued an electronic reporting waiver shall submit analytical results to the TCEQ Enforcement Division (MC-224) on an approved DMR form (EPA No. 3320-1), a duplicate of the form, or as otherwise provided by the executive director.

(4) Results that exceeds one or more of the numeric limitations listed above in Table 1, must be reported by March 31 following the annual monitoring period in which the violation(s) occurred.

(c) Waiver from Hazardous Metals Monitoring.

Permittees qualify for a waiver from monitoring requirements for one or more hazardous metals if one of the following criteria is met, and the waiver is obtained by certifying the conditions exist. The criteria under which the waiver is claimed, must also be identified in the SWP3. This certification must be completed on a form provided by the executive director. A new form must be completed during each permit term, no later than prior to the first sampling event that the permittee is seeking to waive. The form must be either maintained onsite or made readily available for review upon request by authorized TCEQ personnel as well as any local pollution control agency with jurisdiction.

Waivers may be obtained on a metal by metal basis, or on an outfall by outfall basis as follows:

(1) the permittee certifies that the regulated facility does not use a raw material, produce an intermediate product, or produce a final product that contains one (1) or more of the hazardous metals listed in Table 1 above; or

(2) the permittee certifies that any raw materials, intermediate products, or final products that contain one or more hazardous metal are never exposed to stormwater or runoff (final products are not considered to expose hazardous metals to stormwater or runoff if the final product is designed for outdoor use, unless it is a product that could be transported by stormwater runoff or the final product will be used as a material or intermediate product); or

(3) the permittee collects a sample from the first available discharge from the facility occurring during first sampling period of this permit, analyzes the sample for one or more of the listed hazardous metals, and the results indicate that the metal(s) is/are not present in detectable levels. Test methods used must be sensitive enough to detect the following parameters at the MAL specified below, and results of sampling must be retained on site and available for review by TCEQ personnel:

Table 2. Minimum Analytical Levels (MAL) for Hazardous Metals

Pollutants	MAL (mg/L)
Arsenic, total	0.0005
Barium, total	0.003
Cadmium, total	0.001
Chromium, total	0.003
Copper, total	0.002
Lead, total	0.0005
Manganese, total	0.0005
Mercury, total	0.000005
Nickel, total	0.002

Pollutants	MAL (mg/L)
Selenium, total	0.005
Silver, total	0.0005
Zinc, total	0.005

When an analysis of a discharge sample for any of the parameters listed above indicates no detectable levels above the MAL, and the test method detection level is as sensitive as the specified MAL, a value of zero (0) may be used for that measurement, and a waiver may be obtained for the duration of the permit term following the sample collection, for any hazardous metal that measures zero (0).

(4) Hazardous metals monitoring waivers are effective beginning on the date that the waiver certification is made following submittal of an NOI and lasting for the duration of the term of this general permit. The permittee will be required to comply with any requirements of a reissued general permit with respect to sampling and waivers, including obtaining a new hazardous metals monitoring waiver (see the criteria listed above).

(d) Relation to Benchmark Monitoring. If a facility is required to sample for any of the above hazardous metals as part of the benchmark requirements in Part V, then the permittee is subject to the effluent limitations listed in Table 1 above for those hazardous metals sampled at a final outfall as part of benchmark monitoring. There are no waivers available for pollutants that are required in Part V of the general permit. If sampling for benchmark metals is not performed at a final outfall, then the above effluent limits may not apply for the benchmark sample if the sample is not representative of the discharge from the site. In this situation, the discharge must also be sampled at each final outfall to comply with the sampling and analyses requirements of this section.

2. Discharges Subject to Federal Categorical Guidelines

Part V of this general permit includes additional effluent limitations for certain stormwater discharges as required under 40 CFR Subchapter N Parts 400-471. Only those stormwater discharges identified in Table 3 below are eligible for coverage under this permit. The permittee is subject to the sampling and reporting requirements as stipulated below, along with the applicable sections of Part III, Section D, and Part V.

Table 3. Stormwater- Sector Specific Numeric Effluent Limitations Guidelines

Regulated Discharge	40 CFR Section	MSGP Sector
Discharges resulting from spray down or intentional wetting of logs at wet deck storage areas	Part 429, Subpart I	A
Runoff from phosphate fertilizer manufacturing facilities that comes into contact with any raw materials, finished products, by-products or waste products (SIC 2874)	Part 418, Subpart A	C
Runoff from asphalt emulsion facilities	Part 443, Subpart A	D

Regulated Discharge	40 CFR Section	MSGP Sector
Runoff from material storage piles at cement manufacturing facilities	Part 411, Subpart C	E
Mine dewatering discharges at crushed stone, construction sand and gravel, or industrial sand mining facilities	Part 436, Subparts B, C, and D	J
Runoff from coal storage piles at steam electric generating facilities	Part 423	O
Runoff containing urea from airfield pavement deicing at existing and new primary airports with 1,000 or more annual non-propeller aircraft departures	Part 449	S

(a) Sample Type: Grab samples must be collected for analyses prior to combining with other flows.

(b) Reporting Requirements for Sector Specific Numeric Effluent Limitations Guidelines. Monitoring for compliance with numeric effluent limitations guidelines in this section and in Part V is subject to the following requirements:

(1) Results of monitoring must be submitted online using the NetDMR reporting system available through the TCEQ website unless the permittee requests and obtains an electronic reporting waiver. Permittees that are issued an electronic reporting waiver shall submit analytical results to the TCEQ Enforcement Division (MC-224) on an approved DMR form (EPA No. 3320-1), a duplicate of the form, or as otherwise provided by the executive director.

(2) Monitoring must be conducted prior to December 31 for each annual monitoring period and the results must be submitted to TCEQ by March 31 of the following year, as described in Part III, Section E.6. of this permit.

(3) In addition, a copy of the DMR must either be retained at the facility or must be made readily available for review upon request by authorized TCEQ personnel as well as any local pollution control agency with jurisdiction my March 31 following the annual monitoring period.

Section D. General Monitoring and Records Requirements

1. Qualifying Storm Events

For purposes of the MSGP, a qualifying storm event is an event that results in a discharge from the permitted facility. For qualifying storm events, the following requirements apply:

(a) Monitoring, sampling, examinations, and inspections of stormwater discharges that are required as a provision of this general permit must be conducted on discharges from a measureable storm event that results in an actual discharge from the site, and that follows the preceding measurable storm event by at least 72 hours (3 days). The 72-hour storm interval does not apply if the permittee is able to document in the SWP3 that less than a 72-hour (3-day) interval is representative for local qualifying storm

events during the sampling period. In the case of snowmelt, the monitoring must be performed at a time when a measurable discharge occurs at the site.

(b) A facility that has retention ponds as BMPs will not always have a discharge from the pond(s) immediately following a qualifying storm event. If any storm events occurred prior to discharge from the outfall, regardless of the time period between the last storm event and the discharge, the permittee may consider the discharge to be the result of the previous qualifying storm event.

(c) The permittee shall maintain an on-site rain gauge, a representative weather station, or subject to TCEQ's approval, an alternative means of compliance to determine when a qualifying storm event occurs. The on-site rain gauge, representative weather station, or the alternative means of compliance must be monitored a minimum of once per week, and once per day during storm events. Records of the date and rainfall total must be retained on-site or made readily available for review. If there is no rain during a given week, the permittee shall monitor and record a zero rainfall total or no rain for the week. Monitoring and recordkeeping of the on-site rain gauge, representative weather station, or the alternative means of compliance may be temporarily suspended during a given monitoring period if a qualifying storm event has occurred and the required sampling and analyses or visual observations have been performed.

2. Representative Discharge Samples

(a) All samples must be representative of the discharge.

(1) Sampling should be conducted within the first 30 minutes of discharge using a grab sample. Sampling from retention ponds described in Part III, Section D.1.b. above should be conducted within 30 minutes of the initiation of discharge from the pond. If it is not practicable to collect the sample or to complete the sampling within the first 30 minutes, then sampling must be completed within the first hour of discharge.

If sampling is not completed within the first 30 minutes of discharge, the reason must be documented and attached to all required reports and records of the sampling activity.

In the case of snowmelt, samples must be taken during a period with a measurable discharge.

(2) If alternate sampling requirements are defined in the permit where numeric effluent limitations have been established, the permittee shall comply with the requirements described in the section with the numerical effluent limits; however, other applicable portions of this section will still apply.

(3) Authorized Stormwater Discharges that Combine with Other Permitted Flows. If stormwater discharges authorized under this general permit combine with other stormwater or with wastewater authorized under a separate permit, then sampling must be conducted at a point before the waters combine.

(4) Non-Stormwater Discharges. Monitoring of allowable non-stormwater discharges is only required when they are commingled with stormwater discharges associated with industrial activity.

(b) Representative Discharges from Substantially Similar Outfalls.

(1) Monitoring requirements apply to all outfalls authorized by this permit, unless the permittee establishes substantially similar outfall(s). If discharges of stormwater

through two (2) or more outfalls show substantially similar effluents, then sampling and monitoring may be conducted at only one (1) of those outfalls that are substantially similar, and the results may be reported as representative of the discharge from the substantially similar outfall(s).

Before results may be submitted as representative of discharges from substantially similar outfalls, the permittee shall ensure that the SWP3 includes a description of all outfall locations and a detailed justification of why the discharge qualities from the outfalls are substantially similar.

To determine if outfalls are substantially similar, the following characteristics of each outfall must be compared:

a. the industrial activities that occur in the drainage area to each outfall;

b. significant materials stored or handled within the drainage area to each outfall; and

c. the management practices and pollution control structures that occur within the drainage area of each outfall.

(2) Substantially similar outfalls may be established for the following monitoring requirements described in this general permit:

a. Quarterly Visual Monitoring (Part III, Section B.3);

b. Hazardous Metals Monitoring (Part III, Section C); and

c. Benchmark Monitoring (Parts IV and V)

(3) Substantially similar outfalls may not be established for the following:

a. Outfalls with any non-stormwater discharges; and

b. Outfalls with discharges subject to numeric effluent limits listed in Part V (sector-specific effluent limits).

(4) The following information must be documented in the SWP3 if the substantially similar outfall exception is being used for any required monitoring:

a. location of each of the substantially similar outfalls;

b. description of the general industrial activities conducted in the drainage area of each outfall;

c. description of the control measures implemented in the drainage area of each outfall;

d. description of the exposed materials located in the drainage area of each outfall that are likely to be significant contributors of pollutants to stormwater discharges;

e. estimate of the runoff coefficient of the drainage areas;

f. explanation regarding why the outfalls are expected to discharge substantially similar effluents; and

g. assurance that control measures have been assessed and modified as appropriate for each outfall represented by the monitored outfall, if necessary due to stormwater contamination being identified through visual assessment of substantially similar outfall.

3. Monitoring Periods

(a) Sampling, inspections, and examinations that are required on a quarterly basis must be conducted during the following periods:

First (1st) quarter: January 1 thru March 31;
Second (2nd) quarter: April 1 thru June 30;
Third (3rd) quarter: July 1 thru September 30; and
Fourth (4th) quarter: October 1 thru December 31.

Permittees shall begin required sampling, inspections, and examinations on a quarterly basis in the first full quarter following submission of an NOI.

(b) Sampling, inspections, and examinations that are required on a semiannual basis must be conducted during the following periods:

First (1st) period: January 1 thru June 30; and
Second (2nd) period: July 1 thru December 31.

Permittees shall begin required sampling, inspections, and examinations on a semiannual basis in the first full period following submission of an NOI.

(c) Monitoring, inspections, and examinations that are required on an annual basis must be conducted before December 31st of each calendar year, beginning with the calendar year that includes the first full quarter following submittal of an NOI.

4. Exceptions to Monitoring Requirements

(a) Adverse Conditions.

(1) Requirements to sample, inspect, examine or otherwise monitor stormwater discharges within a prescribed monitoring period may be temporarily suspended for adverse conditions. Adverse conditions are conditions that are either dangerous to personnel (e.g., high wind, excessive lightning) or conditions that prohibit access to a discharge (e.g., flooding, freezing conditions, extended periods of drought). Adverse conditions that result in the temporary suspension of a permit requirement to sample, inspect, examine, or otherwise monitor stormwater discharges must be documented and included as part of the SWP3. Documentation must include:

a. the date and time of the adverse condition,

b. names of personnel that witnessed the adverse condition,

c. a narrative for the nature of the adverse condition, and

d. readings of the on-site rain gauge, representative weather station, or subject to TCEQ's approval, the alternative means of compliance.

(2) Monitoring Waivers. When monitoring is temporarily suspended due to adverse conditions, that monitoring must be conducted at the next representative rain event or in the next monitoring period, whichever comes first, in addition to any monitoring required for that period. If the temporarily suspended monitoring requirement cannot be fulfilled during the next monitoring period due to continued adverse conditions, then it is permanently waived for both monitoring periods.

(3) The SWP3 must include records of why monitoring was temporarily suspended due to adverse conditions.

(b) Inactive Facilities. Permitted facilities in this inactive status must provide written notice to the executive director of this status by submitting an NOC. Following this notification, permit requirements to sample, inspect, examine, or otherwise monitor stormwater discharges are waived during the period that a facility maintains inactive status, unless the requirements in Part V. of this permit include specific requirements for inactive facilities.

Inactive facilities must notify the executive director by submitting an NOC according to Part II.C.6 at least 48 hours before commencing industrial activities and transferring to active status.

(c) Lack of Qualifying Storm Event. When monitoring was not possible due to a lack of a qualifying storm event as documented in the rain gauge recording, representative weather station, or subject to TCEQ's approval, the alternative means of compliance, monitoring is temporarily suspended.

5. Records Retention

Monitoring and reporting records, copies of all other records required by this general permit, and records of all data used to complete the application for this general permit must be retained at the facility or must be made readily available for review upon request by authorized TCEQ personnel as well as any local pollution control agency with jurisdiction for a period of three (3) years from the date of the record or sample, measurement, report, application, or certification. This period must be extended at the request of the executive director.

The SWP3 must be maintained and be made readily available for inspection and review upon request by authorized TCEQ personnel as well as any local pollution control agency with jurisdiction. Additionally, a copy of all SWP3s for the preceding three (3) year period must be maintained and made readily available for review. In circumstances where the number of revisions to the SWP3 makes this requirement burdensome, a log or record of revisions for the preceding three (3) year period may be maintained and made available.

If the general permit is terminated or allowed to expire without renewal, the SWP3 must be maintained and made readily available for review for a minimum period of one (1) year following cessation of permit coverage.

6. Monitoring and Inspection Documentation

The procedures for conducting the required analytical monitoring must be documented in the SWP3.

(a) For each type of monitoring required in the permit, the SWP3 must include the following:

(1) a list of locations where samples are collected, including any determination that two (2) or more stormwater only outfalls are considered to be substantially similar;

(2) parameters that must be sampled, including the frequency of sampling for each parameter;

(3) schedules for conducting monitoring activities;

(4) any numeric control values applicable to discharges from each outfall (e.g., benchmark sampling levels, numeric effluent limitations, or other requirements); and

(5) procedures for gathering storm event data.

(b) If the permittee is not conducting monitoring due to claiming an inactive and unstaffed site, the information to support this claim must be included in the SWP3.

(c) The procedures for performing the inspections specified by this permit must be documented in the SWP3, including routine facility inspections, quarterly visual assessment of stormwater discharges, and comprehensive site inspections.

For each type of inspection performed, the SWP3 must identify the person(s) or positions of person(s) responsible for inspection; schedules for conducting inspections, including tentative schedule for facilities in climates with irregular stormwater runoff discharges; and specific items to be covered by the inspection, including schedules for specific outfalls.

Section E. Standard Permit Conditions

30 TAC Chapter 305 requires certain regulations appear as standard conditions in waste discharge permits. 30 TAC §§305.121 - 305.129, Subchapter F, Permit Characteristics and Conditions, as promulgated under the TWC §§5.103 and 5.105, the Texas Health and Safety Code §§361.017 and 361.024(a), and those sections of 40 CFR Part 122 adopted by reference by the Commission, establish the characteristics and standards for waste discharge permits. This section includes these conditions and incorporates them into this general permit. More specific requirements for some of these standard permit conditions may be defined for specific sectors of industrial activity that are authorized to discharge under this general permit.

1. General Conditions

(a) Duty to Comply.

(1) Submission of an NOI for permit coverage is an acknowledgment that the applicant agrees to comply with the conditions of the general permit. Acceptance of authorization under the provisions of this general permit constitutes acknowledgment and agreement that the permittee will comply with all the terms and conditions embodied in the permit, and the rules and other orders of the Commission.

(2) The permittee has a duty to comply with all conditions of the permit. Failure to comply with any permit condition constitutes a violation of the permit and the Texas Water Code or the Texas Health and Safety Code and is grounds for enforcement action, for revocation or suspension of coverage under this general permit, and for requiring a permittee to apply for a TPDES individual permit or coverage under an alternative general permit.

(b) Toxic Pollutants.

(1) If any toxic effluent standard or prohibition is promulgated according to the TWC §26.023 for a toxic pollutant that is present in the discharge and that standard or prohibition is more stringent than the conditions of this general permit, this general permit must be modified or revoked and reissued to conform to the toxic effluent standard or prohibition.

(2) The permittee shall comply with effluent standards or prohibitions established according to the TWC §26.023 for toxic pollutants within the time provided in the regulations that established those standards or prohibitions, even if this general permit has not yet been modified to incorporate the requirement.

(c) Permit Flexibility. Authorization under this general permit may be modified, suspended or revoked for cause according to 30 TAC §§305.62 and 305.66 and the TWC Section §7.302. The filing of a notice of planned changes or anticipated non-compliance does not stay any permit condition.

(d) Property Rights. A permit does not convey any property rights of any sort, or any exclusive privilege.

(e) Duty to Provide Information. The permittee shall furnish to the executive director, upon request, any information, including records that are maintained as a requirement of this permit, necessary to determine whether cause exists for revoking, suspending, or terminating authorization under this general permit.

(f) Criminal and Civil Liability.

(1) As provided by state law, the permittee is subject to administrative, civil and criminal penalties, as applicable, for negligently or knowingly violating the CWA, the TWC, Chapters 26, 27, and 28, and Texas Health and Safety Code, Chapter 361, including but not limited to: knowingly making any false statement, representation, or certification on any report, record, or other document submitted or required to be maintained under this permit, including monitoring reports or reports of compliance or non-compliance; falsifying or tampering with or knowingly rendering inaccurate any monitoring device or method required by this permit; or violating any other requirement imposed by state or federal regulations. Nothing in this permit shall be construed to relieve the permittee from civil or criminal penalties for non-compliance.

(2) Any false or materially misleading representation or concealment of information required to be reported by the provisions of the permit or applicable regulation, which avoids or effectively defeats the regulatory purpose of this general permit, may subject the permittee to criminal enforcement.

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

2. Proper Operation and Maintenance

(a) Need to Halt or Reduce Not a Defense. It is not a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this general permit.

(b) Duty to Mitigate. The permittee shall take all reasonable steps to minimize or prevent any discharge or other permit violation that has a reasonable likelihood of adversely affecting human health or the environment.

(c) Operation of Treatment and Control Systems.

(1) The permittee shall at all times ensure that the facility and all of its systems of collection, treatment, and disposal are properly operated and maintained in a manner that will minimize discharges of excessive pollutants and will achieve compliance with the conditions of this permit. Proper operation and maintenance also include adequate laboratory controls and appropriate quality assurance procedures. This provision requires the operation of backup or auxiliary systems that are installed by a permittee only when the operation is necessary to achieve compliance with the conditions of this permit.

(2) The permittee shall provide an adequate operating staff that is duly qualified to carry out operation, maintenance, and testing functions required to ensure compliance with the conditions of this general permit.

(d) Anticipated Non-compliance. The permittee shall give advance notice to the executive director of any planned changes in the permitted facility or activity that may result in non-compliance with permit requirements.

3. Inspection and Entry Requirements

(a) Inspection and Entry. Inspection and entry must be allowed as prescribed in the TWC Chapters 26, 27, and 28, and Texas Health and Safety Code Chapter 361.

(b) Entry to Public or Private Property. The members of the Commission and employees and agents of the Commission are entitled to enter any public or private property at any reasonable time for the purpose of inspecting and investigating conditions relating to the quality of surface water in the state or the compliance with any rule, regulation, permit or other order of the Commission. Members, employees, or agents of the Commission and Commission contractors are entitled to enter public or private property at any reasonable time to investigate or monitor or, if the responsible party is not responsive or there is an immediate danger to public health or the environment, to remove or remediate a condition related to the quality of surface water in the state. Members, employees, Commission contractors, or agents acting under this authority who enter private property shall observe the establishment's rules and regulations concerning safety, internal security, and fire protection, and if the property has management in residence, shall notify management or the person then in charge of his presence and shall exhibit proper credentials. If any member, employee, Commission contractor, or agent is refused the right to enter in or on public or private property under this authority, the executive director may invoke the remedies authorized in TWC §7.002.

4. Monitoring and Sampling

(a) Representative Sampling. Samples and measurements taken for the purpose of monitoring must be representative of the monitored activity or activities and must be taken at an outfall or outfalls that will best represent the types of industrial activity or activities conducted at a facility site. If no obvious outfall location is present (e.g., a diffuse point source), the permittee may need to create a sampling point. This may include creating a depression or using physical means (e.g., sandbags or curbs) to direct the runoff for easier collection for sampling and measurement purposes.

(b) Benchmark Monitoring. This type of monitoring differs from monitoring for compliance with numeric effluent limitations. Results from benchmark monitoring are used to determine if the selected BMPs are effective. The samples should be collected from internal or external outfalls where the BMPs are installed.

(c) Monitoring Procedures.

(1) Unless otherwise specified in this permit, test procedures for the analysis of pollutants shall comply with procedures specified in 30 TAC §§319.11 - 319.12.

(2) All laboratory tests submitted to demonstrate compliance with this permit must meet the requirements of 30 TAC Chapter 25, Environmental Testing Laboratory Accreditation and Certification.

(d) Monitoring Results. Monitoring results must be provided at the intervals specified in this general permit.

(e) Additional Monitoring by the Permittee. If the permittee monitors any pollutant more frequently than required by this general permit using approved analytical methods, all results of the monitoring must be included in the calculation and reporting of the values recorded on the DMR and must be included in any other calculation, record, or reports required to be maintained as a provision of this general permit. Increased frequency of sampling must be indicated on the DMR.

5. Records Requirements

(a) Retention of Records.

(1) The period records are required to be retained must be automatically extended to the date of the final disposition of any administrative or judicial enforcement action that may be instituted against the permittee.

(2) Monitoring and reporting records, including records of calibration and maintenance, and copies of all records and reports required by this permit, must be retained at the facility or must be readily available for review by a TCEQ representative for a period of three years from the date of the record or sample, measurement, report, application or certification unless otherwise specified in this permit. This period must be extended at the request of the executive director.

(b) Record Contents.

Records of monitoring must include, at a minimum, the following:

(1) date, time, and place of sample or measurement;

(2) identity of the individual who collected the sample, made the measurement or observation, or performed the analysis;

(3) date and time the sample, measurement, or observation was made, and the analysis conducted;

(4) identity of the individual and laboratory who performed the analysis;

(5) technique or method of analysis;

(6) results of the measurement, observation, or analysis; and

(7) quality assurance/quality control records.

6. Reporting Requirements

(a) Self-Reporting of Numeric Effluent Limits Results.

(1) Results of analyses for determining compliance with numeric effluent limitations must be submitted online using the NetDMR reporting system available through the TCEQ website unless the permittee requests and obtains an electronic reporting waiver. Permittees that are issued an electronic reporting waiver shall submit analytical results to the TCEQ Enforcement Division (MC-224) on an approved DMR form (EPA No. 3320-1). Effluent sampling shall be conducted in accordance with the monitoring frequencies specified in this general permit.

(2) Monitoring must be conducted prior to December 31 for each annual monitoring period. Results of the monitoring must be recorded on a DMR and made available by March 31 of the following year as described below:

a. DMRs for hazardous metals sampling (see Part III, Section C.1. of this general permit) must either be retained at the facility or must be otherwise made readily available for review upon request by March 31 of the following year. DMRs are only submitted to TCEQ, when results exceed permit limits in Table 1, Part III, Section C.1.

b. In addition, DMRs for the following sampling results must be submitted online using the NetDMR reporting system, unless the permittee has obtained an electronic reporting waiver, in which case a paper DMR form must be submitted:

(i) Exceedance of any numeric effluent limits for hazardous metals. (also see Part III, Section E.6.(b) below), and

(ii) Results of all sampling and monitoring performed to comply with federal numeric effluent limitations guidelines (40 CFR Subchapter N - Parts 400 through 471) as described in Part III, Section C.2 and Part V of this permit (See Part V, Sections A.7., C.4., D.4., E.5., J.6., O.5., and S.6.).

c. If no discharge occurs from facilities subject to monitoring for numeric effluent limitations, a DMR must be submitted that indicates no discharge occurred during the reporting period. In addition to reporting requirements for numeric effluent limits that are recorded on DMRs, the permittee shall report to the TCEQ the results of all sampling and monitoring performed to comply with any non-numeric requirements as described in Part V of this permit, and this information shall be submitted along with the DMR form by March 31 of each year.

(b) Non-compliance Notification.

(1) According to 30 TAC §305.125(9) any non-compliance that may endanger human health or safety, or the environment, must be reported by the permittee to the TCEQ. Report of such information must be provided orally or by electronic facsimile transmission (fax) to the TCEQ regional office within 24 hours of becoming aware of the non-compliance. A written report must be provided by the permittee to the TCEQ regional office and to the TCEQ Enforcement Division (MC-224) within five working days of becoming aware of the non-compliance. The written report must contain:

a. a description of the non-compliance and its cause;

b. the potential danger to human health or safety, or the environment;

c. the period of non-compliance, including exact dates and times;

d. if the non-compliance has not been corrected, the anticipated time it is expected to continue; and

e. steps taken or planned to reduce, eliminate, and prevent recurrence of the non-compliance, and to mitigate its adverse effects.

(2) In addition to the above, any violation that exceeds the permitted effluent limitation by more than 40% must be reported in writing to the appropriate TCEQ regional office and to the Enforcement Division (MC-224) within five working days of becoming aware of the non-compliance.

(3) Other Non-compliance.

In addition to the reporting requirements listed in Part III, Sections E.6.(b)(1) and (2) above, any non-compliance with the permit must be reported in writing to the TCEQ:

a. Any other non-compliance(s) as described in Part III.B.5(b)(6)(a) must be reported to the TCEQ by March 31 following the calendar year in which the non-compliance(s) occurred. The permittee shall report any additional non-compliance(s) not described above under this paragraph to the TCEQ, Information Resource Division, MC-213, or to the address shown on a reporting form, if one is made available by TCEQ. The permittee may meet this requirement by submitting a copy of the Annual Comprehensive Site Compliance Inspection Report (see Part III, Section B.5.(b)) or by submitting a narrative explanation of the non-compliance(s).

(c) 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 (relating to Signatories to Reports).

(d) Other Information. When the permittee becomes aware that it either submitted incorrect information or failed to submit any relevant facts on an NOI, NOT, NEC, NOC, or any report, it must promptly submit the facts or information to the executive director.

7. Solid Waste

(a) Industrial Solid Waste

Facilities that generate industrial solid waste as defined in 30 TAC §335.1 must comply with these provisions:

(1) Any solid waste, as defined in 30 TAC §335.1, generated by the permittee during the management and treatment of stormwater, must be managed according to all applicable provisions of 30 TAC Chapter 335, relating to Industrial Solid Waste and Municipal Hazardous Waste.

For the purpose of stormwater treatment, a solid waste management unit includes structural controls such as detention ponds, retention ponds, or other similar dedicated ponds used for removal of pollutants in stormwater, and does not include other control structures such as berms; grass swales; pipes and ditches (or similar stormwater conveyances); or silt fences.

(2) Stormwater that is being collected, accumulated, stored, or processed within a solid waste management unit, before discharge through any final outfall authorized by this permit, is considered to be solid waste until the stormwater passes through the actual point source discharge, and must be managed according to all applicable provisions of 30 TAC Chapter 335.

(3) The permittee shall provide written notification, pursuant to the requirements of 30 TAC §335.6, to the Corrective Action Section (MC-127) of the Remediation Division informing the Commission of any closure activity involving a Solid Waste Management Unit, at least 90 days prior to conducting such an activity.

(4) Construction of any solid waste management unit requires the prior written notification of the proposed activity, pursuant to the requirements of 30 TAC §335.6(a) to the Registration and Reporting Section (MC 129) of the Permitting and Registration Support Division. No person shall dispose of industrial solid waste or municipal hazardous waste, including sludge or other solids from

stormwater treatment processes, prior to fulfilling the deed recordation requirements of 30 TAC §335.5.

(5) The permittee shall keep management records for all sludge or other waste removed from any stormwater treatment process. These records must fulfill all applicable requirements of 30 TAC Chapter 335 and must include the following, as it pertains to wastewater treatment and discharge:

a. volume of waste and date generated from treatment process;

b. volume of waste disposed of onsite or shipped off-site;

c. date of disposal;

d. identity of hauler or transporter;

e. location of disposal site; and

f. method of final disposal.

The above records must be updated on a monthly basis. The records must be retained at the facility or must be readily available for review by authorized representatives of the TCEQ for at least five years.

(b) Municipal Solid Waste

All facilities regulated under this general permit that generate municipal solid waste must comply with applicable rules and regulations, including 30 TAC Chapter 330.

Part IV. BENCHMARK MONITORING REQUIREMENTS

This permit specifies pollutant benchmark concentrations that are applicable to certain industrial sectors/subsectors. Benchmark monitoring data are primarily used to determine the overall effectiveness of selected BMPs.

Section A. Use of Benchmark Data

1. Monitoring for Benchmark Parameters in Discharges

The permittee shall monitor the discharge(s) from regulated industrial activities as required in Part III.E.4(b) and Part V of this general permit, for the benchmark parameters specified within each section of Part V. Benchmark monitoring is required for the industrial sector(s) listed in Part V of this permit that are applicable to the permittee's facility/site. 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 this permit.

(a) The permittee shall compare the results of the benchmark analyses to the benchmark values for any pollutant(s) that the permittee is required to monitor according to Part V of this general permit, and shall include this comparison in the overall assessment of the SWP3's effectiveness. Analytical results that exceed a benchmark value are not a violation of this permit, as these values are not numeric effluent limitations. However, not conducting benchmark sampling, not submitting the benchmark monitoring form with sample results, or not submitting the benchmark monitoring form with an explanation as to why the sampling failed to be conducted is a violation of the permit requirements for benchmark monitoring submittal. Exceedances of benchmark values indicate that modifications to the SWP3 and current BMP(s) may be necessary.

(b) The permittee is not eligible for a sampling waiver under Part III, Section C. of this permit for any hazardous metals that are required to be sampled as part of benchmark monitoring. The permittee is subject to the effluent limitations in Part III, Section C. for any monitoring for hazardous metals that is conducted at a final outfall.

(c) Sampling, monitoring, and analyses must be conducted according to procedures specified in Part III, Section E.4. of this permit unless otherwise specified and using test procedures with minimum analytical levels (MALs) at or below benchmark values for all the benchmark parameters for which sampling is required.

2. Background Concentrations

If during benchmark monitoring the average concentration of a pollutant exceeds a benchmark value and it is determined that the exceedance is attributable solely to the presence of that pollutant in the natural background, the permittee is not required to perform corrective action or additional benchmark monitoring provided that:

(a) the average concentration of the benchmark monitoring results are less than or equal to the concentration of the pollutant in the natural background;

(b) the permittee documents in the SWP3 the supporting rationale for concluding that benchmark exceedance are attributable solely to natural background pollutant levels, as outlined in Part IV, Section A.2.of this permit. Any data previously collected (including literature studies) must be included in the supporting rationale that describe the levels of natural background pollutants in the stormwater discharge; and

(c) the permittee notifies TCEQ in writing during the reporting period for the sampling period that the permittee determined the benchmark exceedance are attributable solely to natural background pollutant levels.

Natural background pollutants include substances that are naturally occurring in the soil or groundwater. Natural background pollutants do not include legacy pollutants from earlier activity at the site, or pollutants in runon from neighboring sources that are not naturally occurring. Background concentrations may be identified by laboratory analyses of samples of stormwater runon to the permitted facility, laboratory analyses of samples of stormwater runoff from adjacent non-industrial areas, or by identifying the pollutant as a naturally occurring material in soil at the site.

3. Investigations of Benchmark Value Exceedences

The Pollution Prevention Team must investigate the cause for each exceedance and must document the results of this investigation in the SWP3 within 90 days following the sampling event.

The Pollution Prevention Team investigation must identify the following:

(a) any additional potential sources of pollution, such as spills that might have occurred;

(b) necessary revisions to the Good Housekeeping Measures section of the SWP3;

(c) additional BMPs, including a schedule to install or implement the BMPs; and

(d) other parts of the SWP3 for which revisions are appropriate.

Background concentrations of specific pollutants may be considered during the investigation as described in Part IV, Section A.2. above. If the Pollution Prevention Team is able to relate the cause of the exceedance to background concentrations, then subsequent

exceedance of benchmark values for that pollutant may be resolved by referencing the earlier finding in the SWP3.

4. Exception for Inactive and Unstaffed Sites

The requirement for benchmark monitoring does not apply at a facility that is inactive and unstaffed, provided that there are no industrial materials or activities exposed to stormwater and that the permittee performs the following:

(a) include a written statement in the SWP3 stating that the site is inactive and unstaffed, and that there are no industrial materials or activities exposed to stormwater. This statement must be signed and certified in accordance with 30 TAC §305.128; and

(b) immediately begin complying with the applicable benchmark monitoring requirements in this section if circumstances change and industrial materials or activities become exposed to stormwater, or the facility becomes active or staffed, as this creates a condition where the exception no longer applies. Benchmark monitoring must be resumed as if in the first year of permit coverage. The permittee must indicate in the first benchmark monitoring report that the facility has materials or activities exposed to stormwater or has become active or staffed.

(c) If a site or facility is not qualified for this exception at the time authorization is obtained under this permit, but becomes qualified because the facility is inactive and unstaffed at some point during the permit term, and there are no industrial materials or activities that are exposed to stormwater, then the permittee must notify TCEQ in writing of this change in the next benchmark monitoring report. Benchmark monitoring may be discontinued once TCEQ has been notified in writing, and a certification statement has been prepared and signed and certified in accordance with 30 TAC §305.128.

5. Adverse Weather Conditions

Sampling under this section is subject to the exceptions related to adverse weather conditions or drought in accordance with Part III, Section D.4. of this general permit.

Section B. Benchmark Monitoring Requirements

The benchmark monitoring parameters for each industrial sector are listed in Part V of this general permit under the individual sectors. Benchmark monitoring must be conducted once every six months for four (4) years following permit issuance.

1. Monitoring Periods

(a) Benchmark monitoring must be conducted once every six months (January through June **or** July through December) following permit issuance, and then once during each subsequent semiannual monitoring period (i.e., January through June and July through December) during the remaining permit term, except that a waiver is available for the third and fourth year according to Part IV, Section B.1.(c) below.

(b) Operators of industrial facilities that obtain coverage after the beginning of a monitoring period shall initiate benchmark monitoring during the first six-month monitoring period (January through June **or** July through December). Because permit renewal occurs in between monitoring periods, the first year of sampling will occur on the first full six-month monitoring period (i.e. January through June). Sampling must be conducted once per semiannual monitoring period (January through June and July

through December) thereafter, for up to a total of four (4) years, or eight (8) semiannual monitoring periods, depending on when coverage is obtained. Monitoring is not required in the calendar year of renewal of the general permit, because this year does not have two full six months monitoring periods. A waiver is available if the annual average results of monitoring during the first two (2) years are all below benchmark levels, in accordance with Part IV, Section B.1.(c) below.

(c) Waiver from Benchmark Monitoring. If the annual average results of benchmark sampling for the first two monitoring years are all below the benchmark levels, the permittee may waive out of benchmark monitoring requirements during the third and fourth monitoring years. To request the waiver from benchmark monitoring, the permittee shall submit an NOC in accordance with Part II.C.6. The annual average result is the average of all samples collected for a particular pollutant for a specific SIC code during the previous calendar year, January through December. If sampling for any monitoring period was not performed, then the average annual result must be calculated using the remaining samples for that calendar year.

Permittees who obtain a waiver are subject to the following limitations:

(1) The permittee may exercise this waiver from benchmark monitoring, so long as the analytical result for any pollutant limited in the annual hazardous metal monitoring does not exceed the corresponding benchmark monitoring level for that pollutant, if that pollutant is included in the list of parameters in Part V of this permit for which monitoring is required of the permittee.

(2) If during monitoring for annual hazardous metals, sampling to comply with sector-specific effluent specific limits, or any additional sampling performed by the facility operator, an analytical result exceeds the benchmark level for a pollutant for which a benchmark waiver was obtained, the permittee shall investigate the source of the exceedance, make the necessary correction or mitigation (as outlined above in section A) and return to performing benchmark monitoring according to: the requirements of Part IV; the applicable schedule outlined in Part III, Section D.3.; and any sector specific requirements that apply.

(3) This waiver does not affect the requirements for a permittee to sample and analyze its discharge to comply with any numeric effluent limitations established in this permit. (See Part III, Section C, related to hazardous metals monitoring, and Part V for discharges subject to federal effluent limitations guidelines listed in Part V of this permit.

2. Reporting Requirements

(a) Results of analyses for sampling during benchmark monitoring years one through four, must be submitted to TCEQ before March 31 of each year following sample collection. Permittees who requested a benchmark waiver after the first two monitoring years, following the NOI submittal, are not required to submit sampling results for monitoring years three and four. The reported values must be the average yearly result of analysis for each specific pollutant discharged under a specific SIC code, rather than an outfall-by-outfall, basis. The results must be submitted online using the NetDMR reporting system unless the permittee requests and obtains an electronic reporting waiver. Permittees that request and obtain an electronic reporting waiver shall submit a monitoring results on a form (TCEQ No. 20091) provided by the executive director and mailed to the TCEQ's Stormwater Team (MC-148).

(b) Substantially similar outfalls may be established for benchmark monitoring, in accordance with Part III, Section D.2. of this general permit.

(c) If sampling during any six-month period is not conducted for a pollutant due to adverse weather conditions or drought in accordance with Part III, Section D.4. of this general permit, then the reported average annual result must be based on data collected for that year. If there is no rain during a given week, the permittee shall monitor and record a zero rainfall total or no rain for the week according to Part III.D.1.(c).

Part V. SPECIFIC REQUIREMENTS FOR INDUSTRIAL ACTIVITIES

The requirements in Part V of this general permit are sector specific and are in addition to the requirements in Parts III and IV of this general permit. Where co-located industrial activities occur (refer to Part II, Section A.4. of this general permit) the additional conditions and requirements in Part V of this general permit for each of these activities also apply.

Section A. Sector A of Industrial Activity - Timber Products Facilities

1. Description of Industrial Activity

The requirements under this section apply to stormwater discharges from activities identified and described as Sector A. Sector A industrial activities are described by the following Standard Industrial Classification (SIC) codes:

SECTOR A: TIMBER PRODUCTS

SIC Codes	*SIC Code Description*
2411	Log Storage and Handling (without the use of chemical additives in spray water or applied to the logs)
2421	General Sawmills and Planning Mills
2426	Hardwood Dimension and Flooring Mills
2429	Special Product Sawmills, Not Elsewhere Classified
2431 – 2439	(except 2434) -Millwork, Veneer, Plywood, and Structural Wood (SIC Code 2434 - Wood Kitchen Cabinets, see Sector W)
2441 - 2449	Wood Containers
2451, 2452	Wood Buildings and Mobile Homes
2491	Wood Preserving
2493	Reconstituted Wood Products
2499	Wood Products Not Elsewhere Classified

(See Part II, Section A.1.b for a detailed list of SIC codes)

2. Definitions

(a) Debris. For the purposes of this section, debris is woody material such as bark, twigs, branches, heartwood, or sapwood that will not pass through a 2.54 centimeter (one-

inch) diameter round opening and is present in the discharge from a wet storage facility.

(b) Wet decking water. Water that is intentionally sprayed or deposited onto logs or roundwood that are being stored on land.

3. Limitations on Permit Coverage

(a) Prohibition of Process Wastewater. This general permit does not authorize the discharge of wastewater resulting from the storage of logs or round wood before or after removal of bark in self-contained bodies of water (i.e., mill ponds or log ponds). Discharges from these activities must be authorized under an individual TPDES permit or other authorized means, or must be disposed in a manner that does not constitute a discharge into or adjacent to water in the state.

(b) Prohibition of Stormwater from Wood Treatment Areas. This general permit does not authorize the discharge of stormwater that has come in contact with areas where chemical formulations designed to provide wood surface protection and wood preservation were sprayed. Stormwater discharges from these areas must either be captured within a containment structure and disposed of in a manner that does not constitute a discharge into or adjacent to water in the state or must discharged under authority of an individual TPDES permit or other authorized means.

4. Authorized Non-Stormwater Discharges

Wet Decking Water. In addition to the non-stormwater discharges allowed under Part II of this general permit, wet decking water may be discharged from lumber and wood storage yards where the wet decking process does not include chemical additives and where chemicals are not applied to the wood during storage.

5. Description of Potential Pollutants and Sources

(a) Inventory of Exposed Materials. Facilities that use or have previously used chlorophenolic compounds, creosote, chromium, copper, or arsenic formulations for the surface protection of wood or wood preserving activities must address these activities in the SWP3 according to the requirements of Part III, Section A.3. of this general permit. The following areas must be included in the inventory of exposed materials:

(1) areas where treatment chemicals have contaminated any soils;

(2) areas where any wood treatment equipment remains or is stored, including equipment that is no longer in use;

(3) areas where treatment chemicals and treated materials remain; and

(4) BMPs that are implemented to minimize these materials from coming into contact with stormwater.

(b) Site Map. The site map must include documentation of any of the following that may be exposed to stormwater: processing areas, treatment chemical storage areas, treated wood and residue storage areas, wet decking areas, dry decking areas, untreated wood and residue storage areas, and treatment equipment storage areas.

6. Pollution Prevention Measures and Controls

The SWP3 must include the following elements in addition to the requirements of Part III, Section A.4 and Part III, Section A.5. of this general permit:

(a) BMPs and good housekeeping measures must be implemented to limit the discharge of wood debris, minimize the leachate generated from decaying wood materials, and minimize the generation of dust.

(b) Structural controls may be used to limit the discharge of wood debris, minimize the leachate generated from decaying wood materials, and minimize the generation of dust.

(c) Facilities that conduct surface protection or preservation of wood products shall develop specific BMPs, including an implementation schedule, to reduce pollution in runoff from these areas of industrial activity.

(d) Periodic Inspections. Periodic inspections for facilities that conduct surface protection or preservation of wood products must include additional inspection procedures for processing areas, transport areas, and treated wood storage areas. The inspection procedures must provide an assessment of the effectiveness of BMPs in minimizing the amount of treatment chemicals that drip on unprotected soils and on other areas that come in contact with stormwater.

(1) Where feasible, the permittee shall conduct monthly inspections, in the same manner as developed for quarterly inspections. If monthly inspections are not feasible, then the permittee shall document the reason in the SWP3 and shall retain a minimum inspection frequency of once per quarter.

(2) The permittee shall conduct monthly inspections of wood treatment areas, treated wood storage areas, and treated wood transport loading and unloading areas to assess the effectiveness of specific BMPs and controls.

(3) Results and records of inspections must be evaluated, maintained, and incorporated into the standard periodic inspection reports as described in Part III, Section B., regardless of the frequency that the inspections are conducted.

(4) Follow-up procedures must be identified to ensure that appropriate actions are taken in response to the evaluations of the inspections.

7. Numeric Effluent Limitations

The following numeric effluent limitations, based on guidelines from the Wet Storage Subcategory (Subpart I) of the Timber Products Processing Point Source Category (40 CFR Part 429), apply to discharges of wet decking water. These discharges must not exceed the following numeric effluent limitations and monitoring requirements:

Table 4. Numeric Effluent Limitations for Sector A Facilities Discharging Wet Decking Water

Industrial Activity	Parameter	Effluent Limitation[1]
Discharges resulting from wet decking water	Debris	No Discharge
	pH	6.0-9.0 S.U.

[1]Monitor annually

8. Benchmark Monitoring Requirements

The following subsectors must conduct benchmark monitoring on discharges of stormwater associated with industrial activities according to the requirements in Part IV of this general permit.

Table 5. Benchmark Monitoring Requirements for Subsections in Sector A

SIC Code	Description of Industrial Activity	Benchmark Parameter	Benchmark Value
2421	General Sawmills and Planning Mills	COD TSS Zinc, total	60 mg/L 50 mg/L 0.16 mg/L
2491	Wood Preserving	Arsenic, total Copper, total	0.010 mg/L 0.030mg/L
2411	Log Storage and Handling (Wet deck storage areas where no chemical additives are used in the spray water or applied to the logs)	TSS	50 mg/L
2426, 2429, 2431-2439 (except 2434), 2441, 2448, 2449, 2451, 2452, 2493 and 2499	Hardwood Dimension and Flooring Mills; Special Products Sawmills, not elsewhere classified; Millwork, Veneer, Plywood, and Structural Wood; Wood Pallets and Skids; Wood Containers, not elsewhere classified; Wood Buildings and Mobile Homes; Reconstituted Wood Products; and Wood Products Facilities not elsewhere classified	COD TSS	60 mg/L 50 mg/L

Section B. Sector B of Industrial Activity - Paper and Allied Products Manufacturing Facilities

1. Description of Industrial Activity

The requirements under this section apply to stormwater discharges from activities identified and described as Sector B. Sector B industrial activities are described by the following SIC codes:

SECTOR B: PAPER AND ALLIED PRODUCTS

SIC Codes	*SIC Code Description*
2611	Pulp Mills
2621	Paper Mills
2631	Paperboard Mills
2652 – 2657	Paperboard Containers and Boxes
2671 – 2679	Converted Paper and Paperboard Products, Including Plastic Bags Produced from Plastics Film

(See Part II, Section A.1.b for a detailed list of SIC codes)

2. Limitations on Permit Coverage

(a) Prohibition of Contaminated Runoff from Petroleum Refineries. Discharges of stormwater from petroleum refineries subject to federal guidelines found at 40 CFR Part 419 are not authorized under this general permit and must be authorized by an individual TPDES wastewater discharge permit or other authorized means. This general permit only authorizes the discharge of non-process area stormwater runoff from petroleum refineries described by SIC code 2911 that are not subject to 40 CFR Part 419 guidelines.

(b) Prohibition of Non-Stormwater Discharges. Non-stormwater discharges are not eligible for coverage except according to the conditions of Part II, Section A.6. of this general permit. The following non-stormwater discharges are specifically prohibited under this section: discharges containing inks, paints, and other substances resulting from an onsite spill; contents from drip pans; wash-waters from material handling and processing areas; and wash waters/rinse-waters from drums, tanks, and other containers.

3. Pollution Prevention Measures and Controls/Management of Runoff with Structural Controls

The following requirements must be included in the SWP3 according to requirements of Part III, Sections A.4. and A.5. of this general permit:

(a) Security System. A security system must be developed to prevent accidental or intentional discharges by unauthorized individuals. The system may include fences, lights, traffic controls, building security, and equipment security.

(b) Practices for Material Handling and Storage Areas. Practices must be developed to conform to the following:

(1) Diking, curbing, berms, or other appropriate controls must be used in areas where liquid or powdered materials are stored to reduce the potential of contamination of stormwater from these materials.

(2) Curbs, culverts, gutters, sewers, or other forms of drainage control must be used to minimize contamination of stormwater in all other outside storage areas, including areas for machinery, scrap and construction materials, and pallets.

(3) Roofs, covers, or other types of protection must be used in all other outside storage areas to limit or prevent exposure of materials to precipitation or runoff.

(4) In areas where liquid or powdered materials are transferred in bulk from truck or rail cars, permittees shall develop and implement measures to minimize contact of materials with precipitation or runoff. Hose connection points at storage containers must be located within containment areas and drip pans or other measures must be used outside the containment area (e.g. at hose reels, connection points with rail cars, tank trucks) to prevent spills from contacting precipitation or runoff.

(5) In areas where materials are transferred as packaged materials, permittees shall consider providing appropriate protection such as overhangs or door skirts to enclose trailer ends at truck loading docks, or equivalent controls.

(6) Structures used to limit pollution at material handling and storage areas should control drainage through the use of manually operated valves or other similar positive control devices. Flapper-type gate valves are not allowed. Pumps may be

2. Benchmark Monitoring Requirements

The following subsectors must conduct benchmark monitoring according to the requirements in Part IV of this general permit and must conduct evaluations on the effectiveness of the facility SWP3 based on the following benchmark values:

Table 6. Benchmark Monitoring Requirements for Subsections in Sector B

SIC Code	Description of Industrial Activity	Benchmark Parameter	Benchmark Value
2631	Paperboard Mills	COD	60 mg/L

Section C. Sector C of Industrial Activity - Chemical and Allied Products Manufacturing Facilities

1. Description of Industrial Activity

The requirements under this section apply to stormwater discharges from activities identified and described as Sector C. Sector C industrial activities are described by the following SIC codes:

SECTOR C: CHEMICAL AND ALLIED PRODUCTS

SIC Codes	*SIC Code Description*
2812 – 2819	Basic Industrial Inorganic Chemicals
2821 – 2824	Plastic Materials, Synthetic Resins, Non-vulcanizable Elastomers (Synthetic Rubber), Cellulose Plastics Materials, and Other Manmade Fibers Except Glass
2833 – 2836	Medicinal Chemicals and Botanical Products, Pharmaceutical Preparations, In Vitro and In Vivo Diagnostic Substances, Biological Products (Except Diagnostic Substances)
2841 – 2844	Soaps and Detergents; Specialty Cleaning, Polishing, and Sanitation Preparations, Surface Active Agents, Finishing Agents, Sulfonated Oils, and Assistants, Perfumes, Cosmetics, and Other Toilet Preparations
2851	Paints, Varnishes, Lacquers, Enamels, and Allied Products
2861 – 2869	Industrial Organic Chemicals
2873 – 2879	Agricultural Chemicals (Including Fertilizers, Pesticides, Fertilizers Solely from Leather Scraps and Leather Dust, and Mixing of Fertilizers, Compost, and Potting Soils)
2891 – 2899	Miscellaneous Chemical Products (Including Adhesives and Sealants, Explosives, Printing Ink, and Carbon Black)
2911	Petroleum Refineries
3952	(Limited to List)-Inks and Paints, including: China Painting Enamels, India Ink, Drawing Ink, Platinum Paints for Burnt Wood or Leather Work, Paints for China Painting; Artist's Paints, and Artist's Watercolors

(See Part II, Section A.1.b for a detailed list of SIC codes)

used to empty containment areas, but pumps must not be automatically activated. If a facility is not engineered with such controls, the facility's separate storm sewer system should be equipped to prevent or divert a discharge of spilled materials until the materials can be recovered.

4. Numeric Effluent Limitations

The following numeric effluent limitations, based on guidelines from the Phosphate Subcategory (Subpart A) of the Fertilizer Manufacturing Point Source Category (40 CFR Part 418), apply to stormwater runoff that has come into contact with any raw materials, intermediate product, finished product, by-product or waste from areas of industrial activity described by SIC code 2874 (Phosphatic Fertilizers). These numeric effluent limits do not apply to other discharges covered under this section.

Samples of these discharges must be obtained before the runoff combines with other stormwater runoff. Discharges must not exceed the following numeric effluent limitations, and are subject to monitoring as follows:

Table 7. Numeric Effluent Limitations for Sector C Facilities Discharging from Phosphate Fertilizer Manufacturing Activities

Industrial Activity	Parameter	Limitations Daily Avg[1,2]	Limitations Daily Max
Phosphate fertilizer manufacturing (SIC 2874)	Total Phosphorus (as P)	35 mg/L	105 mg/L
	Fluoride	25 mg/L	75 mg/L

[1] Monitor annually.

[2] The daily average limit only applies when two or more samples are collected during a calendar month.

5. Benchmark Monitoring Requirements

The following subsectors must conduct benchmark monitoring according to the requirements in Part IV of this general permit and conduct evaluations on the effectiveness of the facility SWP3 based on the following benchmark values:

Table 8. Benchmark Monitoring Requirements for Subsections in Sector C

SIC Code	Description of Industrial Activity	Benchmark Parameter	Benchmark Value
2812-2819	Basic Industrial Inorganic Chemicals	Aluminum, total Iron, total Nitrate+Nitrite N TSS	1.2 mg/L 1.3 mg/L 0.68 mg/L 50 mg/L
2821-2824	Plastics, Synthetic Resins, Non-vulcanized Elastomers (Synthetic Rubber), Cellulose Plastics Materials, and Other Manmade Fibers Except Glass.	Zinc, total	0.16 mg/L
2841-2844	Soaps and Detergents; Specialty Cleaning, Polishing, and Sanitation Preparations; Surface Active Agents, Finishing Agents, Sulfonated Oils, and Assistants; Perfumes, Cosmetics, and Other Toilet Preparations	Nitrate + Nitrite N Zinc, total	0.68 mg/L 0.16 mg/L
2873-2879	Agricultural Chemicals (Including Fertilizers, Pesticides, Fertilizers Solely from Leather Scraps and Leather Dust, and Mixing of Fertilizers, Compost, and Potting Soils)	Nitrate + Nitrite N Lead, total Iron, total Zinc, total Phosphorus TSS	0.68 mg/L 0.010 mg/L 1.3 mg/L 0.16 mg/L 1.25 mg/L 50 mg/L

Section D. Sector D of Industrial Activity - Asphalt Paving and Roofing Materials and Lubricant Manufacturing Facilities

1. Description of Industrial Activity

The requirements under this section apply to stormwater discharges from activities identified and described as Sector D. Sector D industrial activities are described by the following SIC codes:

SECTOR D: ASPHALT PAVING AND ROOFING MATERIALS AND LUBRICANTS

SIC Codes	*SIC Code Description*
2951, 2952	Asphalt Paving and Roofing Materials, Portable Asphalt Plants
2992, 2999	Miscellaneous Products of Petroleum and Coal Including Lubricating Oils and Greases

(See Part II, Section A.1.b for a detailed list of SIC codes)

2. Limitations on Permit Coverage

The following facilities are not eligible for coverage under this general permit:

(a) petroleum refining facilities, including those that manufacture asphalt or asphalt products, including facilities described by SIC 2911 (also see Sector C);

(b) oil recycling facilities; and

(c) fats and oils rendering facilities.

3. Pollution Prevention Measures and Controls

Periodic Inspections. Inspection procedures must be developed according to the standard periodic inspection requirements described in Part III, Section B.2. of this general permit and conducted at least once per month in the following areas:

(a) material storage and handling areas;

(b) areas containing liquid storage tanks, hoppers or silos;

(c) vehicle and equipment maintenance, cleaning, and fueling areas; and

(d) material handling, equipment storage, and processing areas.

Results of the inspections must be evaluated and records of inspections maintained. Follow-up procedures must be identified to ensure that appropriate actions are taken in response to the inspector's findings.

4. Numeric Effluent Limitations

The following numeric effluent limitations, based on guidelines from the Asphalt Emulsion Subcategory of the Paving and Roofing Materials (Tars and Asphalt) Manufacturing Point Source Category (40 CFR § 443.13), apply to all stormwater runoff from asphalt paving and roofing emulsion production areas. Samples of these discharges must be obtained before the runoff combines with stormwater runoff or other waste streams that may be covered under this permit. Samples must be analyzed as follows, and must not exceed the following numeric effluent limitations:

Table 9. Numeric Effluent Limitations for Sector D Facilities Discharging from Asphalt Emulsion Manufacturing Production Areas

Industrial Activity	Parameter	Limitations Daily Avg[1,2]	Limitations Daily Max
Discharging from Asphalt Emulsion Manufacturing	TSS	15 mg/L	23 mg/L
	Oil and Grease	10 mg/L	15 mg/L
	pH	6.0-9.0 S.U.	6.0-9.0 S.U.

[1] Monitor annually.
[2] The daily average limit only applies when two or more samples are collected during a calendar month.

5. Benchmark Monitoring Requirements

The following subsections must conduct benchmark monitoring on discharges of stormwater associated with industrial activities according to the requirements in Part IV of this general permit.

Table 10. Benchmark Monitoring Requirements for Subsections in Sector D

SIC Code	Description of Industrial Activity	Benchmark Parameter	Benchmark Value
2951, 2952	Asphalt Paving and Roofing Materials, Portable Asphalt Plants	TSS	50 mg/L

Section E. Sector E of Industrial Activity - Glass, Clay, Cement Concrete, and Gypsum Product Manufacturing Facilities

1. Description of Industrial Activity

The requirements under this section apply to stormwater discharges from activities identified and described as Sector E. Sector E industrial activities are described by the following SIC codes:

SECTOR E: GLASS, CLAY, CEMENT, CONCRETE, AND GYPSUM PRODUCTS

SIC Codes	*SIC Code Description*
3211	Flat Glass
3221, 3229	Glass and Glassware, Pressed or Blown
3231	Glass Products Made of Purchased Glass
3241	Hydraulic Cement
3251 – 3259	Structural Clay Products
3261	Vitreous China Plumbing Fixtures and China Earthenware Fittings and Bathroom Accessories
3262 – 3269	Pottery and Related Products
3271 – 3275	Concrete, Lime, Gypsum and Plaster Products (includes Ready-Mix Concrete Plants)
3281	Cut Stone and Stone Products
3291	Abrasive Products
3292	Asbestos Products
3295	Minerals and Earths, Ground or Otherwise Treated
3296	Mineral Wool
3297	Non-Clay Refractories
3299	Nonmetallic Mineral Products, Not Elsewhere Classified

(See Part II, Section A.1.b for a detailed list of SIC codes)

2. Non-Stormwater Discharges

This section does not authorize the discharge of any additional wastestreams. Facilities are required to seek authorization to discharge or land apply process wastewater resulting from washing of trucks, mixers, transport buckets, concrete forms, and other equipment under a separate TPDES or TCEQ wastewater permit.

3. Pollution Prevention Measures and Controls

The following requirements must be included in the SWP3 according to requirements of Part III, Section A.4. of this general permit:

(a) Specific good housekeeping measures must be developed to minimize and prevent exposure of spilled cement, aggregate (including sand and gravel), kiln dust, fly ash, and other dust to precipitation or runoff.

(b) Wherever possible, fine solids such as cement, fly ash, and kiln dust must be stored in enclosed silos, hoppers, buildings or other structures to prevent exposure to precipitation or runoff.

(c) Sweeping or an equivalent control measure must be performed at least once each week in areas where cement, aggregate, kiln dust, fly ash, or settled dust are being handled or processed.

(d) Periodic Inspections. Inspection procedures must be developed according to the standard periodic inspection requirements described in Part III, Section B.2. of this general permit, but inspections must be conducted at least once per month.

4. Additional SWP3 Requirements

(a) The permittee shall document in the SWP3 the locations of the following, as applicable: bag house or other dust control device; recycle/sedimentation pond, clarifier, or other device used for the treatment of process wastewater; and the areas that drain to the treatment device.

(b) Non-stormwater discharge certification. In addition to the requirements in Part III, Section B.1 related to inspection and certification of non-stormwater discharges, the SWP3 must describe the measures that will ensure that process wastewaters resulting from washing trucks, mixers, transport buckets, forms, or other equipment are either discharged or disposed in accordance with state permitting requirements or are recycled.

5. Numeric Effluent Limitations

(a) The following numeric effluent limitations apply to discharges resulting from the runoff of rainfall which derives from the storage of materials, including raw materials, intermediate products, finished products, and waste materials, which are used in or derived from the manufacture of cement based on guidelines from the Materials Storage Piles Runoff Subcategory (Subpart C) of the Cement Manufacturing Point Source Category (40 CFR Part 411).

These effluent limitations do not apply to Sector E facilities that are not subject to federal guidelines at 40 CFR Part 411, related to Cement Manufacturing.

Samples of stormwater discharges from cement manufacturing facilities subject to these effluent limits must be obtained before the runoff combines with other discharges that are covered under this permit. The samples must be analyzed at the frequency described below and must not exceed the following numeric effluent limitations:

Table 11. Effluent Limitations for Sector E Storage Piles at Facilities Manufacturing Cement

Industrial Activity	Parameter	Limitations Daily Max[1]
Discharges from Material Storage Piles at Cement Manufacturing Facilities (SIC 3241)	TSS	50 mg/L
	pH	6.0-9.0 S.U.

[1] Monitor annually.

(b) Waiver from Numeric Effluent Limitations. Any untreated overflow from facilities designed, constructed, and operated to treat the volume of runoff from materials storage piles that is associated with a 10-year, 24-hour rainfall event will not be subject

to the pH and TSS limitations in this section.Rainfall records are required to document events that equal or exceed a 10-year 24-hour event. The operator shall maintain, as a part of the SWP3, the following information in order to receive this waiver:

(1) engineering design records that demonstrate structural controls are adequate to intercept, contain, and treat the volume of runoff from a 10-year, 24-hour storm event; and

(2) records of rainfall from an on-site rain gauge, a representative weather station, or subject to TCEQ's approval, an alternative means of compliance.

6. Benchmark Monitoring Requirements

The following subsections must conduct benchmark monitoring according to the requirements in Part IV of this general permit and conduct evaluations on the effectiveness of the facility SWP3 based on the following benchmark values:

Table 12. Benchmark Monitoring Requirements for Subsections in Sector E

SIC Code	Description of Industrial Activity	Benchmark Parameter	Benchmark Value
3251-3259	Structural Clay Products	Aluminum, total TSS pH	1.2 mg/L 50 mg/L 6.0-9.0 S. U.
3262-3269	Pottery and Related Products	Aluminum, total TSS pH	1.2 mg/L 100 mg/L 6.0-9.0 S.U.
3271-3275	Concrete, Lime, Gypsum and Plaster Products	TSS Iron, total pH	50 mg/L 1.3 mg/L 6.0-9.0 S.U.

Section F. Sector F of Industrial Activity - Primary Metals Facilities

1. Description of Industrial Activity

The requirements under this section apply to stormwater discharges from activities identified and described as Sector F. Sector F industrial activities are described by the following SIC codes:

SECTOR F: PRIMARY METALS

SIC Codes	*SIC Code Description*
3312 – 3317	Steel Works, Blast Furnaces, and Rolling and Finishing Mills
3321 – 3325	Iron and Steel Foundries
3331 – 3339	Primary Smelting and Refining of Nonferrous Metals
3341	Secondary Smelting and Refining of Nonferrous Metals
3351 – 3357	Rolling, Drawing, and Extruding of Nonferrous Metals
3363 – 3369	Nonferrous Foundries (Castings)
3398, 3399	Miscellaneous Primary Metal Products

(See Part II, Section A.1.b for a detailed list of SIC codes)

2. Description of Potential Pollutants and Sources

The inventory of exposed materials must include areas where material handling and air emissions may result in deposits of particulate matter.

3. Pollution Prevention Measures and Controls

(a) Good Housekeeping Measures. This section of the SWP3 must include a program for cleaning and maintaining all impervious areas of the facility where dust, debris, or other particulate matter may accumulate, especially areas where material loading/unloading, storage, handling and processing occur. Areas where materials are stored, or where there is vehicular traffic, should be paved if vegetative and other stabilization methods are not practical. For areas where paving and vegetative measures are not practical, structural controls must be developed to trap and limit transport of sediment offsite. Sediment traps, filter fabric fences, and other equivalent measures may be considered.

(b) Drainage Area Site Map. The map must identify any of the following activities that may be exposed to stormwater: storage or disposal of wastes such as spent solvents and baths, sand, slag and dross; liquid storage tanks and drums; processing areas including pollution control equipment (e.g., baghouses); and storage areas of raw material such as coal, coke, scrap, sand, fluxes, refractories, or metal in any form. In addition, indicate where an accumulation of significant amounts of particulate matter could occur from such sources as furnace or oven emissions, or losses from coal and coke handling operations.

(c) Periodic Inspections. The periodic inspections must specifically include areas of the facility that contain air pollution control equipment, such as bag houses, electrostatic precipitators, cyclones, and scrubbers for signs of degradation or improper operation. Process material handling equipment must be inspected for leaks and problems that may result in material loss and spills. Material storage areas, such as piles or bins that contain coal, scrap, and slag, must be inspected for material loss due to wind and precipitation or runoff.

4. Benchmark Monitoring Requirements

The following subsections must conduct benchmark monitoring according to the requirements in Part IV of this general permit and conduct evaluations on the effectiveness of the facility SWP3 based on the following benchmark values in Table 13:

Table 13. Benchmark Monitoring Requirements for Subsections in Sector F

SIC Code	Description of Industrial Activity	Benchmark Parameter	Benchmark Value
3312-3317	Steel Works, Blast Furnaces, and Rolling and Finishing Mills	Aluminum, total Zinc, total TSS	1.2 mg/L 0.16 mg/L 100 mg/L
3321-3325	Iron and Steel Foundries	Aluminum, total TSS Copper, total Iron, total Zinc, total	1.2 mg/L 50 mg/L 0.030 mg/L 1.3 mg/L 0.16 mg/L
3351-3357	Rolling, Drawing, and Extruding of Nonferrous Metals	Copper, total Zinc, total	0.030 mg/L 0.16 mg/L
3363-3369	Nonferrous Foundries (Castings)	Copper, total Zinc, total	0.030 mg/L 0.16 mg/L

Section G. Sector G of Industrial Activity - Metal Mining (Ore Mining and Dressing)

1. Description of Industrial Activity

The requirements under this section apply to stormwater discharges from activities identified and described as Sector G. Sector G industrial activities are described by the following SIC codes:

SECTOR G: METAL MINING (ORE MINING AND DRESSING)

SIC Codes	*SIC Code Description*
1011	Iron Ores
1021	Copper Ores
1031	Lead and Zinc Ores
1041, 1044	Gold and Silver Ores
1061	Ferro alloy Ores, Except Vanadium
1081	Metal Mining Services
1094, 1099	Miscellaneous Metal Ores

(See Part II, Section A.1.b for a detailed list of SIC codes)

2. Covered Stormwater Discharges

The requirements in this section apply to stormwater from metal mining facilities, including mines abandoned on federal lands, as identified by the SIC codes specified the table above. Coverage is required for metal mining facilities that discharge stormwater contaminated by contact with, or that has come into contact with, any overburden, raw material, intermediate product, finished product, byproduct, or waste product.

(a) The stormwater discharges covered under this permit include all stormwater discharges from inactive facilities and stormwater discharges from facilities undergoing reclamation.

(b) Stormwater discharges from the following areas of active and temporarily inactive facilities areas are authorized under this general permit:

(1) waste rock and overburden piles, if composed entirely of stormwater and not combined with mine drainage;

(2) topsoil piles;

(3) haul and access roads:

a. all off site roads;

b. onsite haul and access roads constructed of waste rock, overburden, or spent ore if composed entirely of stormwater and not combining with mine drainage; and

c. onsite haul and access roads not constructed of waste rock, overburden, or spent ore, unless mine drainage is used for dust control.

(4) runoff from tailings dams or dikes that are:

a. not constructed of waste rock or tailings, provided no process fluids are present; or

b. constructed of waste rock or tailings and no process fluids are present, if composed entirely of stormwater and not combining with mine drainage.

(5) concentration building if no contact with material piles;

(6) mill site if no contact with material piles;

(7) office or administrative building and housing if mixed with stormwater from industrial area;

(8) chemical storage;

(9) docking facility if no excessive contact with waste product that would otherwise constitute mine drainage;

(10) explosives storage;

(11) fuel storage;

(12) vehicle and equipment maintenance;

(13) parking areas, if necessary;

(14) power plant, except that steam electric power plants are regulated as collocated activities in Part V, Section O;

(15) truck wash areas (if no excessive contact with waste product that would otherwise constitute mine drainage);

(16) un-reclaimed, disturbed areas outside of the active mining area(s);

(17) reclaimed areas released from reclamation requirements prior to December 17, 1990; and

(18) partially or inadequately reclaimed areas or areas not meeting reclamation requirements.

3. Definitions

The following definitions apply only to Section G of this general permit:

Active metal mining facility. A place where work or other activity related to the extraction, removal, or recovery of metal ore is being conducted. For surface mines, this definition does not include any land where grading has returned the earth to a desired contour and reclamation has begun. This definition is derived from the definition of "active mining area" found at 40 CFR §440.132(a).

Active phase. Activities including the extraction, removal or recovery of metal ore. For surface mines, this definition does not include any land where grading has returned the earth to a desired contour and reclamation has begun. This definition is derived from the definition of "active mining area" found at 40 CFR §440.132(a). The active phase is considered part of "mining operations."

Exploration phase. Entails exploration and land disturbance activities to determine the viability of a site. The exploration phase is not considered part of "mining operations."

Final Stabilization. All soil disturbing activities at the site have been completed and a uniform (e.g. evenly distributed, without large bare areas) perennial vegetative cover with a density of 70% of the native background vegetative cover for the area has been established on all unpaved areas and areas not covered by permanent structures, or equivalent permanent stabilization measures (such as the use of riprap, gabions, or geotextiles) have been employed. Alternatively, for arid, semi-arid, and drought stricken areas only, final stabilization means that all soil disturbing activities at the site have been completed and both of the following criteria have been met: temporary erosion control measures are selected, designed, and installed along with an appropriate seed base to provide erosion control for at least three years without active maintenance by the operator; and the temporary erosion control measures are selected, designed, and installed to achieve 70% vegetative coverage within three years.

Inactive metal mining facility. A site or portion of a site with an identifiable operator, where metal mining or milling occurred in the past but is not an active facility as defined above, where the inactive portion is not covered by an active mining permit, and where the reclamation phase has not been completed.

Mining operations. Consists of the active mining, inactive mining, temporarily inactive mining, and reclamation phases, but excludes the exploration and construction phases.

Reclamation phase. Activities undertaken to return the land to an appropriate post-mining land use prior to termination of permit coverage.

Temporarily inactive metal mining facility. A site or portion of a site where metal mining or milling occurred in the past and is not currently being actively undertaken, and where the facility is covered by an active mining permit.

4. Limitations on Permit Coverage

(a) Prohibition on Certain Stormwater Discharges. Discharges from active metal mining facilities that are subject to effluent limitation guidelines for the Ore Mining and Dressing Point Source Category (40 CFR Part 440) are not authorized under this general permit.

Stormwater from active metal mining facilities is only subject to 40 CFR Part 440 (and therefore not eligible for coverage under this permit) if it commingles with other discharges that are subject to 40 CFR Part 440. Discharges from overburden/waste

rock and overburden/waste rock-related areas are not subject to 40 CFR Part 440 unless they:

(1) drain naturally (or are intentionally diverted) to a point source; and

(2) combine with "mine drainage" that is otherwise regulated under the 40 CFR Part 440.

Such sources may obtain coverage under this general permit if the discharge is composed entirely of stormwater, does not commingle with other sources of mine drainage that are not subject to 40 CFR Part 440, and meets the other eligibility criteria contained in the general permit.

(b) Prohibition on Non-Stormwater Discharges. The following discharges are not authorized by this general permit: process generated wastewater, including but not limited to truck wash water, adit drainage (e.g., drainage from mine passageways or tunnels), contaminated springs, and seeps discharging from waste rock dumps that do not directly result from precipitation events from active, temporarily inactive, and inactive mines.

(c) Authorization Not Required. Stormwater from sites where mining claims are being maintained prior to disturbances associated with the extraction, beneficiation, or processing of mined materials and sites where minimal activities are undertaken for the sole purpose of maintaining a mining claim are not considered either active or inactive mining facilities and do not require authorization.

5. Additional SWP3 Requirements

In addition to the requirements of Part III, Section A of this general permit, the following is required:

(a) Inventory of Exposed Materials. This section of the SWP3 must contain a summary of any existing ore, waste rock, and overburden characterization data. The summary must include results of all testing for acid rock generation potential. The inventory and the SWP3 must be updated if the characterization is updated due to a change in the type of ore mined. For inactive metal mining facilities, the inventory must identify any significant materials that remain at the facility and include any available characterization data of the material.

(b) Narrative Description. For inactive metal mining facilities, this section of the SWP3 must include a description of the mining and associated activities that took place at the site. The description must define the dates of operation, total acreage within the mine, total acreage within the processing area, an estimate of the acres of remaining disturbed area, and any current activities at the site (e.g. reclamation).

(c) Site Map. A topographic site map (or maps) must be developed to indicate mining or milling site boundaries; access and haul roads; equipment storage, fueling, and maintenance areas; an outline of the overburden, materials, soils, tailings or wastes storage areas; points of discharge from the property of mine drainage or any other process wastewater, a depiction of the discharge route, and a listing of the type of wastewater; location of existing and proposed tailings piles and ponds; heap leach pads; locations of springs, streams, wetlands, and other surface waters; and boundaries of tributary areas that are subject to effluent limitations and guidelines for the Ore Mining and Dressing Point Source Category (40 CFR Part 440).

(d) Management of Runoff with Structural Controls. The elimination of a contaminant source through capping of the source may be the most effective control measure.

Where capping is used, the source being capped must be identified and the materials and procedures used to cap the source must be described within the SWP3.

(e) Inactive and Unstaffed Sites. Subject to the following conditions, if the facility is inactive and unstaffed, the permittee is not required to conduct quarterly visual assessments and routine facility inspections. Waivers are not given for exception from conducting the comprehensive site inspection. Permittees are encouraged to inspect their site more frequently where there is reason to believe that severe weather or natural disasters may have damaged control measures or increased discharges.

(1) If circumstances change and the facility becomes active or staffed, this exception no longer applies, and the permittee must immediately begin complying with the quarterly visual assessment requirements; and

(2) The TCEQ retains the authority to revoke this exemption or the monitoring waiver where it is determined that the discharge causes, has a reasonable potential to cause, or contributes to an instream excursion above an applicable water quality standard, including designated uses.

6. Benchmark Monitoring Requirements

(a) Active copper ore mining or dressing facilities must conduct benchmark monitoring according to the standard benchmark monitoring requirements in Part IV of this general permit and conduct evaluations on the effectiveness of the facility SWP3 based on the following benchmark values:

Table 14. Benchmark Monitoring Requirements for Sector G

SIC Code	Description of Industrial Activity	Benchmark Parameter	Benchmark Value
1021	Copper Ores	COD	60 mg/L
		TSS	100 mg/L
		Nitrate + Nitrite N	0.68 mg/L

(b) All stormwater discharges from waste rock and overburden piles, resulting from active ore mining or dressing operations included in Sector G, must collect one benchmark monitoring sample according to the requirements in Part IV of this general permit for the following pollutants in Table 15. For parameters measured above the benchmark value, monitoring must be continued throughout the term of the permit.

Table 15. Benchmark Monitoring Requirements for Sector G

SIC Codes and Description of Industrial Activity	Parameter	Benchmark Monitoring Cutoff Concentration
1011- Iron Ores;	TSS	100 mg/L
1021- Copper Ores;	Turbidity	5 NTUs above background
1031- Lead and Zinc Ores;	pH	6.0-9.0 S.U.
1041, 1044 - Gold and Silver Ores;	Total Antimony	0.636 mg/L
1061- Ferroalloy Ores, Except Vanadium;	Total Arsenic	0.17 mg/ L
1081- Metal Mining Services	Total Beryllium	0.13 mg/L
1094, 1099 - Miscellaneous Metal Ores	Total Cadmium	0.0010 mg/ L
	Total Copper	0.030 mg/ L
	Total Iron	1.3 mg/L
	Total Lead	0.010 mg/ L
	Total Manganese	1.0 mg/L
	Total Mercury	0.0019 mg/L
	Total Nickel	1.417 mg/L
	Total Selenium	0.05 mg/L
	Total Silver	0.0318 mg/L
	Total Zinc	0.16 mg/L

(c) In addition to other required monitoring for discharges from waste rock and overburden piles, the permittee shall also conduct monitoring for additional pollutants as follows based on the type of ore mined at the site. Where a pollutant in the table below is the same as a pollutant required to be monitored in the table above (i.e., for all of the metals) the permittee shall use the corresponding benchmark value from the table above; otherwise, no benchmark levels apply.

The monitoring results conducted for the benchmark monitoring requirements for discharges from Waste Rock and Overburden Piles at active Metal Mining Facilities (section above) may be used to satisfy the monitoring requirement for the pollutant for this section. There are no applicable benchmarks for Radium and uranium in the table above. The frequency and schedule for monitoring the additional parameters, in the table below, is the same as that specified in Part IV of this permit.

Additional Monitoring Requirements for Discharges from Waste Rock and Overburden Piles.

Table 16. Requirements for Waste Rocks and Overburden Piles

Type of Ore Mined	Parameter
Tungsten Ore	pH, TSS, Total Arsenic, Total Cadmium, Total Copper, Total Lead, Total Zinc
Nickel Ore	pH, TSS, Total Arsenic, Total Cadmium, Total Copper, Total Lead, Total Zinc
Aluminum Ore	pH, TSS, Total Iron
Mercury Ore	pH, TSS, Total Nickel
Iron Ore	pH, TSS, Dissolved Iron

Type of Ore Mined	Parameter
Platinum Ore	Total Cadmium, Total Copper, Total Mercury, Total Lead, Total Zinc
Titanium Ore	pH, TSS, Total Iron, Total Nickel, Total Zinc
Vanadium Ore	pH, TSS, Total Arsenic, Total Cadmium, Total Copper, Total Lead, Total Zinc
Molybdenum	pH, TSS, Total Arsenic, Total Cadmium, Total Copper, Total Lead, Total Mercury, Total Zinc
Uranium, Radium, and Vanadium Ore	pH, TSS, Chemical Oxygen Demand, Total Arsenic, Total Radium, Dissolved Radium, Total Uranium, Total Zinc

7. Termination of Permit Coverage

(a) Termination of Permit Coverage for Sites Reclaimed After December 17, 1990.

A site or a portion of a site that has been released from applicable state or federal reclamation requirements after December 17, 1990, is no longer required to maintain coverage under this permit. If the site or portion of a site reclaimed after December 17, 1990, was not subject to reclamation requirements, the site or portion of the site is no longer required to maintain coverage under this permit if the site or portion of the site has been reclaimed as defined above in section 3.

(b) Termination of Permit Coverage for Sites Reclaimed Before December 17, 1990.

A site or portion of a site that was released from applicable state or federal reclamation requirements before December 17, 1990, or that was otherwise reclaimed before December 17, 1990, is no longer required to maintain coverage under this permit if the site or portion of the site has been reclaimed. A site or portion of a site is considered to have been reclaimed if:

(1) stormwater runoff that comes into contact with raw materials, intermediate byproducts, finished products, and waste products does not have the potential to cause or contribute to violations of state water quality standards;

(2) soil disturbing activities related to mining at the sites or portion of the site have been completed;

(3) the site or portion of the site has been stabilized to minimize soil erosion; and

(4) as appropriate depending on location, size, and the potential to contribute pollutants to stormwater discharges, the site or portion of the site has been re-vegetated, will be amenable to natural re-vegetation, or will be left in a condition consistent with the post-mining land use.

Section H. Sector H of Industrial Activity - Coal Mines and Coal Mining Related Facilities

1. Description of Industrial Activity

The requirements under this section apply to stormwater discharges from activities identified and described as Sector H. Sector H industrial activities are described by the following SIC codes:

SECTOR H: COAL MINES AND COAL MINING RELATED FACILITIES

SIC Codes	*SIC Code Description*
1221	Bituminous Coal and Lignite Surface Mining
1222	Bituminous Coal Underground Mining
1231	Anthracite Mining
1241	Coal Mining Services

(See Part II, Section A.1.b for a detailed list of SIC codes)

2. Covered Stormwater Discharges

The requirements of Section H apply to stormwater discharges from the following areas of facilities identified by the SIC Codes specified in the table above, except that discharges regulated under 40 CFR Part 434 are not covered under this permit:

(a) haul roads;

(b) access roads;

(c) railroad spurs, sidings, and internal lines used to transport coal;

(d) areas around conveyor belts, chutes, and trams that convey coal;

(e) equipment storage and maintenance areas;

(f) coal handling areas, including buildings and structures;

(g) waste disposal areas;

(h) inactive coal mines where the performance bond has been released; and

(i) related areas where coal mining/processing activities take place.

3. Definitions

The following definitions apply only to Section H of this general permit:

Active coal mining facility. A place where work or other activity related to the extraction, removal, or recovery of coal is being conducted. For surface mines, this definition does not include any land where grading has returned the earth to a desired contour and reclamation has begun. This definition is derived from the definition of "active mining area" found at 40 CFR §434.11(b).

Active phase. Activities including the extraction, removal or recovery of coal. For surface mines, this definition does not include any land where grading has returned the earth to a desired contour and reclamation has begun. This definition is derived from the definition of "active mining area" found at 40 CFR §434.11(b). The active phase is considered part of "mining operations."

Bond Release. The time at which the appropriate regulatory authority returns a reclamation or performance bond based upon its determination that reclamation work (including, in the case of underground mines, mine sealing and abandonment procedures) has been satisfactorily completed. Phase Two completion is that point in the reclamation process where the property has been re-contoured and replanted but prior to final bond release.

Exploration phase. Entails exploration and land disturbance activities to determine the viability of a site. The exploration phase is not considered part of "mining operations."

Final Stabilization. All soil disturbing activities at the site have been completed and a uniform (e.g. evenly distributed, without large bare areas) perennial vegetative cover with a density of 70 percent (%) of the native background vegetative cover for the area has been established on all unpaved areas and areas not covered by permanent structures, or equivalent permanent stabilization measures (such as the use of riprap, gabions, or geotextiles) have been employed. Alternatively, for arid, semi-arid, and drought stricken areas only, final stabilization means that all soil disturbing activities at the site have been completed and both of the following criteria have been met: Temporary erosion control measures are selected, designed, and installed along with an appropriate seed base to provide erosion control for at least three years without active maintenance by the operator; and the temporary erosion control measures are selected, designed, and installed to achieve 70 % vegetative coverage within three years.

Inactive coal mining facility. A site or portion of a site, with an identifiable operator, where coal mining or milling occurred in the past but is not an active facility as defined above, where the inactive portion is not covered by an active mining permit and where the reclamation has not been completed.

Mining operation. Consists of the active and temporarily inactive phases, and the reclamation phase, but excludes the exploration and construction phases.

Reclamation phase. Activities undertaken to return the land to an appropriate post-mining land use prior to termination of permit coverage.

Temporarily inactive coal mining facility. A site or portion of a site where coal mining or milling occurred in the past but is not an active facility as defined above, where the inactive portion is not covered by an active mining permit, and where the reclamation phase has not been completed.

4. Limitations on Permit Coverage

The following discharges are not eligible for coverage under this general permit:

(a) discharges from coal mining activities subject to effluent limitation guidelines for the Coal Mining Point Source Category (40 CFR Part 434);

(b) seeps and underground drainage from inactive coal mines and refuse disposal areas that may constitute dry-weather flows and do not occur as a direct result of precipitation or runoff; and

(c) discharges from floor drains in maintenance buildings and similar drains in mining and preparation plant areas.

Reclaimed areas of a mine, where the performance bond has been released, are no longer considered industrial activity. Stormwater discharges from those areas are not required to be authorized under the TPDES program.

5. Additional SWP3 Requirements

The following requirements apply to all Sector H facilities:

(a) Site Map. Document where any of the following that are covered under this general permit and that may be exposed to stormwater: haul and access roads; railroad spurs, sliding, and internal hauling lines; conveyor belts, chutes, and aerial tramways; equipment storage and maintenance yards; coal handling buildings and structures; inactive mines and related areas; acidic spoil, refuse, or un-reclaimed disturbed areas; and liquid storage tanks containing pollutants such as caustics, hydraulic fluids, and lubricants.

(b) Potential Pollutant Sources.

(1) The SWP3 must document the following sources and activities that have potential pollutants associated with them:

a. truck traffic on haul roads and resulting generation of sediment subject to runoff and dust generation;

b. fuel or other liquid storage; pressure lines containing slurry, hydraulic fluid, or other potential harmful liquids; and loading or temporary storage of acidic refuse or spoil.

(2) In the summary of potential pollutant sources, the SWP3 must document areas at the facility where industrial materials or activities are exposed to stormwater and from which allowable non-stormwater discharges are released.

For each area identified, the description must include:

a. a list of the industrial activities exposed to stormwater;

b. a list of the pollutant(s) or pollutant constituents (e.g., crankcase oil, zinc, sulfuric acid, and cleaning solvents) associated with each identified activity, that includes all significant materials that have been handled, treated, stored, or disposed, and that have been exposed to stormwater in the 3 years prior to the date that the SWP3 was prepared or amended;

c. a list of the areas at the site where potential spills and leaks could occur that could contribute pollutants to stormwater, and the corresponding outfall(s) that would be affected by such spills and leaks. All significant spills and leaks of oil or toxic or hazardous pollutants that actually occurred at exposed areas, or that drained to a stormwater conveyance, in the 3 years prior to the date that the SWP3 was prepared or amended, must be documented; and

d. The location of any storage piles containing salt used for deicing or other commercial or industrial purposes.

(c) Erosion Control Measures. Erosion, siltation, dust, and other pollutant control regulations administered by the Railroad Commission of Texas or TCEQ must either be included as components of this section of the SWP3, or incorporated by reference. The permittee shall minimize disturbed areas and preserve vegetated areas to the maximum extent practicable. The SWP3 must include the following at a minimum:

(1) Stabilization Measures. Temporary and permanent stabilization measures must be employed to minimize erosion. These may include: maintaining existing native vegetative cover; seeding for temporary or permanent cover; temporary mulching,

matting, or netting; sodding; soil binding; using non-acid material for road surfacing; planting trees; and preserving existing trees.

(2) Structural Measures. Such as silt fences; earthen dikes; straw bales; graded terraces; pipe slope drains; porous rock check drains; sedimentation ponds; vegetated drainage swales; capping of contaminant sources; and physical or chemical treatment of stormwater.

(d) Preventive Maintenance. Perform inspections or other equivalent measures of storage tanks and pressure lines of fuels, lubricants, hydraulic fluid, and slurry to prevent leaks due to deterioration or faulty connections. Operators must regularly inspect, test, maintain, and repair all industrial equipment and systems to avoid situations that may result in leaks, spills, and other releases of pollutants in stormwater discharged to receiving waters.

(e) Additional Inspection Requirements

(1) Inspections of Active Mining-Related Areas. Except for areas of the site subject to clearing, grading, or excavation activities conducted as part of the exploration and construction phase, the permittee shall perform quarterly inspections of active mining areas covered by this permit.

(2) Comprehensive site inspections must be conducted by qualified personnel with at least one member of the stormwater pollution prevention team participating in the comprehensive site inspections. Comprehensive site inspections must cover all areas of the facility affected by the requirements in this permit, including the areas identified in the SWP3 as potential pollutant sources where industrial materials or activities are exposed to stormwater and areas where spills and leaks have occurred in the past 3 years. The inspections must also include a review of monitoring data collected in accordance with this permit.

6. Benchmark Monitoring Requirements

The following subsections must conduct benchmark monitoring according to the requirements in Part IV of this general permit and conduct evaluations on the effectiveness of the facility SWP3 based on the following benchmark values:

Table 17. Benchmark Monitoring Requirements for Subsections in Sector H

SIC Code	Description of Industrial Activity	Benchmark Parameter	Benchmark Value
1221-1241	Coal Mines and Coal Mining-Related Facilities	TSS Aluminum, total Iron, total	50 mg/L 1.2 mg/L 1.3 mg/L

7. Inactive and Unstaffed Sites

If the permittee operates an inactive and unstaffed Sector H facility (including temporarily inactive and unstaffed sites), the permittee may waive the routine inspection, quarterly visual assessment and benchmark monitoring requirements. The permittee is conditionally exempt from the requirement to certify that there are no industrial materials or activities exposed to stormwater, provided that all of the following conditions are met:

(a) if circumstances change and the facility becomes active or staffed, this exemption no longer applies and the operator must immediately begin complying with the applicable

benchmark monitoring requirements as if they were in their first year of permit coverage, as well as the quarterly visual assessment requirements; and

(b) the discharge does not cause, have a reasonable potential to cause, or contribute to a violation of applicable water quality standards.

Subject to the two conditions above, if a Sector H facility is inactive and unstaffed, the operator is waived from the requirement to conduct quarterly visual assessments and routine facility inspections. Inactive industrial facilities must continue to conduct comprehensive site compliance inspections on at least an annual basis as described in Part III, Section B.5 of this permit. Inactive Sector H facilities may not obtain a waiver from comprehensive site compliance inspections. The operator is still responsible for notifying TCEQ about the status of the facility according to Part II.C.5 and 6.

8. Termination of Permit Coverage

(a) Termination of Permit Coverage for Sites Reclaimed After December 17, 1990. A site or a portion of a site that has been released from applicable state or federal reclamation requirements after December 17, 1990, is no longer required to maintain coverage under this permit. If the site or portion of a site reclaimed after December 17, 1990, was not subject to reclamation requirements, the site or portion of the site is no longer required to maintain coverage under this permit if the site or portion of the site has been reclaimed as defined in the following:

(b) Termination of Permit Coverage for Sites Reclaimed Before December 17, 1990. A site or portion of a site that was released from applicable state or federal reclamation requirements before December 17, 1990, or that was otherwise reclaimed before December 17, 1990, is no longer required to maintain coverage under this permit if the site or portion of the site has been reclaimed. A site or portion of a site is considered to have been reclaimed if:

(1) stormwater runoff that comes into contact with raw materials, intermediate byproducts, finished products, and waste products does not have the potential to cause or contribute to violations of state water quality standards;

(2) soil disturbing activities related to mining at the sites or portion of the site have been completed;

(3) the site or portion of the site has been stabilized to minimize soil erosion; and

(4) as appropriate depending on location, size, and the potential to contribute pollutants to stormwater discharges, the site or portion of the site has been re-vegetated, will be amenable to natural re-vegetation, or will be left in a condition consistent with the post-mining land use.

Section I. Sector I of Industrial Activity - Oil and Gas Extraction Facilities

1. Description of Industrial Activity

Sector I facilities include facilities with activities directly related to oil and gas exploration, production, processing, or treatment operations; oil and gas transmission facilities prior to refining; and to oil and gas field service operations.

SECTOR I: OIL AND GAS EXTRACTION FACILITIES

SIC Codes *SIC Code Description*

Industrial Activities Regulated under the EPA's NPDES Program:

1311 Crude Petroleum and Natural Gas

1321 Natural Gas Liquids

1381, 1382 Drilling Oil and Gas Wells; and Oil and Gas Field Exploration Services

1389 Oil and Gas Field Services, Not Elsewhere Classified, that occur in the field (excluding oil field service company operations noted below.)

Industrial Activities Regulated under this General Permit:

1389 Oil and Gas Field Services, Not Elsewhere Classified, at a company headquarters, local offices, or at oil field service company "home base" that conduct only administrative and support activities for oil and gas field services that occur in the field.

(See Part II, Section A.1.b for a detailed list of SIC codes)

2. Covered Stormwater Discharges

(a) Agency Jurisdiction. The requirements in Subpart I apply to stormwater discharges associated with industrial activity from oil and gas extraction facilities that are under the jurisdiction of the TCEQ, as identified by the SIC Codes specified in the table above. Specifically, this general permit only provides coverage for facilities described by SIC Code 1389 that occur at the service company headquarters, permanent offices, or similar bases of operations where this industrial activity may occur. This may include non-contiguous facilities, but excludes all activities that occur at a well site or that are regulated by the U.S. EPA or the Texas Railroad Commission (RRC).

All of the other facilities with SIC codes listed above are not under the jurisdiction of the TCEQ and must obtain stormwater permit coverage from the U.S. EPA or the Texas RRC as applicable.

(b) Contaminated Stormwater. Facilities that are regulated under this general permit are only required to obtain permit coverage for contaminated stormwater. For the purposes of this section, contaminated stormwater is defined as stormwater runoff from a facility described by SIC Code 1389 that functions as a company headquarters, permanent office, or similar base of operations, and that has had one or more releases of a reportable quantity in stormwater for which notification has been required any time since November 16, 1987. For reportable quantity rules, see 30 TAC 327.

3. Limitations on Permit Coverage

(a) Non-contaminated Stormwater. Facilities regulated under this general permit are not required to obtain authorization if the facility has not had a release of a reportable

quantity in stormwater for which notification has been required any time since November 16, 1987.

(b) Stormwater Regulated by U.S. EPA.

(1) Coverage under this general permit is limited to oil and gas field service companies described by SIC code 1389 that occur at the company headquarters, permanent office, or similar base of operations. The requirements of this general permit are specific to those operations. Any facility described by an SIC code listed in the table above that is not covered by the TCEQ must obtain coverage as required from the U.S. EPA and the Texas RRC.

(2) General permit coverage for other stormwater discharges associated with industrial activity described by Sector I are not eligible for coverage under this general permit, and coverage must be obtained, as required, from the U.S. EPA and/or the Texas RRC.

(c) Wash Water. Discharges of vehicle and equipment wash water, including tank cleaning operations, are not authorized by this permit and such wash water discharges must be authorized under a separate TPDES permit, discharged to a sanitary sewer in accordance with applicable requirements, or disposed by an alternate authorized means.

4. Additional SWP3 Requirements

(a) Drainage Area Site Map. The SWP3 must include the following information, in addition to what is required in Part III of this permit: location(s) of any reportable quantity (RQ) releases; locations used for the treatment, storage, or disposal of wastes; processing areas and storage areas; and chemical mixing areas.

(b) Potential Pollutant Sources. The SWP3 must document the following sources and activities, in addition to those already required in Part III of this general permit:

(1) chemical, cement, mud, or gel mixing activities,

(2) equipment cleaning and rehabilitation activities,

(3) information about the RQ release(s) that triggered the permit application requirements:

a. nature of the release (e.g., spill of oil from a drum storage area),

b. amount of oil or hazardous substance released,

c. amount of substance recovered,

d. date of the release,

e. cause of the release,

f. area(s) affected by the release,

g. procedure to clean up release,

h. actions or procedures implemented to prevent or improve response to a release, and

i. remaining potential contamination of stormwater from release.

(4) A "Summary of Potential Pollutant Sources." The permittee shall document areas at their facility where industrial materials or activities are exposed to stormwater and from which allowable non-stormwater discharges are released.

Section J. Sector J of Industrial Activity - Mineral Mining and Processing Facilities

1. Description of Industrial Activity

The requirements under this section apply to stormwater discharges from activities identified and described as Sector J. Sector J industrial activities are described by the following SIC codes:

SECTOR J: MINERAL MINING AND PROCESSING FACILITIES

SIC Codes	*SIC Code Description*
1411	Dimension Stone
1422 – 1429	Crushed and Broken Stone, Including Rip Rap
1442, 1446	Sand and Gravel Mining
1455, 1459	Clay, Ceramic, and Refractory Materials
1474 – 1479	Chemical and Fertilizer Mineral Mining
1481	Nonmetallic Minerals, Except Fuels
1499	Miscellaneous Nonmetallic Minerals, Except Fuels

(See Part II, Section A.1.b for a detailed list of SIC codes)

2. Covered Discharges

The requirements in Section J apply to stormwater discharges associated with industrial activity from Active and Inactive Non-Metallic Mineral Mining and Dressing facilities as identified by the SIC Codes specified under Sector J above. These include stormwater discharges and mine dewatering discharges that consist solely of stormwater and non-contaminated groundwater seepage from inactive, active, and temporarily inactive facilities; and from sites undergoing reclamation.

3. Definitions

The following definitions apply only to Section J of this general permit:

Active Mineral Mining Facility. A place where work or other activity related to the extraction, removal, or recovery of minerals is being conducted. For surface mines, this definition does not include any land where grading has returned the earth to a desired contour and reclamation has begun. This definition is derived from the definition of "active mining area" found at 40 CFR §440.132(a), related to Ore Mining and Dressing Point Source Category.

Active phase. Activities including the extraction, removal, or recovery of minerals. For surface mines, this definition does not include any land where grading has returned the earth to a desired contour and reclamation has begun. This definition is derived from the definition of "active mining area" found at 40 CFR §440.132(a), related to Ore Mining and Dressing Point Source Category. The active phase is considered part of mining operations.

Aggregates. Any commonly recognized construction material originating from a quarry or pit by the disturbance of the surface, including dirt, soil, rock asphalt, granite, gravel, gypsum, marble, sand, stone, caliche, limestone, dolomite, rock, riprap, or other non-

mineral substance. The term does not include clay or shale mined for use in manufacturing structural clay products.

Exploration phase. Entails exploration and land disturbance activities to determine the financial viability of a site. The exploration phase is not considered part of mining operations.

Inactive Mineral Mining Facility. A site or portion of a site, with an identifiable operator, where mineral mining or milling occurred in the past but is not an active facility as defined above, where the inactive portion is not covered by an active mining permit, and where the reclamation phase has not been completed.

Mine Dewatering. (From 40 CFR §436.21) any water that is impounded or that collects in the mine and is pumped, drained or otherwise removed from the mine through the efforts of the mine operator. However, if a mine is also used for treatment of process generated wastewater, discharges of commingled water from the facilities must be deemed discharges of process generated wastewater.

Mining operations. Includes the active mining, inactive mining, the temporarily inactive mining, and the reclamation phases, but excludes the exploration and construction phases.

Quarry. The site from which aggregates for commercial sale are being or have been removed or extracted from the earth to form a pit, including the entire excavation, stripped areas, haulage ramps, and the immediately adjacent land on which the plant processing the raw materials is located. The term does not include any land owned or leased by the operator not being currently used in the production of aggregates for commercial sale or an excavation to mine clay or shale for use in manufacturing structural clay products.

Temporarily Inactive Mineral Mining Facility. A site or portion of a site where mineral mining or milling occurred in the past and is not currently being actively undertaken, and where the facility is covered by an active mining permit.

Non-contaminated. Free from the presence of pollutants attributable to industrial activity.

4. Annual Comprehensive Site Compliance Evaluation

The SWP3 must be revised to reflect the findings of the annual comprehensive site compliance evaluation within a maximum of 12 weeks following completion of the evaluation for inactive mining facilities.

5. Limitations on Permit Coverage

(a) This general permit does not authorize the discharge of stormwater runoff described in the Texas Water Code, §26.553 (related to certain quarries located in the John Graves Scenic Riverway, in the Brazos River Basin), where TCEQ rules require coverage under an individual permit or alternative general permit. These facilities must obtain coverage under an alternative TPDES permit as described in applicable TCEQ rules.

(b) This permit does not authorize discharges from facilities described under the federal effluent limitations guidelines in 40 CFR Part 436 (Mineral Mining and Processing Point Source Category), except that stormwater and non-contaminated groundwater seepage from sand, gravel, and crushed stone mining operations described in this rule may be discharged, as described in section J.2. above and section J.6. below.

(c) Sites where mining claims are being maintained prior to disturbances associated with the extraction, beneficiation, or processing of mined materials, and sites where

minimal activities are undertaken for the sole purpose of maintaining a mining claim are not considered either active or inactive mining facilities and do not require a permit for stormwater discharges associated with industrial activity.

6. Numeric Effluent Limitations

Applicable to Sector J facilities discharging stormwater and mine dewatering consisting solely of stormwater and non-contaminated groundwater seepage from the following sand, gravel, and crushed stone mining operations that are subject to federal effluent limits. The following SIC codes are subject to numeric effluent limits for mine dewatering: 1422–1429 (Crushed Stone), 1442 (Construction Sand and Gravel), and 1446 (Industrial Sand).

(a) Construction Sand and Gravel (SIC 1442), Industrial Sand (SIC 1446), and Crushed Stone (SIC 1422–1429). The following numeric effluent limitations, based on guidelines for mine dewatering from the Mineral Mining and Processing Point Source Category (40 CFR Part 436), apply to mine dewatering operations (discharges from the mine pit of accumulated stormwater and non-contaminated groundwater seepage) at construction sand and gravel, industrial sand, or crushed stone mining facilities. Samples of these discharges must be obtained before the runoff combines with other stormwater runoff, analyzed, and must not exceed the following numeric effluent limitations:

(1) For mine dewatering discharges from facilities regulated under 40 CFR Part 436, Subpart B (Crushed Stone Subcategory) and Subpart C (Construction Sand and Gravel Subcategory), the following effluent limits apply:

Table 18. Numeric Effluent Limitations for Mine Dewatering at Sector J Crushed Stone Mining Facilities and Construction Sand and Gravel Mining Facilities

Industrial Activity	Parameter [1]	Limitations[1] Daily Avg.	Limitations Daily Max.
Mine Dewatering Discharges at Crushed Stone Mining Facilities (SIC 1422-1429)	pH	6.0-9.0 S.U.	6.0-9.0 S.U.
Mine Dewatering Discharges at Construction Sand and Gravel Mining Facilities (SIC 1442)	pH	6.0-9.0 S.U.	6.0-9.0 S.U.

[1] Monitor annually.

(2) For mine dewatering discharges from facilities regulated by 40 CFR Part 436, Subpart D (Industrial Sand Subcategory), the following effluent limits apply:

Table 19. Numeric Effluent Limitations for Mine Dewatering at Sector J Industrial Sand Mining Facilities

Industrial Activity	Parameter [1]	Limitations Daily Avg.	Limitations Daily Max.
Mine Dewatering Discharges at Industrial Sand Mining Facilities (SIC 1446)	TSS pH	25 mg/L 6.0-9.0 S.U.	45 mg/L 6.0-9.0 S.U.

[1] Monitor annually.

These limitations do not apply to Sector J facilities that are not subject to federal guidelines at 40 CFR Part 436.

(b) Waivers from Numeric Effluent Limitations. Numeric effluent limitations for mine dewatering do not apply to discharges that overflow from structural control facilities that are designed, constructed, and maintained to contain or treat the volume of mine dewatering wastewater that would result from a 10-year, 24-hour storm event. The permittee shall maintain, as a part of the SWP3, the following information in order to receive this waiver: engineering design records that demonstrate structural controls are adequate to intercept, contain, and treat the volume of runoff from a 10-year, 24-hour storm event; and records of rainfall from an on-site rain gauge, a representative weather station, or subject to TCEQ's approval, an alternative means of compliance. Rainfall records are only required to document events that equal or exceed a 10-year, 24-hour event.

7. Benchmark Monitoring Requirements

The following subsectors must conduct benchmark monitoring on discharges of stormwater associated with industrial activities according to the requirements in Part IV of this general permit.

Table 20. Benchmark Monitoring Requirements for Subsections in Sector J

SIC Code	Description of Industrial Activity	Benchmark Parameter	Benchmark Value
1411 1422-1429 1481	Dimension Stone Crushed and Broken Stone, Incl. Rip Rap Nonmetallic Minerals, Except Fuels	TSS pH	50 mg/L 6.0-9.0 S.U.
1442,1446	Sand and Gravel Mining	Nitrate + Nitrite N TSS	0.68 mg/L 50 mg/L

8. Mining-Related Non-Stormwater Discharges

Certification of Discharge Testing. The permittee shall test or evaluate all outfalls covered under this permit for the presence of specific mining-related non-stormwater discharges such as discharges subject to effluent limitations guidelines (e.g., 40 CFR Part 436). The SWP3 must include information on the discharge from each outfall.

9. Additional SWP3 Requirements

(a) Employee Training. The permittee shall conduct employee training at least once per year at active and temporarily inactive sites.

Training must be conducted for all employees who work in areas where industrial materials or activities are exposed to stormwater, or who are responsible for implementing activities necessary to meet the conditions of this permit (e.g., inspectors, maintenance personnel), including all members of the Pollution Prevention Team. Training must cover the specific control measures used to achieve the requirements in this section, plus the monitoring, inspection, planning, reporting, and documentation requirements in other parts of this permit.

(b) The following requirements are required to be in the SWP3 for active mineral mining facilities, temporarily inactive mineral mining facilities, and sites being returned or transitioned into an appropriate post mining use, and are in addition to the

requirements listed in Part III of this general permit. These requirements are not applicable to inactive mineral mining facilities. (also see Part V, Section J.10. below)

(1) A description of the nature of the industrial activities at the facility;

(2) A map showing the general location of the facility and all surface waters for receiving discharges authorized under this general permit; and

(3) A site map showing:

a. the size of the property in acres;

b. the location and extent of significant structures and impervious surfaces;

c. locations of all existing structural control measures;

d. locations of all of the immediate receiving, with an indication whether any of the waters are impaired and, if so, whether the waters have TMDLs established for them;

e. locations of all stormwater conveyances including ditches, pipes, and swales;

f. locations of all stormwater monitoring points;

g. locations of stormwater inlets and outfalls, with a unique identification code for each outfall (e.g., Outfall No. 001, 002, etc), indicating if one or more outfalls is being treated as "substantially similar" in accordance with Part III, Section D.2.(b) of this general permit, and an approximate outline of the areas draining to each outfall;

h. locations and descriptions of all non-stormwater discharges identified under Part V, Section J.8.

i. locations of the following activities where such activities are exposed to stormwater:

(i) fueling and maintenance areas;

(ii) locations used for the treatment, storage, or disposal of wastes;

(iii) liquid storage tanks;

(iv) immediate access roads and rail lines used or traveled by carriers of raw materials, manufactured products, waste material, or by-products used or created by the facility;

(v) transfer areas for substances in bulk; and machinery; and

(vi) locations and sources of runon to the facility from adjacent property that contains significant quantities of pollutants.

(c) Potential Pollutant Sources. For each area of the mine or mill site, including onsite and offsite haul and access roads, where stormwater discharges associated with industrial activities occur, the permittee shall document in the SWP3 the types of pollutants (e.g., heavy metals, sediment) likely to be present in significant amounts.

(d) Permittees shall minimize, to the extent practicable, the off-site vehicle tracking of sediments and the generation of dust. The SWP3 must include a description of controls utilized to accomplish this requirement.

(e) Discharges from dewatering activities, including discharges from dewatering of trenches and excavations, are prohibited, unless managed by appropriate controls.

(f) Permittees shall design and utilize appropriate controls to minimize the offsite transport of suspended sediments and other pollutants if it is necessary to pump or dewater standing water from the site.

10. Inactive and Unstaffed Sites – Monitoring Waivers

Conditional exemption from routine inspections, quarterly visual assessments, and benchmark monitoring:

A permitted operator of an inactive and unstaffed Sector J facility, including temporarily inactive and unstaffed sites may be waived from the routine inspection, quarterly visual assessment and benchmark monitoring requirements. These permittees are conditionally exempt from the requirement to certify that there are no industrial materials or activities exposed to stormwater, provided that all of the following conditions are met:

(a) If circumstances change and the facility becomes active or staffed, this exemption no longer applies and the operator must immediately begin complying with the applicable benchmark monitoring requirements as if they were in their first year of permit coverage, as well as the quarterly visual assessment requirements; and

(b) the discharge does not cause, have a reasonable potential to cause, or contribute to a violation of applicable water quality standards.

Subject to the two conditions above, if a Sector J facility is inactive and unstaffed, the operator is waived from the requirement to conduct quarterly visual assessments, routine facility inspections, and benchmark monitoring. The operator is still responsible for notifying TCEQ about the status of the facility according to Part II.C.5 and 6.

Inactive industrial facilities must continue to conduct comprehensive site compliance inspections on at least an annual basis as described in Part III, Section B.5 of this permit. Inactive Sector J facilities may not obtain a waiver from comprehensive site compliance inspections.

11. Termination of Permit Coverage

(a) The permittee shall continue to meet the requirements of this general permit until authorization under the general permit is terminated. The permittee may terminate coverage by submitting an NOT in accordance with Part II.C.7 of this general permit. For the purposes of this section (Sector J), Part II.C.7.(a)(1)c. of the general permit, related to termination of coverage, means either that final stabilization of the site must be achieved or the site must be returned to an alternative post-mining use.

(b) A site or portion of a site is considered to have achieved final stabilization or to be returned to an alternative post mining use if the permittee can demonstrate that it has accomplished either of the following two conditions, (1) or (2):

(1) Final Stabilization. To achieve final stabilization, the permittee shall insure that all of the following requirements (a through d) have been met:

a. Stormwater runoff that comes into contact with raw materials, intermediate byproducts, finished products, and waste products does not have the potential to cause or contribute to violations of state water quality standards.

b. Soil disturbing activities related to mining at the site or portion of the site have been completed.

c. The site or portion of the site has been stabilized to minimize soil erosion.

d. If appropriate depending on the type, location, or size of the site, and its potential to contribute pollutants to stormwater discharges, the site or portion of the site has been revegetated, will be amenable to natural revegetation, or will be left in a condition consistent with the post-mining land use described in paragraph (2) below.

(2) Alternative Post Mining Use: For the purposes of this section, a permittee may submit an NOT to terminate coverage if the land has been returned to an alternative post-mining land use. For example, this may include construction pad sites and lakes.

Section K. Sector K of Industrial Activity - Hazardous Waste Treatment, Storage, and Disposal Facilities

1. Description of Industrial Activity

Sector K facilities include those facilities with activities directly related to the treatment, storage, and disposal of hazardous wastes, including those that are operating under the regulatory authority and authorization of Subtitle C of the Resource Conservation and Recovery Act (RCRA).

SECTOR K: HAZARDOUS WASTE TREATMENT, STORAGE, AND DISPOSAL FACILITIES

Activity Codes and SIC Code Description

HZ Hazardous Waste Treatment, Storage, and Disposal Facilities

2. Covered Stormwater Discharges

Stormwater discharges from treatment, storage, or disposal facilities as defined under 30 TAC Chapter 335, Subchapter E (40 CFR Part 265), 30 TAC Chapter 305 (40 CFR Part 270), and 30 TAC Chapter 335, Subchapter F (40 CFR Part 264), including those operating under interim status or a permit under these rules, may obtain coverage under this general permit if other applicable requirements are met.

3. Limitations on Permit Coverage

(a) Coverage is limited to those facilities that treat, store, or dispose of hazardous waste and are defined under 30 TAC Chapter 335, Subchapter E (40 CFR Part 265), 30 TAC Chapter 305 (40 CFR Part 270), or 30 TAC Chapter 335, Subchapter F (40 CFR Part 264), including those operating under interim status or a permit under these rules. The executive director may require an individual TPDES permit for any discharges under this sector if conditions warrant.

(b) This section does not include generators who temporarily store hazardous waste pursuant to the requirements in 30 TAC §§335.69 (40 CFR §262.34), 335.2(d)(5), 335.41, or 335.94 (40 CFR §263.12). Based on the facility SIC code, operators of such facilities may be regulated under an alternative sector of this general permit, or may not require permit coverage.

(c) This general permit does not authorize the discharge of landfill wastewater subject to federal effluent guidelines at 40 CFR Part 445 (Landfills Point Source Category), including, but not limited to: leachate; gas collection condensate; drained free liquids;

laboratory derived wastewater; contaminated stormwater; and contact washwater from washing truck, equipment and railcar exteriors and surface areas that have come in direct contact with solid waste at the landfill facility. The discharge or disposal of landfill wastewater subject to federal effluent guidelines at 40 CFR Part 445 must be authorized under an individual TPDES permit or other authorized means.

(d) All facilities regulated under this general permit that treat, store, or dispose of hazardous waste must comply with all applicable rules and regulations, including 30 TAC Chapters 305 and 335.

4. Definitions

Contaminated stormwater. Stormwater that comes into direct contact with landfill wastes, the waste handling and treatment areas, or landfill wastewater. Some specific areas of a landfill that may produce contaminated stormwater include (but are not limited to) the open face of an active landfill with exposed waste (no cover added); the areas around wastewater treatment operations; trucks, equipment, or machinery that has been in direct contact with the waste; and waste dumping areas.

Drained free liquids. Aqueous wastes drained from waste containers (e.g., drums) prior to land filling.

Landfill. A disposal facility or part of a facility where solid waste or hazardous waste is placed in or on land and that is not a pile, a land treatment facility, a surface impoundment, an injection well, a salt dome formation, a salt bed formation, an underground mine, a cave, or a corrective action management unit, as these terms are defined elsewhere in TCEQ or EPA rules.

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

Leachate. Any liquid, included any suspended components in the liquid, that has percolated through or drained from solid waste or hazardous waste.

Non-contaminated stormwater. Stormwater that does not come into direct contact with landfill wastes, the waste handling and treatment areas, or landfill wastewater. Non-contaminated stormwater includes stormwater that flows off the cap, cover, intermediate cover, daily cover, or final cover of the landfill.

5. Benchmark Monitoring Requirements

The following subsections must conduct benchmark monitoring according to the requirements in Part IV of this general permit and conduct evaluations on the effectiveness of the facility SWP3 based on the following benchmark values in Table 21:

Table 21. Benchmark Monitoring Requirements for Sector K

Activity Code	Description of Industrial Activity	Benchmark Parameter	Benchmark Value
HZ	Hazardous Waste Treatment, Storage, and Disposal	Ammonia-Nitrogen	1.7 mg/L
		Magnesium, total	1.4 mg/L
		COD	60 mg/L
		Arsenic, total	0.010 mg/L
		Cadmium, total	0.001 mg/L
		Cyanide, total	0.02 mg/L
		Lead, total	0.010 mg/L
		Mercury, total	0.0002mg/L
		Selenium, total	0.01 mg/L
		Silver, total	0.002 mg/L

Section L. Sector L of Industrial Activity - Landfills and Land Application Sites

1. Description of Industrial Activity

The requirements under this section apply to stormwater discharges from activities identified and described as Sector L. Sector L industrial activities are described by the following Industrial Activity Code:

SECTOR L: LANDFILLS AND LAND APPLICATION SITES

Activity Codes and SIC Code Description

LF -Landfills, Land Application Sites, and Open Dumps that Receive or Have Previously Received Industrial Waste, including sites subject to regulation under Subtitle D of the Resource Conservation and Recovery Act (RCRA).

2. Definitions

The following definitions apply only to Section L of this general permit:

Contaminated Stormwater. Stormwater that comes into direct contact with landfill wastes, the waste handling and treatment areas, or landfill wastewater. Some areas of a landfill that may produce contaminated stormwater include (but are not limited to) the open face of an active landfill with exposed waste (no cover added); the areas around wastewater treatment operations; trucks, equipment, or machinery that has been in direct contact with the waste; and waste dumping areas.

Drained Free Liquid. Aqueous wastes drained from waste containers (e.g., drums) prior to land filling.

Final Cover. As described in 30 TAC Chapter 330.

Final Stabilization. For the purpose of this permit, includes all requirements needed to achieve final regulatory closure of the site.

Inactive Landfill. A facility that no longer receives waste and has completed closure according to all applicable federal, state, and local requirements, but where an authorization under this general permit is maintained.

Industrial Waste. Solid waste from manufacturing portions of industrial activities defined in this general permit.

Intermediate Cover. As described in 30 TAC Chapter 330.

Landfill. A solid waste management unit where solid waste is placed in or on land and that is not a pile, a land treatment unit, a surface impoundment, an injection well, a salt dome formation, an underground mine, a cave, or a corrective action management unit.

Landfill Wastewater. As defined in 40 CFR Part 445 (Landfills Point Source Category) all wastewater associated with, or produced by, land filling activities except for sanitary wastewater, non-contaminated stormwater, contaminated groundwater, and wastewater from recovery pumping wells. Landfill process wastewater includes, but is not limited to, leachate, gas collection condensate, drained free liquids, laboratory-derived wastewater, contaminated stormwater, and contact wash water from washing truck, equipment, and railcar exteriors and surface areas that have come in direct contact with solid waste at the landfill facility.

Land Application Site, or Land Treatment Facility. For the purpose of this permit, a facility or part of a facility at which solid waste is applied onto or incorporated into the soil surface and that is not a corrective action management unit; such facilities are disposal facilities if the waste will remain after closure.

Leachate. Liquid that has passed through or emerged from solid waste and contains soluble, suspended, or miscible materials removed from such waste.

Municipal Solid Waste (MSW). Solid waste, resulting from or incidental to municipal, community, commercial, institutional, and recreational activities, including garbage, rubbish, ashes, street cleanings, dead animals, abandoned automobiles, and all other solid waste other than industrial solid waste.

Municipal Solid Waste Facility. All contiguous land, structures, other appurtenances, and improvements on the land used for processing, storing, or disposing of solid waste. A facility may be publicly or privately owned and may consist of several processing, storage, or disposal operational units, e.g., one or more landfills, surface impoundments, or combinations of them.

Municipal Solid Waste Landfill Unit. A discrete area of land or an excavation that receives household waste and that is not a land application unit, surface impoundment, injection well, or waste pile, as those terms are defined under 40 CFR §257.2. A municipal solid waste (MSW) landfill unit also may receive other types of Resource Conservation and Recovery Act (RCRA) Subtitle D wastes, such as commercial solid waste, nonhazardous sludge, conditionally exempt small-quantity generator waste, and industrial solid waste. Such a landfill may be publicly or privately owned. An MSW landfill unit may be a new MSW landfill unit, an existing MSW landfill unit, a vertical expansion, or a lateral expansion.

Non-Contaminated Stormwater. Stormwater that does not come into direct contact with landfill wastes, the waste handling and treatment areas, or landfill wastewater. Non-contaminated stormwater includes stormwater that flows off the cap, cover, intermediate cover, intact daily cover, or final cover of the landfill.

Open Dump. A facility for the disposal of solid waste that is not otherwise defined in this section.

Temporary Stabilization. A condition where exposed soils or disturbed areas are provided a protective cover, which may include temporary seeding, geotextiles, mulches, and other techniques to reduce or eliminate erosion until either final stabilization can be achieved or until further construction activities take place.

3. Covered Stormwater Discharges

(a) This permit authorizes the discharge of non-contaminated stormwater and uncontaminated groundwater associated with waste disposal at landfills, land application sites, and open dumps that receive or have received solid waste from an industrial activity covered under this general permit, including sites subject to regulation under Subtitle D of RCRA.

(b) Landfill activities include the construction of new landfill cells that take place as part of normal landfill operations. This permit does not cover stormwater discharges from the initial construction of the landfill.

(c) Stormwater discharges from sites where wastewater or sludge is land applied is not required to be permitted, provided that the disposal site is properly permitted by the TCEQ or the EPA, and that stormwater runoff from the disposal site does not contact the wastewater or sludge.

4. Limitations on Permit Coverage

(a) This general permit does not authorize the discharge of landfill wastewater subject to federal effluent guidelines at 40 CFR Part 445 (Landfills Point Source Category), including: leachate; gas collection condensate; drained free liquids; laboratory derived wastewater; contaminated stormwater; and contact wash water from washing truck, equipment and railcar exteriors. The discharge or disposal of landfill wastewater must be authorized under an individual TPDES permit or other authorized means.

(b) Non-contaminated stormwater discharges from any landfill; land application site; or open dump that does not receive or has not received any solid waste from industrial activities regulated under this permit does not require authorization under this permit.

(c) Closed Landfills. Permit Coverage is not required for a landfill that has received written acknowledgement of final facility closure from the executive director, in accordance with TCEQ's solid waste regulations. Closed or inactive landfills that are no longer in use but that have not received final closure approval from TCEQ (and hence have not begun the 30 year post closure monitoring), would still be considered industrial activities and coverage should be maintained as an inactive landfill.

(d) All permittees regulated under this section of the general permit that generate solid waste, including municipal solid waste, shall comply with all applicable rules and regulations, including 30 TAC Chapter 330.

5. Additional SWP3 Requirements

(a) Maintenance Program. The permittee shall maintain all elements of leachate collection and treatment systems in order to prevent the discharge of stormwater that has commingled with leachate, contaminated stormwater, or other landfill wastewater. The permittee shall also maintain integrity and effectiveness of any intermediate or final cover (including repairing the cover as necessary), for the purpose of minimizing the effects of settlement, sinking, and erosion.

(b) Erosion and Sedimentation Control Measures. The permittee shall provide temporary stabilization for the following areas and activities:

(1) materials stockpiled for daily, intermediate, and final cover;

(2) inactive areas of the landfill or open dump;

(3) landfills or open dump areas that have gotten final covers but where vegetation has yet to establish itself; and

(4) land application sites where waste application has been completed but final vegetation has not yet been established.

(c) Investigation and Certification of Non-Stormwater Discharges. The permittee shall include leachate, vehicle wash water, and contaminated stormwater in its investigation and certification of non-stormwater discharges.

(d) Site Map. The site map must depict the locations of the following:

(1) Active, inactive, and closed solid waste landfill cells or units;

(2) active and closed land application areas;

(3) any known leachate springs or similar uncontrolled leachate sources that could contact stormwater; and

(4) leachate collection and treatment systems.

(e) Summary of Potential Pollutant Sources. The SWP3 must include documentation of the following activities:

(1) fertilizer, herbicide, and pesticide application;

(2) earth and soil moving;

(3) waste hauling and loading or unloading;

(4) outdoor storage of significant materials, including daily, intermediate, and final cover material stockpiles as well as temporary waste storage areas;

(5) exposure of active and inactive landfill and land application areas;

(6) uncontrolled leachate flows; and

(7) failure or leaks from leachate collection and treatment systems.

(f) Periodic Inspections.

(1) Inactive sites. For inactive landfills and land application sites, this section of the SWP3 must include inspection procedures for qualified personnel to evaluate the stabilization and structural erosion control measures, as well as the leachate collection and treatment systems.

(2) Periodic Inspection Frequency. Inspection procedures must be developed according to the standard periodic inspection requirements described in Part III, Section B. of this general permit, but inspections must be conducted at the following frequencies:

a. for active landfills, open dumps, and land application sites, at least once every seven (7) days; alternatively, in arid areas, inspections may be conducted at least once each month; or

b. for areas of landfill sites where landfill activities are completed and soils are finally stabilized, and for land application sites where land application has been completed, inspections must be conducted at least once every month.

(g) Erosion Control Measures. The permittee shall provide temporary stabilization of all materials that are stockpiled and stored for future use. Inactive areas of the landfill with stockpiled materials that have intermediate cover, but no final cover, must be

stabilized. Inactive areas that have received final cover must be temporarily stabilized until final stabilization measures are completed. Inactive land application areas must be temporarily stabilized until final stabilization measures are completed.

(h) Records. Operators of landfills or open dumps shall keep records of the types of wastes disposed of in each cell or trench, and land application site operators shall maintain a tracking system to define the types and quantities of wastes applied within specific areas of the application site. These records must either be included in the SWP3 or be referenced and made readily available for review upon request by authorized TCEQ personnel as well as any local pollution control agency with jurisdiction.

6. Benchmark Monitoring Requirements

The following subsections must conduct benchmark monitoring according to the requirements in Part IV of this general permit and conduct evaluations on the effectiveness of the facility SWP3 based on the following benchmark values:

Table 22. Benchmark Monitoring Requirements for Activity Codes in Sector L

Activity Code	Description of Industrial Activity	Benchmark Parameter	Benchmark Value
LF	Landfills, Land Application Sites, and Open Dumps	TSS	100 mg/L
		Iron, total*	1.3 mg/L

*Sampling for total iron is not required for discharges from municipal solid waste landfill areas that have been closed in accordance with 40 CFR §258.60.

Section M. Sector M of Industrial Activity - Automobile Salvage Yards

1. Description of Industrial Activity

The requirements under this section apply to stormwater discharges from activities identified and described as Sector M. Sector M industrial activities are described by the following SIC code:

SECTOR M: AUTOMOBILE SALVAGE YARDS

SIC Codes *SIC Code Description*

5015 Automobile Salvage Yards

(See Part II, Section A.1.b for a detailed list of SIC codes)

2. Additional SWP3 Requirements

(a) Employee Training. The following areas must be addressed in the employee training program: proper handling (collection, storage, and disposal) of oil, used mineral spirits, anti-freeze, mercury switches, and solvents.

(b) Site Map. Include the locations of the following:

(1) vehicle and vehicle parts storage areas;

(2) vehicle dismantling areas;

(3) vehicle and equipment fueling and maintenance areas;

(4) vehicle, parts, and equipment cleaning areas;

(5) waste treatment, storage and disposal areas; and

(6) areas where fluids or fuels are stored in drums, tanks, or other containers.

(c) The SWP3 must include an assessment of the potential for each of the areas listed above to contribute pollutants to stormwater discharges from the site.

(d) Spill Prevention and Response Measures.

(1) Vehicles must be inspected for leaking fluids upon arrival at the facility. Actions must be immediately taken to prevent the discharge of fluids according to specific measures established by the operator within the spill prevention and response measures section of the SWP3. Upon the arrival (or as soon after the arrival as feasible) of vehicles at the site that are intended to be dismantled, the permittee shall drain those vehicles of all fluids, or shall employ another equivalent mean to prevent spills and leaks.

(2) Vehicles that are stored but are not drained of fluids must be inspected for leaks at least once per quarter. These inspections may be incorporated as part of the standard periodic inspections. The spill prevention and response measures must be developed with specific guidelines for inspecting stored vehicles and measures to be taken when vehicles are identified as leaking or in danger of developing leaks. All fluids must be handled and disposed of according to all applicable state and federal regulations.

(e) Periodic Inspections. Equipment containing oily parts, hydraulic fluids, or other fluids must be inspected for leaks during the periodic inspections.

(f) Good Housekeeping Measures. Equipment operators shall conduct inspections of equipment on a daily basis when equipment is in use.

(g) Employee Training Program and Employee Education. The employee training program must include training on the following operations at facilities where these activities occur, or wastes are generated:

(1) used oil and spent solvent management;

(2) management of metal filings and dust from welding, grinding, and similar operations that produce metal waste; and

(3) lead-acid battery management.

3. Benchmark Monitoring Requirements

The following subsections must conduct benchmark monitoring according to the requirements in Part IV of this general permit and conduct evaluations on the effectiveness of the facility SWP3 based on the following benchmark values:

Table 23. Benchmark Monitoring Requirements for Subsections in sector M

SIC Code	Description of Industrial Activity	Benchmark Parameter	Benchmark Value
5015	Automobile Salvage Yards	Aluminum, total	1.2 mg/L
		TSS	100 mg/L
		Iron, total	1.3 mg/L
		Lead, total	0.010 mg/L

Section N. Sector N of Industrial Activity - Scrap and Waste Recycling Facilities

1. Description of Industrial Activity

The requirements under this section apply to stormwater discharges from activities identified and described as Sector N. Sector N industrial activities are described by the following SIC Code:

SECTOR N: SCRAP AND WASTE RECYCLING FACILITIES

SIC Codes *SIC Code Description*

5093 Scrap and Waste Recycling Facilities (e.g., metals, paper, plastic, cardboard, glass, animal hides, used oil, antifreeze, mineral spirits, industrial solvents, computers, electronics, and other materials listed in the SIC Code Manual Under SIC 5093)

(See Part II, Section A.1.b for a detailed list of SIC codes)

2. Limitations on Permit Coverage

Stormwater discharges from storage or stockpile areas for metal turnings previously exposed to cutting oils, are only eligible for coverage if these materials are isolated from stormwater by storm resistant shelters or if the following BMPs are implemented:

(a) dedicated containment areas are used that include a perimeter barrier to prevent stormwater runon and runoff; containment areas and perimeter barriers are constructed of concrete, or other similar impermeable oil-resistant materials; and

(b) if discharges only occur following treatment through an oil/water separator or similarly efficient treatment unit.

3. Additional SWP3 Requirements

(a) Requirements for Specific Facilities:

(1) Scrap and Waste Recycling Facilities (Non-Source Separated, Non-liquid Recyclable Materials). The requirements below apply to facilities that receive, process, and wholesale distribute non-liquid recyclable wastes (e.g., ferrous and nonferrous metals, plastics, glass, cardboard, and paper) and that may receive both non-recyclable and recyclable materials. These requirements do not apply to facilities that accept recyclables only from sources that are primarily non-industrial and residential.

a. Inbound Recyclable and Waste Material Control Program. The permittee shall conduct inspections of inbound recyclables and waste materials to minimize the acceptance materials that could be significant sources of pollutants.

b. Scrap and Waste Material Stockpiles and Storage (Outdoor). The permittee shall minimize the potential for stormwater to contact stockpiled materials, processed materials, and non-recyclable wastes.

c. Stockpiling of Turnings Exposed to Cutting Fluids (Outdoor Storage). The permittee shall minimize the potential for stormwater to contact residual cutting fluids.

d. Scrap and Waste Material Stockpiles and Storage (Covered or Indoor Storage). The permittee shall minimize the potential for stormwater to contact residual liquids and particulate matter from materials stored indoors or under cover.

e. Scrap and Recyclable Waste Processing Areas. The permittee shall minimize the potential for stormwater to contact scrap processing equipment by addressing operations that generate visible amounts of particulate residue (e.g., shredding) and minimizing the contact of accumulated particulate matter and residual fluids with runoff (e.g., through good housekeeping, preventive maintenance).

f. Scrap Lead-Acid Battery Program. The permittee shall properly handle, store, and dispose of scrap lead-acid batteries, and shall segregate scrap lead-acid batteries from other scrap materials.

g. Spill Prevention and Response Procedures. The permittee shall install alarms or pump shutoff systems on outdoor equipment with hydraulic reservoirs exceeding 150 gallons in the event of a line break. Alternatively, the permittee may use a secondary containment system capable of holding the entire contents of the reservoir plus room for precipitation. The permittee shall use a mercury spill kit for any release of mercury from switches, anti-lock brake systems, and switch storage areas.

(2) Waste Recycling Facilities (Liquid Recyclable Materials).

a. Waste Material Storage (Indoor). The permittee shall minimize the potential for stormwater to contact residual liquids from waste materials stored indoors.

b. Waste Material Storage (Outdoor). The permittee shall minimize the potential for stormwater to contact stored residual liquids. The SWP3 may refer to applicable portions of other existing plans, such as SPCC plans required by 40 CFR Part 112.

c. Trucks and Rail Car Waste Transfer Areas. The permittee shall minimize the potential for pollutants in discharges from truck and rail car loading and unloading areas, and shall include measures to clean up minor spills and leaks resulting from the transfer of liquid wastes.

(3) Recycling Facilities (Source-Separated Materials). The following requirements apply to facilities that receive only source-separated recyclables, primarily from non-industrial and residential sources (e.g. local government recycling facility).

a. Inbound Recyclable Material Control. The permittee shall minimize the chance of accepting non-recyclables (e.g., hazardous materials) that could be a significant source of pollutants by conducting inspections of inbound materials.

b. Outdoor Storage. The permittee shall minimize exposure of recyclables to stormwater, and shall use good housekeeping measures to prevent accumulation of particulate matter and fluids, particularly in high traffic areas.

c. Indoor Storage and Material Processing. The permittee shall minimize the release of pollutants from indoor storage and processing areas.

d. Vehicle and Equipment Maintenance. The permittee shall establish controls to minimize pollutants in stormwater from vehicle and equipment maintenance.

(b) Drainage Area Site Map. The site map must include the locations of any of the following activities or sources that may be exposed to precipitation or surface runoff: scrap and waste material storage, outdoor scrap and waste processing equipment; and containment areas for turnings exposed to cutting fluids.

(c) Maintenance Schedules/Procedures for Collection, Handling, and Disposal or Recycling of Residual Fluids at Scrap and Waste Recycling Facilities. For any facility that is subject to Part V, Section N.3.(a)(3) above, the SWP3 must identify any applicable maintenance schedule and the procedures to collect, handle, and dispose or recycle residual fluids.

(d) Additional Inspection Requirements. Routine Facility Inspections must be performed once per quarter as described in Part III, Section B.2., and must include, at a minimum, all areas where waste is generated, received, stored, treated, or disposed and that are exposed stormwater.

4. Benchmark Monitoring Requirements

The following subsections must conduct benchmark monitoring according to the requirements in Part IV of this general permit and conduct evaluations on the effectiveness of the facility SWP3 based on the following benchmark values:

Table 24. Benchmark Monitoring Requirements for Subsections in sector N

SIC Code	Description of Industrial Activity	Benchmark Parameter	Benchmark Value
5093	Scrap and Waste Recycling Facilities	Copper, total Aluminum, total Iron, total Lead, total Zinc, total TSS COD	0.030 mg/L 1.2 mg/L 1.3 mg/L 0.010 mg/L 0.16 mg/L 100 mg/L 60 mg/L

Section O. Sector O of Industrial Activity - Steam Electric Generating Facilities

1. Description of Industrial Activity

The requirements under this section apply to stormwater discharges from activities identified and described as Sector O. Sector O industrial activities are described by the following Industrial Activity Code:

SECTOR O: STEAM ELECTRIC GENERATING FACILITIES

Activity Code and SIC Code Description

SE - Steam Electric Power Generating Facilities

2. Covered Stormwater Discharges

The requirements of this section apply to stormwater discharges from the following facilities:

(a) Steam electric power generating facilities as defined in 40 CFR §122.26(b)(14)(vii), that use coal, natural gas, oil, nuclear energy, or other fuel to produce a steam source, including facilities regulated under 40 CFR Part 423 (Steam Electric Power Generating Point Source Category);

(b) coal handling areas located at regulated facilities;

(c) coal pile runoff at regulated facilities; and

(d) duel fuel facilities that could employ a steam boiler.

3. Limitations on Permit Coverage

(a) Non-stormwater discharges subject to effluent limitations guidelines at 40 CFR Part 423 are not eligible for coverage under this general permit.

(b) Stormwater discharges from the following types of facilities are not required to obtain permit coverage and are not eligible for coverage under this general permit:

(1) ancillary facilities (for example, fleet centers and substations) that are not contiguous to a steam electric power generating facility;

(2) gas turbine facilities (providing the facility is not a dual-fuel facility that includes a steam boiler) and combined-cycle facilities where no supplemental fuel oil is burned (and the facility is not a dual-fuel facility that includes a steam boiler); and

(3) cogeneration (combined heat and power) facilities utilizing a gas turbine.

4. Additional SWP3 Requirements

(a) Drainage Area Site Map. The site map must clearly identify the locations of any of the following activities or sources, if they are exposed to stormwater: storage tanks, scrap yards, and general refuse areas; areas used for short-term or long-term storage of general materials; landfills; and stock pile areas.

(b) Good Housekeeping Measures. The permittee shall implement the following housekeeping measures, which must also be documented in the SWP3:

(1) Fugitive Dust Emissions. Minimize fugitive dust emissions from coal handling areas, and the tracking of coal dust offsite.

(2) Minimize the potential for stormwater contamination from the following areas or activities:

a. delivery vehicles arriving at the plant site;

b. fuel oil unloading areas;

c. chemical loading and unloading;

d. miscellaneous loading and unloading areas;

e. above-ground liquid storage tanks;

f. large bulk fuel storage tanks;

g. oil-bearing equipment in switchyard areas;

h. areas adjacent to disposal ponds or landfills; and

i. landfills, scrap yards, surface impoundments, open dumps, general refuse sites.

(3) Spill Reduction Measures. Implement BMPs to minimize the potential for an oil or chemical spill, or reference the appropriate part of a SPCC plan, if applicable.

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

(5) Ash Loading Areas. Reduce or control the tracking of ash and residue from ash loading areas. Clear the ash building floor and immediately adjacent roadways of spillage, debris, and excess water before departure of each loaded vehicle.

(c) Additional Inspection Requirements

(1) Periodic Inspections. In addition to the standard routine facility inspection requirements described in Part III, Section B.2. of this general permit, visual inspections must be conducted at least once per week to determine the structural integrity of above-ground storage tanks, pipelines, pumps and other related equipment. If repairs are necessary, they must be performed as expeditiously as practicable; except that repairs must be made immediately if there is a risk to water quality.

(2) Comprehensive Site Compliance Evaluation. In addition to the standard site compliance inspections described in Part III, Sections B.2. and B.5. of this general permit, personnel must inspect coal handling areas, loading/unloading areas, switchyards, fueling areas, bulk storage areas, ash handling areas, disposal ponds and landfills, maintenance areas, liquid storage tanks, and material storage areas at a minimum frequency of once per month.

5. Numeric Effluent Limitations

(a) The following numeric effluent limitations, based on guidelines from the Steam Electric Generating Point Source Category [40 CFR §§423.12 (b)(1) and (9)], apply to any stormwater runoff from coal pile storage areas. Samples of these discharges must be obtained before the runoff combines with any other discharge, and shall be analyzed for the following pollutants. The analytical result must not exceed the following numeric effluent limitations:

Table 25. Numeric Effluent Limitations for Sector O Facilities discharging Coal Pile Runoff

Industrial Activity	Parameter [1]	Limitations Daily Max
Discharges from Coal Storage Piles at Steam Electric Generating Facilities	TSS	50 mg/L
	pH	6.0-9.0 S.U.

[1] Monitor annually.

(b) Waivers from Numeric Effluent Limitations. Numeric effluent limitations for runoff from coal pile storage areas do not apply to discharges that overflow from structural control facilities that are designed to contain and treat runoff from a 10-year, 24-hour storm event. The permittee shall maintain, as a part of the SWP3, the following information in order to receive this waiver: engineering design records that demonstrate structural controls are adequate to intercept, contain, and treat the volume of runoff from a 10-year, 24-hour storm event; and records of rainfall from an on-site rain gauge, a representative weather station, or subject to TCEQ's approval, an

alternative means of compliance. Rainfall records are only required to document events that equal or exceed a 10-year, 24-hour event.

6. Benchmark Monitoring Requirements

The following subsections must conduct benchmark monitoring according to the requirements in Part IV of this general permit and conduct evaluations on the effectiveness of the facility SWP3 based on the following benchmark values:

Table 26. Benchmark Monitoring Requirements for Subsections in Sector O

Activity Code	Description of Industrial Activity	Benchmark Parameter	Benchmark Value
SE	Steam Electric Power Generating Facilities	Iron, total TSS	1.3 mg/L 50 mg/L

Section P. Sector P of Industrial Activity - Land Transportation and Warehousing

Land Transportation and Warehousing includes the following types of facilities: motor freight transportation facilities; passenger transportation facilities; petroleum bulk oil stations and terminals; rail transportation facilities; and United States Postal Service (USPS) transportation facilities.

1. Description of Industrial Activity

The requirements under this section apply to stormwater discharges from activities identified and described as Sector P. Sector P industrial activities are described by the following SIC codes:

SECTOR P: LAND TRANSPORTATION AND WAREHOUSING

SIC Codes	*SIC Code Description*
4011, 4013	Railroad Transportation
4111 – 4173	Local and Highway Passenger Transportation
4212 – 4215	Trucking and Courier Services, Except Air
4221, 4222	Farm Product Warehousing and Storage; and Refrigerated Warehousing and Storage
4225	General Warehousing and Storage
4226	Special Warehousing and Storage, Not Elsewhere Classified
4231	Terminal and Joint Terminal Maintenance Facilities for Motor Freight Transportation
4311	United States Postal Service
5171	Petroleum Bulk Stations and Terminals

(See Part II, Section A.1.b for a detailed list of SIC codes)

2. Covered Stormwater Discharges

(a) For facilities described by SIC codes listed above, except for SIC codes 4221, 4222, and 4225, permit coverage is only required for stormwater discharges from areas where the following activities are performed: vehicle maintenance (including vehicle rehabilitation, mechanical repairs, painting, fueling, and lubrication) or equipment cleaning. Coverage for stormwater runoff from additional areas may be obtained as described in Part V, Section P.2.(d) below.

(b) For SIC codes 4221, 4222, and 4225, permit coverage is required for stormwater discharges from all areas of the facility. Facilities described by these SIC codes must obtain coverage by submitting an NOI, or a no exposure exclusion by submitting an NEC form, except as described in Part V, Section P.2.c. below for facilities described by SIC code 4225 only (General Warehousing and Storage) that do not have areas where vehicle maintenance (including vehicle rehabilitation, mechanical repairs, painting, fueling, and lubrication) or equipment cleaning activities are performed.

(c) Facilities described by SIC code 4225 that do not have areas where vehicle maintenance (including vehicle rehabilitation, mechanical repairs, painting, fueling, and lubrication) or equipment cleaning activities are performed are designated for coverage under this general permit and are not required to submit an NOI for coverage. These facilities must comply only with the following permit requirements and are not subject to additional requirements that are listed in this permit:

(1) The facility must maintain conditions that ensure there is no exposure of industrial activities to stormwater;

(2) The facility operator must comply with the requirements of Part III, Section E. of this general permit, related to Standard Permit Conditions, except that the operator is not required to submit an NOI or NEC form, prepare a SWP3, or conduct analytical monitoring; and

(3) The site must not contain any areas that are used for vehicle maintenance (including vehicle rehabilitation, mechanical repairs, painting, fueling, and lubrication) or equipment cleaning activities.

The facility operator must apply for coverage if any of the requirements listed above are not met. If the TCEQ determines that additional controls are required other than those listed above, or that there is a concern regarding the discharge of elevated levels of pollutants, then the TCEQ may require a facility described by SIC code 4225 to obtain coverage and meet all permit conditions through submittal of an NOI or an individual permit application.

(d) Runoff from materials storage or handling areas:

(1) The permittee may obtain authorization to discharge stormwater under this general permit from additional areas of Sector P facilities where materials, intermediates, or products are stored or handled, and where the discharge from these areas would otherwise require authorization under a TPDES individual permit or alternative general permit. This permit does not authorize the discharge of any process wastewater from material storage or handling areas, including contaminated stormwater.

(2) In order to obtain coverage for any materials storage or handling areas, the permittee shall ensure that the SWP3 addresses these areas and that the SWP3

contains the following additional elements, in addition to those required in Part III of this general permit:

a. list of the pollutants that may be present in the material and exposed to precipitation or runoff;

b. an indication on the site map of all material storage and handling areas that are being included under the MSGP authorization; and

c. description and implementation of BMPs that specifically address the material that is exposed to rainfall or runoff.

(3) This section does not expand the definition of stormwater associated with industrial activity. If runoff from the materials storage and handling areas are not subject to TPDES wastewater permitting, then the SWP3 is not required to address these areas.

3. Limitations on Coverage

(a) Prohibited Discharges. Except as allowed in Part II, Section A.6, related to non-stormwater discharges, this general permit does not authorize the discharge of wastewater resulting from washing vehicles, equipment, or other surfaces, including tank cleaning operations. These discharges must be authorized under a separate TPDES permit, discharged to a sanitary sewer in accordance with applicable industrial pretreatment requirements, recycled on-site, or disposed by an alternate authorized means. The permittee shall keep records of the disposal authorization for this wash water (e.g., individual TPDES permit, discharge to publicly-owned treatment works, or contract with hauling company).

(b) Storage of Crude Oil. Discharges of stormwater from Petroleum Bulk Stations and Terminals (SIC 5171) with aboveground storage of crude oil only, are under the regulatory authority of the Railroad Commission of Texas (RRC), and are not eligible for coverage under this general permit.

Stormwater discharges from SIC 5171 facilities with aboveground storage of both crude oil and refined products that are intended for offsite use are under the jurisdiction of the TCEQ. These facilities must obtain authorization to discharge stormwater under this general permit.

This general permit does not authorize discharges of stormwater from Petroleum Bulk Stations and Terminals where crude oil is stored prior to refining and where refined products are stored solely for use at the facility. These types of facilities are under the regulatory authority of the RRC. Authorization for these discharges must be obtained through application for a NPDES permit with the EPA and authorization from the RRC, if applicable.

If circumstances arise where a portion of a site is regulated by the TCEQ, and a portion of a site is regulated by the EPA and RRC, authorization for stormwater discharges must be obtained from the TCEQ for the TCEQ-regulated portions, and from the EPA and RRC for the RRC-regulated portions of the site, including developing separate SWP3s.

4. Additional SWP3 Requirements

(a) Good Housekeeping Measures. In addition to the good housekeeping SWP3 requirements in Part III, Section A.4 of this general permit, the permittee must

implement the following control measures, and must document in the SWP3 the measures being used for each measure:

(1) Vehicle and Equipment Storage Areas. Minimize the potential for stormwater exposure to leaky or leak-prone vehicles or equipment that are awaiting maintenance.

(2) Fueling Areas. Minimize contamination of stormwater from fueling areas.

(3) Material Storage Areas. Maintain all material containers (e.g., for used oil/oil filters, spent solvents, paint wastes, hydraulic fluids) to prevent contamination of stormwater and plainly label them (e.g., "Used Oil," "Spent Solvents").

(4) Vehicle and Equipment Maintenance and Cleaning Areas. Minimize contamination of stormwater runoff from all areas used for vehicle and equipment maintenance or cleaning.

(5) Locomotive Sanding (Loading Sand for Traction) Areas.

(b) Employee Training. The permittee shall include the following information, as applicable, in its employee training: used oil and spent solvent management; fueling procedures; general good housekeeping practices; proper painting procedures; and used battery management.

(c) Drainage Area Site Map. The site map must identify the following areas of the facility and indicate whether activities occurring there may be exposed to stormwater: fueling stations; vehicle/equipment maintenance or cleaning areas; storage areas for vehicle/equipment with actual or potential fluid leaks; loading/unloading areas; areas where treatment, storage or disposal of wastes occur; liquid storage tanks; processing areas; and storage areas.

(d) Potential Pollutant Sources. The SWP3 must assess the potential for the following activities and facility areas to contribute pollutants to stormwater discharges: onsite waste storage or disposal; dirt/gravel parking areas for vehicles awaiting maintenance; illicit plumbing connections between shop floor drains and the stormwater conveyance system(s); and fueling areas.

(e) Spill Prevention and Response Measures. Vehicles and equipment that are scheduled for maintenance and that have potential fluid leaks must be confined to a designated area. The Spill Prevention and Response Measures section of the SWP3 [see Part III, Section A.4.(e)] shall define specific measures to prevent spills and to confine spills within this area. This section of the SWP3 shall also define specific measures to prevent or minimize contamination of stormwater from fueling areas.

(f) Additional Inspection Requirements. Inspection procedures must be developed according to the standard periodic inspection requirements described in Part III, Section B. of this general permit and conducted at least once per quarter in the following areas:

(1) storage areas for vehicles and equipment awaiting maintenance;

(2) fueling areas;

(3) vehicle and equipment maintenance areas;

(4) material storage areas;

(5) vehicle/equipment cleaning areas; and

(6) loading/unloading areas.

Section Q. Sector Q of Industrial Activity - Water Transportation Facilities

1. Description of Industrial Activity

The requirements under this section apply to stormwater discharges from activities identified and described as Sector Q. Sector Q industrial activities are described by the following SIC codes:

SECTOR Q: WATER TRANSPORTATION

SIC Codes *SIC Code Description*

4412 – 4499 Water Transportation

(See Part II, Section A.1.b for a detailed list of SIC codes)

2. Covered Stormwater Discharges

(a) Permit coverage is only required for stormwater discharges from areas where the following activities are performed at facilities described by the SIC codes listed above: vehicle maintenance (including vehicle rehabilitation, mechanical repairs, painting, fueling, and lubrication) or equipment cleaning, except for retail fueling as described in paragraph 3.(b) below. Coverage for stormwater runoff from additional areas of Sector Q facilities may be obtained as described in Part V, Section Q.2.(b) below.

(b) Runoff from materials storage or handling areas.

(1) The permittee may obtain authorization to discharge stormwater under this general permit from additional areas of Sector Q facilities where materials, intermediates, or products are stored or handled, and where the discharge from these areas would otherwise require authorization under a TPDES individual permit or alternative general permit. This permit does not authorize the discharge of any process wastewater from material storage or handling areas, including contaminated stormwater.

(2) In order to obtain coverage for any materials storage or handling areas, the permittee shall ensure that the SWP3 addresses these areas and that the SWP3 contains the following additional elements, in addition to those required in Part III of this general permit:

a. a list of the pollutants that may be present in the material and exposed to precipitation or runoff;

b. an indication on the site map of all material storage and handling areas that are being included under the MSGP authorization; and

c. description and implementation of BMPs that specifically address the material that is exposed to rainfall or runoff.

(3) This section does not expand the definition of stormwater associated with industrial activity. If runoff from the materials storage and handling areas are not subject to TPDES wastewater permitting, then the SWP3 is not required to address these areas.

3. Limitations on Coverage

(a) This permit does not authorize the discharge of process wastewater discharges associated with a dry dock activity, bilge and ballast water, sanitary wastewater, pressure wash water, and cooling water originating from vessels.

(b) The retail sale of fuel performed at a marina without slip rental, boat storage, and other services such as cleaning and incidental repair is classified as SIC code 5541 (which includes "marine service stations – retail"). If retail fueling is the primary activity performed at the site, then permit coverage is not required. However, if a marina (SIC 4493) has a secondary SIC code of 5541, then coverage would be required for any areas of the marina where vehicle maintenance (including vehicle rehabilitation, mechanical repairs, painting, fueling, and lubrication) or equipment cleaning operations occur, other than the retail fueling operation described by SIC code 5541.

4. Allowable Non-Stormwater Discharges

Boat Rinse Water. In addition to the non-stormwater discharges allowed under Part II of this general permit, boat rinse water may be discharged from water transportation facilities such as marinas, where the boat rinse water does not contain chemicals, surfactants, or elevated temperatures. Discharge from pressure washing of boats is not authorized under this general permit.

5. Additional SWP3 Requirements.

The following additional requirements must be included in the SWP3, for any areas covered under this section of the general permit.

(a) Site Map. The site map must clearly show the locations of the following activities if the activities are exposed to precipitation or runoff: fueling; engine maintenance and repair; vessel maintenance and repair; pressure washing; painting; sanding; blasting; welding; metal fabrication; loading and unloading areas; locations used for the treatment, storage or disposal of wastes; liquid storage tanks; liquid storage areas (e.g., paint, solvents, resins); and material storage areas (e.g., blasting media, aluminum, steel, and scrap iron).

(b) Summary of Potential Pollutant Sources. The SWP3 must list the following additional sources and activities: outdoor manufacturing or processing activities (e.g., welding, metal fabricating) and significant dust or particulate generating processes (e.g., abrasive blasting, sanding, and painting).

(c) Good Housekeeping Measures. The permittee must implement the following in addition to the good housekeeping measures described in Part III, Section A.4. of this general permit:

(1) Blasting and Painting Area. Minimize the potential for spent abrasives, paint chips, and overspray to discharge into receiving waters or the storm sewer systems. When necessary, regularly clean stormwater conveyances of deposits of abrasive blasting debris and paint chips.

(2) Material Storage and Handling Areas. Minimize stormwater contamination from material storage and handling operations and areas. Store and plainly label all containerized materials (e.g., fuels, paints, solvents, waste oil, antifreeze, batteries) in a protected, secure location away from drains. If abrasive blasting is performed, discuss the storage and disposal of spent abrasive materials generated at the facility.

(3) Engine Maintenance and Repair Areas. Minimize the potential for contamination of stormwater from all areas used for engine maintenance and repair.

(4) Drydock Activities. Routinely maintain and clean the drydock to minimize pollutants in stormwater runoff. Address the cleaning of accessible areas of the

drydock prior to flooding, and final cleanup following removal of the vessel and raising the dock. Include procedures for cleaning up oil, grease, and fuel spills occurring on the drydock.

(d) Employee Training. The permittee shall include the following information, as applicable, in the employee training program: management of used oil and spent solvent, disposal of spent abrasives, disposal of vessel wastewaters, spill prevention and control, fueling procedures, general good housekeeping practices, painting and blasting procedures, and used battery management.

(e) Preventive Maintenance. As part of the preventive maintenance program, the permittee shall perform timely inspection and maintenance of stormwater management devices (e.g., cleaning oil and water separators and sediment traps to ensure that spent abrasives, paint chips, and solids will be intercepted and retained prior to entering the storm drainage system), and shall inspect and test facility equipment and systems to uncover conditions that could cause breakdowns or failures resulting in the discharge of pollutants in stormwater.

(f) Additional Inspection Requirements. Inspection procedures must be developed according to the standard periodic inspection requirements described in Part III, Section B of this general permit and conducted at least once per month in the following areas:

(1) pressure wash areas;

(2) abrasive blasting, sanding and painting areas;

(3) material storage or handling areas;

(4) engine maintenance or repair areas;

(5) drydock areas; and

(6) the general yard area.

6. Benchmark Monitoring Requirements

The following subsections must conduct benchmark monitoring according to the requirements in Part IV of this general permit and conduct evaluations on the effectiveness of the facility SWP3 based on the following benchmark values.

Benchmark sampling is only required for areas of Sector Q facilities where vehicle maintenance (including vehicle rehabilitation, mechanical repairs, painting, fueling, and lubrication) or equipment cleaning activities are performed.

Table 27. Benchmark Monitoring Requirements for Subsections in Sector Q

SIC Code	Description of Industrial Activity	Benchmark Parameter	Benchmark Value
4412 - 4499	Water Transportation	Aluminum, total Iron, total Lead, total Zinc, total TSS	1.2 mg/L 1.3 mg/L 0.010 mg/L 0.16 mg/L 50 mg/L

Section R. Sector R of Industrial Activity - Ship and Boat Building or Repair Yards

1. Description of Industrial Activity

The requirements of this section apply to stormwater discharges from activities identified and described as Sector R. Sector R industrial activities are described by the following SIC codes:

SECTOR R: SHIP AND BOAT BUILDING OR REPAIRING YARDS

SIC Codes *SIC Code Description*

3731, 3732 Ship and Boat Building or Repairing Yards

(See Part II, Section A.1.b for a detailed list of SIC codes)

2. Limitations on Coverage

This permit does not authorize the discharge of process wastewater associated with a dry dock activity, bilge and ballast water, sanitary wastes, pressure wash water, or cooling water originating from vessels.

3. Allowable Non-Stormwater Discharge

No additional non-stormwater discharges are authorized other than those listed in Part II, Section A.6. of this general permit.

4. Additional SWP3 Requirements

(a) Site Map. The site map must clearly show the locations of the following activities if the activities are exposed to precipitation or runoff: fueling; engine maintenance and repair; vessel maintenance and repair; pressure washing; painting; sanding; blasting; welding; metal fabrication; loading and unloading areas; locations used for the treatment, storage or disposal of wastes; liquid storage tanks; liquid storage areas (e.g., paint, solvents, resins); and material storage areas (e.g., blasting media, aluminum, steel, and scrap iron).

(b) Summary of Potential Pollutant Sources. The SWP3 must list the following additional sources and activities: outdoor manufacturing or processing activities (e.g., welding, metal fabricating) and significant dust or particulate generating processes (e.g., abrasive blasting, sanding, and painting).

(c) Good Housekeeping Measures. The permittee must implement the following in addition to the good housekeeping measures described in Part III, Section A.4 of this general permit:

(1) Pressure Washing Area. If pressure washing is used to remove marine growth from vessels, the discharged water must be permitted as a process wastewater by a separate TPDES permit.

(2) Blasting and Painting Area. Minimize the potential for spent abrasives, paint chips, and overspray to discharge into the receiving water or the storm sewer system. When necessary, regularly clean stormwater conveyances of deposits of abrasive blasting debris and paint chips.

(3) Material Storage and Handling Areas. Minimize stormwater contamination from material storage and handling operations and areas. Store and plainly label all

containerized materials (e.g., fuels, paints, solvents, waste oil, antifreeze, batteries) in a protected, secure location away from drains. If abrasive blasting is performed, discuss the storage and disposal of spent abrasive materials generated at the facility.

(4) Engine Maintenance and Repair Areas. Minimize the potential for contamination of stormwater from all areas used for engine maintenance and repair.

(5) Drydock Activities. Routinely maintain and clean the drydock to minimize pollutants in stormwater runoff. Address the cleaning of accessible areas of the drydock prior to flooding, and final cleanup following removal of the vessel and raising the dock. Include procedures for cleaning up oil, grease, and fuel spills occurring on the drydock.

(d) Employee Training. The permittee shall include the following information, as applicable, in the employee training program: management of used oil and spent solvent, disposal of spent abrasives, disposal of vessel wastewaters, spill prevention and control, fueling procedures, general good housekeeping practices, painting and blasting procedures, and used battery management.

(e) Preventive Maintenance. As part of the preventive maintenance program, the permittee shall perform timely inspection and maintenance of stormwater management devices (e.g., cleaning oil and water separators and sediment traps to ensure that spent abrasives, paint chips, and solids will be intercepted and retained prior to entering the storm drainage system), and shall inspect and test facility equipment and systems to uncover conditions that could cause breakdowns or failures resulting in the discharge of pollutants in stormwater.

(f) Additional Inspection Requirements. Inspection procedures must be developed according to the standard periodic inspection requirements described in Part III, Section B of this general permit and conducted at least once per month in the following areas:

(1) pressure wash areas;

(2) abrasive blasting, sanding and painting areas;

(3) material storage or handling areas;

(4) engine maintenance or repair areas;

(5) drydock areas; and

(6) the general yard area.

Section S. Sector S of Industrial Activity - Air Transportation Facilities

1. Description of Industrial Activity

The requirements of this general permit apply to stormwater discharges from activities identified and described as Sector S. Sector S industrial activities are described by the following SIC codes:

SECTOR S: AIR TRANSPORTATION

SIC Codes	*SIC Code Description*
4512	Air Transportation, Scheduled
4513	Air Courier Services
4522	Air Transportation, Nonscheduled
4581	Airports, Flying Fields, and Airport Terminal Services, including aircraft maintenance and fueling

(See Part II, Section A.1.b for a detailed list of SIC codes)

2. Covered Stormwater Discharges

(a) Permit coverage is only required for stormwater discharges from areas where the following activities are performed at facilities described by the SIC codes listed above: vehicle maintenance (including vehicle rehabilitation, mechanical repairs, painting, fueling, and lubrication), equipment cleaning operations, or deicing operations. Coverage for stormwater runoff from additional areas of Sector S facilities may be obtained as described in Part V, Section S.2.(b) below.

(b) Runoff from materials storage or handling areas.

(1) The permittee may obtain authorization to discharge stormwater under this general permit from additional areas of Sector S facilities where materials, intermediates, or products are stored or handled, and where the discharge from these areas would otherwise require authorization under a TPDES individual permit or alternative general permit. This permit does not authorize the discharge of any process wastewater from material storage or handling areas, including contaminated stormwater.

(2) In order to obtain coverage for any materials storage or handling areas, the permittee shall ensure that the SWP3 addresses these areas and that the SWP3 contains the following additional elements, in addition to those required in Part III of this general permit:

a. a list of the pollutants that may be present in the material and exposed to precipitation or runoff;

b. an indication on the site map of all material storage and handling areas that are being included under the MSGP authorization; and

c. description and implementation of BMPs that specifically address the material that is exposed to rainfall or runoff.

(3) This section does not expand the definition of stormwater associated with industrial activity. If runoff from the materials storage and handling areas are not

subject to TPDES wastewater permitting, then the SWP3 is not required to address these areas.

3. Definitions

The following definitions apply only to Sector S of this general permit:

Aircraft Deicing Fluid. (ADF) A fluid (other than hot water) applied to aircraft to remove or prevent any accumulation of snow or ice on the aircraft. This includes deicing and anti-icing fluids.

Centralized Deicing Pad. A facility on an airfield designed for aircraft deicing operations, typically constructed with a drainage system separate from the airport main storm drain system.

Deicing. Procedures and practices to remove or prevent any accumulation of snow or ice on an aircraft or airfield pavement.

Heating Degree Day. The number of degrees per day the daily average temperature is below 65 degrees Fahrenheit. The daily average temperature is the mean of the maximum and minimum temperature for a 24-hour period. The annual heating degree day value is derived by summing the daily heating degree days over a calendar year period.

Primary Airport. An airport defined at 49 U.S.C. 47102 (15).

4. Limitations on Permit Coverage

(a) This permit only authorizes stormwater discharges from those portions of a Sector S facility that are involved in vehicle maintenance (including vehicle rehabilitation, mechanical repairs, painting, fueling, and lubrication), equipment cleaning operations, or deicing operations.

(b) Prohibition of Non-Stormwater Discharges. This general permit does not authorize the discharge of wastewater associated with washing aircraft, ground vehicles, runways, or equipment; or the dry weather discharge of deicing chemicals. If these discharges occur, they must be authorized under an alternative TPDES or permit or disposed by another authorized means, and the disposal mechanism described in the SWP3.

(c) A discharge resulting from snowmelt is not a dry weather discharge.

5. Additional SWP3 Requirements

(a) Site Map. The site map must include the following information:

(1) aircraft and runway deicing operations;

(2) fueling stations;

(3) aircraft, ground vehicle and equipment maintenance/cleaning areas;

(4) storage areas for aircraft, ground vehicles and equipment awaiting maintenance; and

(5) the location of each tenant at the site that conducts industrial activity subject to coverage under this section of this general permit.

(b) Potential Pollutant Sources.

(1) The SWP3 must list the following additional sources and activities: maintenance and cleaning of aircraft, runways, ground vehicles, and equipment; and deicing of

aircraft and runways (including apron and centralized aircraft deicing stations, runways, taxiways and ramps).

(2) The SWP3 must include a record of the types and monthly quantities of deicing chemicals that the permittee uses (including the Material Safety Data Sheets MSDS) used and the monthly quantities. This requirement applies for all deicing chemicals, in addition to glycols and urea (e.g., potassium acetate). If the airport authority, tenants, and other Fixed-Based Operators (FBOs) share an SWP3, then the tenants and FBOs that conduct deicing operations must provide the above information to the airport authority.

(c) Good Housekeeping Measures. This section of the SWP3 must describe specific measures where determined to be practicable and that accommodate considerations of safety, space, operational constraints, and flight considerations (list not exclusive), to prevent or minimize contamination of stormwater from areas used for the maintenance, fueling, or cleaning of equipment, aircraft, and other vehicles, and for areas where aircraft deicing and anti-icing activities occur. The following requirements must be addressed in the SWP3 and are in addition to the requirements of Part III, Sections A.4. and A.5. of this general permit:

(1) Aircraft, Ground Vehicle and Equipment Maintenance Areas. Minimize the potential for stormwater contamination from areas used for the maintenance of aircraft, ground vehicles, and equipment (including the maintenance conducted on the terminal apron and in dedicated hangers).

(2) Aircraft, Ground Vehicle and Equipment Cleaning Areas. Clearly demarcate aircraft, ground vehicle and equipment cleaning areas on the ground using signage or other appropriate means. Minimize the potential for contamination of stormwater runoff from these areas.

(3) Aircraft, Ground Vehicle and Equipment Storage Areas. Store all aircraft, ground vehicles and equipment awaiting maintenance in designated areas only. Minimize the potential for contamination of stormwater runoff from these storage areas.

(4) Material Storage Areas. Minimize the potential for stormwater contamination from materials storage areas. Maintain in good condition and plainly label any containers of stored materials (e.g., used oils, hydraulic fluids, spent solvents, and waste aircraft fuel).

(5) Source Reduction. Minimize, and where feasible eliminate, the use of urea and glycol-based deicing chemicals, in order to reduce the aggregate amount of deicing chemicals used or lessen the environmental impact.

(6) Runway Deicing Operation. Minimize the potential for stormwater contamination from runways as a result of deicing operations by evaluating and adjusting as necessary the application rates of deicing materials, consistent with considerations of flight safety.

(7) Aircraft Deicing Operations. The permittee shall evaluate the application rates for deicing chemicals, and adjust as necessary, consistent with considerations of flight safety, to help minimize contamination of stormwater runoff from aircraft deicing operations.

(8) Deicing Season. Identify the de-icing season by determining the seasonal timeframe (e.g., December- February, October - March) during which deicing activities typically occur at the facility. Implementation of control measures, including any BMPs, facility inspections and monitoring must be conducted with

particular emphasis throughout the defined deicing season. If the deicing chemical usage thresholds of 100,000 gallons glycol or 100 tons of urea are met, the identified deicing season is the timeframe during which the required benchmark monitoring must be conducted. (See the benchmark monitoring requirements for this sector, below.)

(d) Structural Controls. Operators that conduct deicing or anti-icing activities shall select controls, where determined to be practicable and that accommodate considerations of safety, space, operational constraints, and flight considerations (list not exclusive), to capture and contain chemicals used in this activity. Containing activities to specific areas where runoff may be captured and either treated, hauled away for disposal or disposed of to the sanitary sewer must be considered, where determined to be practicable and that accommodate considerations of safety, space, operational constraints, and flight considerations (list not exclusive), A narrative description of these considerations, including a rationale for why certain alternatives were either chosen or rejected, must be incorporated as an element of the SWP3.

(e) Shared SWP3s. Airport authorities and airport tenants are encouraged to work in partnership to develop and implement a SWP3. Tenants of the airport facility include air passenger or cargo companies, fixed based operators, and other parties who have contracts with the airport authority to conduct business operations on airport property and whose operations result in stormwater discharges associated with industrial activity. Even with a shared SWP3, each entity at an airport that meets the applicability requirements of this permit is required to obtain permit coverage.

(f) Best Management Practices. Facilities that conduct deicing or anti-icing operations must evaluate operating procedures on an annual basis to consider alternative practices, where determined to be practicable and that accommodate considerations of safety, space, operational constraints, and flight considerations (list not exclusive), that may reduce the overall amount of chemical used, or otherwise lessen the environmental impact of the pollutant. This annual review must include a consideration of alternative chemicals for this use. The SWP3 must include a narrative discussion of the annual alternative practices review that includes the rationale for changes in practices or the decision to retain existing practices. BMPs must be developed and implemented to ensure against over application of chemicals used as a part of deicing and anti-icing operations.

(g) Additional Inspection Requirements.

(1) Routine Facility Inspections. Inspection procedures must be developed according to the standard periodic inspection requirements described in Part III, Section B.2. of this general permit and conducted at least once per week during deicing or anti-icing activities in the areas where these operations take place, if accessible. Records of weekly inspections, when they occur, must be maintained.

(2) Comprehensive Site Inspections. Conduct the annual site inspection using only qualified personnel, during periods of actual deicing operations, if possible. If not practicable during active deicing because of weather, conduct the inspection during the season when deicing operations occur and the materials and equipment for deicing are in place.

6. Numeric Effluent Limitations

The following numeric effluent limitations, based upon guidelines from Airport Deicing Point Source Category, 40 CFR Part 449, apply to any stormwater runoff from airport and

airfield deicing activities at primary airports. The limitiations must be met at the location where the effluent leaves the onsite treatment system utilized for meeting these requirements and before commingling with any non-deicing discharges.

(a) For new and existing primary airports with 1,000 or more jet departures per year, the following requirements apply:

(1) Airfield Pavement Deicing. The discharge from airfield pavement deicers containing urea is not allowed. This requirement must be met by either:

a. Certifying annually that the airfield deicing products do not contain urea; or

b. Each discharge point must be monitored and meet the following numeric effluent limitations:

Table 28. Numeric Effluent Limitations for New and Existing Sector S Facilities with Airfield Deicing

Industrial Activity	Parameter	Daily Maximum[1]
Airfield Pavement Deicing	Ammonia- Nitrogen	14.7 mg/L

[1]Sample Frequency: Once per day during deicing activities
[1]Sample Type: Grab

(2) Aircraft Deicing.

a. Existing Airports: There are no requirements for existing airports regardless of number of jet (non-propeller aircraft) departures per year.

b. New Airports with less than 1,000 jet (non-propeller aircraft) departures per year: There are no requirements.

c. New primary airports with 1,000 and more jet (non-propeller aircraft) departures per year, 10,000 or more departures annually, and 3,000 or more heating degree days (annual), have the following requirements:

(i) At least 60% of available aircraft deicing fluid (ADF) must be collected; and

(ii) The discharge must meet the numeric effluent limitations below. The effluent limitation must be met at the location where the effluent leaves the onsite treatment system utilized for meeting these requirements and before commingling with any non-deicing discharges.

Table 29. Numeric Effluent Limitations for new Sector S Facilities with Aircraft Deicing

Industrial Activity	Parameter	Daily Maximum[1]	Weekly Average
Aircraft Deicing	COD	271 mg/L	154 mg/L

[1]Sample Frequency: Once per day during deicing activities
[1]Sample Type: See 40 CFR Part 449, Appendix A Sampling Protocol for Soluble COD

(b) General Requirements for the Implementation of Numeric Effluent Limitations Established in Section S. (6)(a) above.

The permittee shall demonstrate compliance with the ADF collection, reporting, and record keeping requirements described in Part V. Section S.6.(a) above.

(1) The permittee shall maintain records to demonstrate, and certify annually, that it is operating and maintaining one or more centralized deicing pads. This technology shall be operated and maintained according to the technical specifications as follows:

a. Each centralized deicing pad shall be sized and sited in accordance with all applicable Federal Aviation Administration (FAA) advisory circulars.

b. Drainage valves associated with the centralized deicing pad shall be activated before deicing activities commence, to collect available ADF.

c. The centralized deicing pad and associated collection equipment shall be installed and maintained per any applicable manufacturers' instructions, and shall be inspected, at a minimum, at the beginning of each deicing season to ensure that the pad and associated equipment are in working condition.

d. All aircraft deicing shall take place on a centralized deicing pad, with the exception of defrosting and deicing for safe taxiing.

(2) Alternative technology or specifications. This general permit may allow one of the following alternative procedures for demonstrating compliance with its collection requirement, instead of the procedure mentioned above in Part V. Section S.6.(b)(1)(a-d) of the section above.

a. Using a different ADF collection technology from the centralized deicing pad technology specified in Part V. Section S.6.(b)(1)(a-d) of this section; or

b. Using the same ADF collection technology, but with different specifications for operation and/or maintenance.

(3) The permittee shall collect and maintain on site during the term of the permit, up to five years of records of the annual volume of ADF used.

(c) Monitoring and Sampling

Monitoring and sampling for COD and Ammonia shall be conducted at a location where the effluent leaves the on-site treatment system and prior to commingling with non-deicing wastestreams.

(d) Recordkeeping

The permittee shall maintain onsite records for five years of the following documentation:

a. Wastewater samples collected and analyzed;

b. Certifications;

c. Equipment maintenance schedules and agreement; and

d. If using volumes of ADF applied/collected, records of these amounts.

(e) Additional SWP3 Requirements.

The following SWP3 requirements must be conducted in addition to those listed in Part V. S.5. Permittees shall document and describe the following:

a. Number of jet departures and deicing operations at the airport.

b. Type of deicing chemicals used and keep deicing activity log.

c. Method of ADF collection.

d. Compliance with 60% ADF collection requirements, as applicable.

e. Monitoring and frequencies of sampling.

7. Benchmark Monitoring Requirements

(a) Benchmark monitoring is only required for permittees conducting deicing activities that have used more than 100 tons of urea, or more than 100,000 gallons of glycol-based chemicals on an average annual basis. These volumes of deicing materials refer to the combined activities and usage at the airport as a whole, and not independently to each carrier or operator.

(1) Benchmark monitoring is required of all permittees who used urea or glycol-based deicing chemicals at an airport where the total amount used at the airport meets the criteria listed in this section. Benchmark sampling is not required of a permittee who does not use the listed chemicals, even if the airport did meet the volume criteria that trigger benchmark monitoring.

(2) Benchmark sampling is required at all outfalls that discharge runoff from areas where deicing with urea or glycol-based deicing chemicals is performed at an airport where the total amount used at the airport as a whole meets the criteria listed above.

(3) For those permittees required to conduct benchmark monitoring, the total number of benchmark samples required for the year must be collected during the deicing season when deicing activities are occurring.

(b) The following subsector must conduct benchmark monitoring according to the requirements in Part IV of this general permit and conduct evaluations on the effectiveness of the facility SWP3 based on the following benchmark values:

Table 30. Benchmark Monitoring Requirements for Subsections in Sector S

SIC Code	Description of Industrial Activity	Benchmark Parameter	Benchmark Value
4512 - 4581	Airport Transportation Facilities with Deicing Activities*	COD Ammonia-Nitrogen pH	60 mg/L 1.7 mg/L 6.0-9.0 S.U.

*For airports where a single permittee, or a combination of permitted facilities use more than 100,000 gallons of pure glycol in glycol-based deicing fluids and / or 100 tons or more of urea on an average annual basis.

Section T. Sector T of Industrial Activity - Treatment Works

1. Description of Industrial Activity

The requirements of this general permit apply to stormwater discharges from activities identified and described as Sector T. Sector T industrial activities are described by the following Industrial Activity Code:

SECTOR T: TREATMENT WORKS

Activity Codes and SIC Code Description

TW Certain Wastewater Treatment Plants

2. Covered Stormwater Discharges

The requirements of this general permit apply to stormwater discharges from domestic wastewater treatment plants with a design flow of 1.0 million gallons per day or more that treat, store, recycle, or reclaim domestic sewage, wastewater or sewage sludge (including dedicated lands for sewage sludge disposal located within the onsite property boundaries); or that are required to have an approved pretreatment program (under 40 CFR Part 403).

3. Limitations on Permit Coverage

(a) Prohibition of Wastewater Discharges. The discharge of sanitary wastewater, industrial wastewater, equipment and vehicle wash water, or other wastewater is not authorized by this permit.

(b) Discharge to Wastewater Plant Headworks. Facilities that route all stormwater runoff to the wastewater treatment facility headworks in accordance with an individual TPDES permit are not required to obtain additional coverage through this general permit.

4. Additional SWP3 Requirements

The following SWP3 requirements must be conducted in addition to those listed in Part III of this general permit:

(a) Employee Training. At a minimum, training must address the following areas when applicable to a facility: petroleum product management; process chemical management; spill prevention and controls; fueling procedures; general good housekeeping practices; and proper procedures for using fertilizer, herbicides, and pesticides. These requirements are in addition to the training requirements listed in Part III, Section A.4.(f) of this permit.

(b) Site Map. The permittee shall document in the SWP3 where any of the following may be exposed to precipitation or surface runoff: grit, screenings, and other solids handling, storage, or disposal areas; sludge drying beds; dried sludge piles; compost piles; septage or hauled waste receiving station; and storage areas for process chemicals, petroleum products, solvents, fertilizers, herbicides, and pesticides.

(c) Potential Pollutant Sources. The permittee shall document in the SWP3 the following additional sources and activities that have potential pollutants associated with them, if present at the site: grit, screenings, and other solids handling, storage, or disposal areas; sludge drying beds; dried sludge piles; compost piles; septage or hauled waste receiving station; and access roads and rail lines.

(d) Wastewater and Wash Water Requirements. The permittee shall either retain a copy, or reference the location where a copy is located, of all current TPDES permits issued for wastewater and industrial, vehicle and equipment wash water discharges for the facility in the SWP3. If a TPDES permit has not yet been issued, a copy of the pending application(s) must also be kept or referenced in the SWP3. If the wastewater or wash water is handled in another manner, then the SWP3 must describe the disposal method and all pertinent documentation must be retained onsite.

(e) Additional Inspection Requirements. In addition to the information that must be included in the inspections required in Part III of this permit, the following areas must be inspected as well: access roads and rail lines; grit, screenings, and other solids handling, storage, or disposal areas; sludge drying beds; dried sludge piles; compost piles; and septage or hauled waste receiving station.

5. Benchmark Monitoring Requirements

The following subsections must conduct benchmark monitoring according to the requirements in Part IV of this general permit and conduct evaluations on the effectiveness of the facility SWP3 based on the following benchmark values:

Table 31. Benchmark Monitoring Requirements in Subsections in Sector T

Activity Code	Description of Industrial Activity	Benchmark Parameter	Benchmark Value
TW	Certain Wastewater Treatment Plants	BOD_5	15 mg/L

Section U. Sector U of Industrial Activity - Food and Kindred Products Facilities

1. Description of Industrial Activity

The requirements under this section apply to stormwater discharges from activities identified and described as Sector U. Sector U industrial activities are described by the following SIC codes:

SECTOR U: FOOD AND KINDRED PRODUCTS FACILITIES

SIC Codes *SIC Code Description*

2011 – 2015 Meat Products

2021 – 2026 Dairy Products

2032 - 2038 Canned, Frozen and Preserved Fruits, Vegetables and Food Specialties

2041 - 2048 Grain Mill Products

2051 - 2053 Bakery Products

2061 - 2068 Sugar and Confectionery Products

2074 - 2079 Fats and Oils

2082 - 2087 Beverages

2091 - 2099 Miscellaneous Food Preparations and Kindred Products

2111 - 2141 Tobacco Products
(See Part II, Section A.1.b for a detailed list of SIC codes)

2. Limitations on Coverage

Prohibition of Wastewater Discharges. The following discharges are not authorized by this permit: boiler blowdown, cooling tower overflow and blowdown, ammonia refrigeration purging, and vehicle washing and clean-out operations.

3. Additional SWP3 Requirements

Employee Training Program and Employee Education. The program must include training in pest control application procedures and chemical storage procedures.

Inventory of Exposed Materials. The inventory must include a list of the pesticides, rodenticides, herbicides, and fungicides applied or stored on the facility property.

Narrative Description. A narrative description of all activities and potential sources of pollutants that may reasonably be expected to add significant amounts of pollutants to stormwater discharges from pest control and chemical storage procedures must be included.

Site Map. The site map must clearly show the location of vent stacks for cooking, drying, and similar operations, dry product vacuum transfer lines; animal holding pens; spoiled product and broken product container storage areas; and any other processing or storage areas exposed to stormwater.

Best Management Practices. This section of the SWP3 must include BMPs for cleaning procedures for vent hoods, storage and baking racks, bins and refuse containers, and other similar cleaning activities, to ensure that cleaning these items does not contribute pollutants to stormwater runoff.

4. Benchmark Monitoring Requirements

The following subsections must conduct benchmark monitoring according to the requirements in Part IV of this general permit and conduct evaluations on the effectiveness of the facility SWP3 based on the following benchmark values:

Table 32. Benchmark Monitoring Requirements in Subsections in Sector U

SIC Code	Description of Industrial Activity	Benchmark Parameter	Benchmark Value
2041-2048	Grain Mill Products	TSS	50 mg/L
2074-2079	Fats and Oils	COD Nitrate + Nitrite N TSS	60 mg/L 0.68 mg/L 50 mg/L

Section V. Sector V of Industrial Activity - Textile Mills, Apparel, and Other Fabric Product Manufacturing Facilities

1. Description of Industrial Activity

The requirements under this section apply to stormwater discharges from activities identified and described as Sector V. Sector V industrial activities are described by the following SIC codes:

SECTOR V: TEXTILE MILLS, APPAREL, AND OTHER FABRIC PRODUCT MANUFACTURING FACILITIES

SIC Codes *Description of the Industrial Activity*

2211 – 2299 Textile Mill Products

2311 – 2399 Apparel and Other Finished Products Made From Fabrics and Similar Materials

3131 – 3199 Leather and Leather Products, except Leather Tanning and Finishing (See Sector Z)

(See Part II, Section A.1.b for a detailed list of SIC codes)

2. Limitations on Coverage

Prohibition of Wastewater Discharges. The following discharges are not allowed under this general permit: wastewater resulting from wet processing or from any processes relating to the production; reused or recycled water; and waters used in cooling towers. These types of discharges must be authorized under a separate TPDES permit or other authorized means.

3. Additional SWP3 Requirements

(a) The permittee shall minimize the discharge of pollutants from the following areas:

(1) Material handling areas. The permittee shall plainly label and store all containerized materials (e.g., fuels, petroleum products, solvents, and dyes) in a protected area and away from drains, and shall minimize the potential for stormwater to contact such storage areas. When storing empty chemical drums or containers, the permittee shall ensure that the drums and containers are clean and that there is no contact of residuals with precipitation or runoff, and shall properly collect and dispose of wash water from drum and container cleanings.

(2) Material storage areas

(3) Fueling areas.

(4) Above-Ground Storage Tank areas, including the associated piping and valves.

(b) Employee Training. Employee training must include the following activities, as applicable:

(1) use of reused and recycled waters;

(2) solvents management, proper disposal of dyes;

(3) spill prevention and control;

(4) fueling procedures; and

(5) management and proper disposal of any solvents, petroleum products, spent lubricants, dyes, and other chemicals used at the facility.

(c) Narrative Description. The SWP3 must include a narrative description of all activities and potential sources of pollutants that may reasonably be expected to add significant amounts of pollutants to stormwater discharges from industry specific activities in the SWP3 and including the following: backwinding; beaming; bleaching; backing; bonding carbonizing; carding; cut and sew operations; desizing; drawing; dyeing; flocking; fulling; knitting; mercerizing; opening; packing; plying; scouring; slashing; spinning; synthetic-felt processing; textile waste processing; tufting; turning; weaving; web forming; winging; yarn spinning; and yarn texturing.

(d) Spill Prevention and Response Measures. The SWP3 must include measures to inspect, evaluate, and replace connections, valves, transfer lines and pipes that carry chemicals, dyes, or waste. All chemicals must be stored in a protected area, away from drains, and clearly labeled.

(e) The SWP3 must include specific measures to prevent or minimize contamination of stormwater runoff from above ground storage tank areas.

(f) Routine Facility Inspections. Inspection procedures must be developed according to the standard periodic inspection requirements described in Part III, Section B.2. of this general permit, but must be conducted at least once per month in material storage areas, material transfer lines and areas, spill prevention, good housekeeping practices, management of process waste products, and all structural and non-structural management practices.

Section W. Sector W of Industrial Activity - Wood and Metal Furniture and Fixture Manufacturing Facilities

1. Description of Industrial Activity

The requirements under this section apply to stormwater discharges from activities identified and described as Sector W. There are no additional requirements under this section that apply to stormwater discharges from activities identified and described as Sector W. Sector W industrial activities are described by the following SIC codes:

SECTOR W: FURNITURE AND FIXTURES

SIC Codes *SIC Code Description*

2434 Wood Kitchen Cabinets

2511 – 2599 Furniture and Fixtures

(See Part II, Section A.1.b for a detailed list of SIC codes)

Section X. Sector X of Industrial Activity - Printing and Publishing Facilities

1. Description of Industrial Activity

The requirements under this section apply to stormwater discharges from activities identified and described as Sector X. Sector X industrial activities are described by the following SIC codes:

SECTOR X: PRINTING AND PUBLISHING

SIC Codes	*SIC Code Description*
2711 – 2796	Printing, Publishing, and Allied Industries

(See Part II, Section A.1.b for a detailed list of SIC codes)

2. Covered Stormwater Discharges

Facilities described by any of the SIC codes listed above, that conduct publishing or designing activities without printing, are designated for coverage under this general permit and are not required to submit an NOI for coverage nor an NEC for a no exposure exclusion. These facilities must comply with the following permit requirements and are not subject to additional requirements that are listed in this permit:

(a) The facility must maintain conditions that ensure there is no exposure of industrial activities to stormwater; and

(b) The facility operator must comply with the requirements of Part III, Section E. of this general permit, related to Standard Permit Conditions, except that the operator is not required to submit an NOI or NEC form, prepare a SWP3, or conduct analytical monitoring.

The facility operator must apply for coverage if either of the requirements listed above are not met. If the TCEQ determines that additional controls are required other than those listed above, or if there is a concern regarding the discharge of elevated levels of pollutants, then the TCEQ may require a facility described by SIC codes 2711 – 2796 and that does not have any printing activities to obtain coverage and meet all permit conditions through submittal of an NOI or an individual permit application.

3. Additional SWP3 Requirements

(a) Spill Prevention and Response Measures.

(1) The spill prevention and response measures section of the SWP3 must include measures to inspect, evaluate, and replace connections, valves, transfer lines, and pipes that carry chemicals or wastes.

(2) All chemicals (e.g. fuels, solvents, dyes, inks) must be stored in a protected area, away from drains, and clearly labeled.

(3) The SWP3 must include specific measures to prevent or minimize contamination of stormwater runoff from above ground storage tank areas and fueling areas.

(b) Material Storage Areas. The permittee shall minimize the discharge of pollutants from storage areas for containerized materials (e.g., skids, pallets, solvents, bulk inks, hazardous waste, empty drums, portable and mobile containers of plant debris, wood crates, steel racks, and fuel oil). These materials must be plainly labeled and stored in a protected area, away from drains.

2. Additional SWP3 Requirements

(a) Narrative Description. The SWP3 must include a narrative description that includes a review of the use of any zinc at the facility and possible pathways where zinc could contaminate stormwater runoff.

(b) Good Housekeeping Measures. This section of the SWP3 must include specific measures to minimize potential exposure of pollutants to stormwater. The permittee shall implement BMPs for the control of pollutants at rubber, miscellaneous plastic products, and miscellaneous manufacturing facilities, to prevent the discharge of pollutants in stormwater. Pollutant sources that need to be addressed include activities such as: outdoor material unloading/loading, outdoor material storage, waste management, particulate emission management, material storage, dumpsters, dust collectors or baghouses, grinding operations, zinc stearate coating operations, management, education and training, equipment and facilities, operations, good housekeeping, packaging, shipping, recycling, and waste disposal.

(1) Rubber Manufacturing: The operator of a rubber manufacturing facility shall minimize or prevent the discharge of zinc in stormwater runoff. All rubber manufacturing facilities must include specific BMPs and controls to minimize the contamination of stormwater from the handling and storage of zinc. Potential sources of zinc must be identified and the accompanying BMPs must be evaluated and incorporated into the SWP3 and implemented at the facility (as appropriate);

a. zinc bags must be stored indoors;

b. the permittee shall ensure headspace in containers to minimize "puffing" losses when the containers are opened;

c. where feasible, the permittee shall ensure that there is no exposure of waste disposal dumpsters to stormwater (e.g., store indoors or provide a cover and liner for the dumpster);

d. repair or replace improperly operating dust collectors and baghouses, as appropriate;

e. minimize dust generation from rubber grinding operations;

f. reduce the possible contamination of stormwater by drips and spills of zinc stearate slurry; and

g. identify specific measures for zinc spill cleanup so that the cleanup may be completed without washing the spill into the storm drain.

(2) Plastics Manufacturing: The operator of a plastic products manufacturing facility shall prevent the possibility of discharging plastic materials, including at a minimum virgin and recycled plastic resin pellets, powders, flakes, powdered additives, regrind, scrap, waste, and recycling material, in stormwater discharges from the facility by implementing control measures (or their equivalents). The control measures must include: minimizing spills, cleaning up of spills promptly and thoroughly, sweeping and/or vacuuming thoroughly, capturing pellets, implementing a containment system, designed to trap particles retained, at each on-site storm drain discharge location down gradient of areas containing plastic materials, employee education and training, and using precautions for proper disposal.

(c) The SWP3 must include a narrative description of all activities and potential sources of pollutants that may reasonably be expected to add significant amounts of pollutants to stormwater discharges from industry specific activities, including blanket wash and solvent mixing operations in the SWP3 as well as the containment area(s) or enclosures for materials that are stored outdoors.

(d) Material Handling Area. Minimize contamination of stormwater runoff from material handling operations and areas (e.g., blanket wash, mixing solvents, loading and unloading materials). Consider the following (or their equivalents): using spill and overflow protection, covering fueling areas, and covering or enclosing areas where the transfer of materials may occur. When applicable, address the replacement or repair of leaking connections, valves, transfer lines, and pipes that may carry chemicals or wastewater.

(e) Employee Training. The program must include training in the management and disposal of any solvents, other petroleum products, dyes, other chemicals used at the facility, and general good housekeeping practices. These requirements are in addition to the SWP3 requirements in Part III, Section A.4 of this permit.

Section Y. Sector Y of Industrial Activity - Rubber and Miscellaneous Plastic Products, and Miscellaneous Manufacturing Facilities

1. Description of Industrial Activity

The requirements under this section apply to stormwater discharges from activities identified and described as Sector Y. Sector Y industrial activities are described by the following SIC codes:

SECTOR Y: RUBBER, MISCELLANEOUS PLASTIC PRODUCTS, AND MISCELLANEOUS MANUFACTURING FACILITIES

SIC Codes	*SIC Code Description*
3011	Tires and Inner Tubes
3021	Rubber and Plastics Footwear
3052, 3053	Gaskets, Packing, and Sealing Devices and Rubber and Plastics Hose and Belting
3061, 3069	Fabricated Rubber Products, Not Elsewhere Classified
3081 – 3089	Miscellaneous Plastics Products
3931	Musical Instruments
3942 – 3949	Dolls, Toys, Games and Sporting and Athletic Goods
3951 – 3955,	except 3952 (see Sector C) - Pens, Pencils, and Other Artists' Materials (except certain inks and paints as specified in Sector C)
3961, 3965	Costume Jewelry, Costume Novelties, Buttons, and Miscellaneous Notions, Except Precious Metal
3991 – 3999	Miscellaneous Manufacturing Industries

(See Part II, Section A.1.b for a detailed list of SIC codes)

3. Benchmark Monitoring Requirements

The following subsections must conduct benchmark monitoring according to the requirements in Part IV of this general permit and conduct evaluations on the effectiveness of the facility SWP3 based on the following benchmark values:

Table 33. Benchmark Monitoring Requirements for Subsections in Sector Y

SIC Code	Description of Industrial Activity	Benchmark Parameter	Benchmark Value
3011	Tires and Inner Tubes	Zinc, total	0.16 mg/L
3021	Rubber and Plastics Footwear	Zinc, total	0.16 mg/L
3052, 3053	Gaskets, Packing, and Sealing Devices; and Rubber and Plastics Hose and Belting	Zinc, total	0.16 mg/L
3061	Molded, Extruded, and Lathe-Cut Mechanical Rubber Goods	Zinc, total	0.16 mg/L
3069	Fabricated Rubber Products, Not Elsewhere Classified	Zinc, total	0.16 mg/L

Section Z. Sector Z of Industrial Activity - Leather Tanning and Finishing Facilities

1. Description of Industrial Activity

The requirements under this section apply to stormwater discharges from activities identified and described as Sector Z. Sector Z industrial activities are described by the following SIC codes:

SECTOR Z: LEATHER TANNING AND FINISHING

SIC Codes	*SIC Code Description*
3111	Leather Tanning and Finishing

(See Part II, Section A.1.b for a detailed list of SIC codes)

2. Additional SWP3 Requirements

(a) Drainage Area Site Map. The drainage area site map must clearly show the location of the following activities, if these activities are exposed to stormwater: processing and storage areas of the beam house, tan yard and re-tan wet and dry finishing operations; haul roads; access roads; and rail spurs.

(b) Potential Pollutant Sources. Document the following sources and activities that have potential pollutants associated with them in the SWP3 (as appropriate): temporary or permanent storage of fresh and brine-cured hides; extraneous hide substances and hair; leather dust, scraps, trimmings, and shavings.

(c) Good Housekeeping Measures. The following requirements are in addition to the requirements in Part III, Section A.4. of this general permit, related to Pollution Prevention Measures and Controls. The permittee shall minimize the contact of

stormwater from the following areas or materials, in order to reduce the potential to discharge contaminated stormwater:

(1) Storage areas for raw, semi-processed, or finished tannery by-products, including pallets and bales of raw, semi-processed or finished tannery by-products.

(2) Buffing and shaving areas.

(3) Receiving, unloading, and storage areas, if these areas are exposed.

(4) Outdoor storage of contaminated equipment.

(5) Waste Management Areas.

(d) Labeling. The permittee shall also label storage containers of all materials (e.g., specific chemicals, hazardous materials, spent solvents, waste materials).

Section AA. Sector AA of Industrial Activity - Fabricated Metal Products Facilities

1. Description of Industrial Activity

The requirements under this section apply to stormwater discharges from activities identified and described as Sector AA. Sector AA industrial activities are described by the following SIC codes:

SECTOR AA: FABRICATED METAL PRODUCTS FACILITIES

SIC Code *SIC Code Description*

3411 – 3499 Fabricated Metal Products, Except Machinery and Transportation Equipment

3911 – 3915 Jewelry, Silverware, and Plated Ware

(See Part II, Section A.1.b for a detailed list of SIC codes)

2. Pollution Prevention Measures and Controls

The following requirements are in addition to the requirements listed in Part III of this general permit.

(a) Good Housekeeping Measures. In addition to the Pollution Prevention Measures and Controls SWP3 requirements in Part III, Section A.4. of this general permit, the permittee must implement the following control measures, and must document in the SWP3 the measures being used for each measure. This section of the SWP3 must also define practices to prevent or minimize exposure of stormwater to metal fines and iron dust, solvents and paints, and also from sand where sandblasting operations are conducted.

(1) Raw Steel Handling Storage. Minimize the generation of or recover and properly manage scrap metals, fines, and iron dust. Include measures for containing materials within storage handling areas.

(2) Paints and Painting Equipment. Minimize exposure of paint and painting equipment to stormwater.

(b) Spill Prevention and Response Procedures. Ensure that the necessary equipment to implement a cleanup is available to personnel by addressing the following areas:

(1) Metal Fabricating Areas. Maintain clean, dry, orderly conditions in these areas.

(2) Storage Areas for Raw Metal. Keep these areas free of conditions that could cause, or impede appropriate and timely response to, spills or leakage of materials.

(3) Metal Working Fluid Storage Areas. Minimize the potential for stormwater contamination from storage areas for metal working fluids.

(4) Cleaners and Rinse Water. Control and clean up spills of solvents and other liquid cleaners, control sand buildup and disbursement from sand-blasting operations, and prevent exposure of recyclable wastes. Substitute environmentally benign cleaners when possible.

(5) Lubricating Oil and Hydraulic Fluid Operations. Minimize the potential for stormwater contamination from lubricating oil and hydraulic fluid operations. Consider using monitoring equipment or other devices to detect and control leaks and overflows. Consider installing perimeter controls such as dikes, curbs, grass filter strips, or equivalent measures.

(6) Chemical Storage Areas. Minimize stormwater contamination and accidental spillage in chemical storage areas. Include a program to inspect containers and identify proper disposal methods.

(c) Additional SWP3 Requirements

(1) Site Map. Document in the SWP3 where any of the following may be exposed to stormwater: raw metal storage areas; finished metal storage areas; scrap disposal collection sites; equipment storage areas; retention and detention basins; temporary and permanent diversion dikes or berms; right-of-way or perimeter diversion devices; sediment traps and barriers; processing areas, including outside painting areas; wood preparation; recycling; and raw material storage.

(2) Potential Pollutant Sources. Document in the SWP3 the following additional sources and activities that have potential pollutants associated with them: loading and unloading operations for paints, chemicals, and raw materials; outdoor storage activities for raw materials, paints, empty containers, corn cobs, chemicals, and scrap metals; outdoor manufacturing or processing activities such as grinding, cutting, degreasing, buffing, and brazing; onsite waste disposal practices for spent solvents, sludge, pickling baths, shavings, ingot pieces, and refuse and waste piles.

(d) Additional Inspection Requirements

(1) Inspection procedures must be developed according to the standard periodic inspection requirements described in Part III, Section B. of this general permit and conducted at least once per quarter in the following areas:

a. raw metal storage areas;

b. finished product storage areas;

c. material and chemical storage areas;

d. recycling areas;

e. loading and unloading areas;

f. equipment storage areas;

g. paint areas; and

h. vehicle fueling and maintenance areas.

(2) Comprehensive Site Inspections. As part of the annual comprehensive site compliance evaluation in Part III, Section B.5., the permittee must inspect areas associated with the storage of raw metals, spent solvents and chemicals storage areas, outdoor paint areas, and drainage from roof. Potential pollutants include chromium, zinc, lubricating oil, solvents, aluminum, oil and grease, methyl ethyl ketone, steel, and related materials.

3. Benchmark Monitoring Requirements

The following subsections must conduct benchmark monitoring according to the requirements in Part IV of this general permit and conduct evaluations on the effectiveness of the facility SWP3 based on the following benchmark values:

Table 34. Benchmark Monitoring Requirements for Subsections in Sector AA

SIC Code	Description of Industrial Activity	Benchmark Parameter	Benchmark Value
3411-3499 3911-3915	Fabricated Metal Products Except Coating	Aluminum, total Iron, total Zinc, total Nitrate + Nitrite N TSS	1.2 mg/L 1.3 mg/L 0.16 mg/L 0.68 mg/L 50 mg/L
3479	Fabricated Metal Coating and Engraving	Zinc, total Nitrate + Nitrite N	0.16 mg/L 0.68 mg/L

Section AB. Sector AB of Industrial Activity - Transportation Equipment and Industrial or Commercial Machinery Manufacturing Facilities

1. Description of Industrial Activity

The requirements under this section apply to stormwater discharges from activities identified and described as Sector AB. Sector AB industrial activities are described by the following SIC codes:

SECTOR AB: TRANSPORTATION EQUIPMENT, INDUSTRIAL OR COMMERCIAL MACHINERY MANUFACTURING FACILITIES

SIC Codes *Description of the Industrial Activity*

3511 – 3599, except 3571 – 3579 (see Sector AC) - Industrial and Commercial Machinery, except Computer and Office Equipment (see Sector AC)

3711 – 3799, except 3731, 3732 (see Sector R) - Transportation Equipment, except Ship and Boat Building and Repairing (see Sector R)

(See Part II, Section A.1.b for a detailed list of SIC codes)

2. Additional SWP3 Requirements

Drainage Area Site Map. The site map must clearly show the location of vents and stacks from metal processing and similar areas.

Section AC. Sector AC of Industrial Activity – Electronic and Electrical Equipment/ Components, and Photographic/ Optical Goods Manufacturing Facilities

1. Description of Industrial Activity

There are no additional requirements under this section that apply to stormwater discharges from activities identified and described as Sector AC. Sector AC industrial activities are described by the following SIC codes:

SECTOR AC: ELECTRONIC, ELECTRICAL, PHOTOGRAPHIC, AND OPTICAL GOODS

SIC Codes *Description of the Industrial Activity*

3571 – 3579 Computer and Office Equipment

3612 – 3699 Electronic, Electrical Equipment and Components, except Computer Equipment

3812 – 3873 Measuring, Analyzing and Controlling Instrument; Photographic and Optical Goods

(See Part II, Section A.1.b for a detailed list of SIC codes)

Section AD. Sector AD of Industrial Activity - Miscellaneous Industrial Activities

1. Description of Industrial Activity

The requirements under this section apply to stormwater discharges from activities identified and described as Sector AD. Sector AD industrial activities are described by the following Industrial Activity Code:

SECTOR AD: MISCELLANEOUS INDUSTRIAL ACTIVITIES

Activity Codes and Description of the Industrial Activity

Limited to facilities that are designated by the executive director as needing a permit to control pollution related to stormwater discharges and that do not meet the description of an industrial activity covered by Sectors A-AC

2. Limitations on Permit Coverage

(a) Facilities may not request general permit coverage under Sector AD. Coverage under this sector is reserved for those facilities that are designated by the executive director as eligible for coverage under this sector of this general permit. The executive director may designate a facility based on site specific considerations such as water quality impacts. A designation may be made based on information obtained during a site inspection or other means, if it is determined that the discharge would be appropriately regulated under this general permit rather than an individual stormwater permit.

(b) Facilities that are determined by the executive director to need controls in addition to the requirements in Part II and Part III of this general permit will be required to obtain an individual TPDES permit.

3. SWP3 and Other Requirements

The permittee must implement the controls and measures described in Part III of this general permit for all regulated areas of the facility.

4. Co-located Activities

Where co-located industrial activities occur (refer to Part II, Section A.3. of this general permit), the additional conditions and requirements in Part V of this general permit for each of these activities also apply.

5. Benchmark Monitoring Requirements

All facilities authorized under this section must conduct benchmark monitoring according to the requiregdments in Part IV of this general permit and conduct evaluations on the effectiveness of the facility SWP3 based on the following benchmark values:

Table 35. Benchmark Monitoring Requirements for Sector AD

Activity Code	Description of Industrial Activity	Benchmark Parameter	Benchmark Value
AD	Miscellaneous Industrial Activities	pH TSS COD Oil and Grease	6.0-9.0 S.U. 100 mg/L 60 mg/L 10 mg/L

Appendix B – Permit Documents

NOI
Signatory Authority
TCEQ Acknowledgement Letter
Non-Storm Water Discharge Certification
Other Correspondence

Confirmation No. 48726T

Texas Commission on Environmental Quality

Industrial Notice Of Intent

Site Information (Regulated Entity)

What is the name of the site to be authorized?	City of Harker Heights Wastewater Treatment Plant
Does the site have a physical address?	Yes
Physical Address	
Number and Street	430 Pecan Drive
City	Harker Heights
State	TX
ZIP	76548
County	BELL
Latitude (N) (##.######)	31.091892
Longitude (W) (-###.######)	-97.655892
Primary SIC Code	4952
Secondary SIC Code	
Primary NAICS Code	221320
Secondary NAICS Code	
Regulated Entity Site Information	
What is the Regulated Entity's Number (RN)?	RN101920395
What is the name of the Regulated Entity (RE)?	CITY OF HARKER HEIGHTS WWTP
Does the RE site have a physical address?	Yes
Physical Address	
Number and Street	430 PECAN DR
City	HARKER HEIGHTS
State	TX
ZIP	76548
County	BELL
Latitude (N) (## ######)	
Longitude (W) (-### ######)	
Facility NAICS Code	221320
What is the primary business of this entity?	DOMESTIC

Customer (Applicant) Information

How is this applicant associated with this site?	Operator
What is the applicant's Customer Number (CN)?	CN600509277
Type of Customer	Other Government
Full legal name of the applicant	
Legal Name	City of Harker Heights
Texas SOS Filing Number	
Federal Tax ID	
State Franchise Tax ID	
State Sales Tax ID	
Local Tax ID	
DUNS Number	

Number of Employees	
Independently Owned and Operated?	Yes
I certify that the full legal name of the entity applying for this permit has been provided and is legally authorized to do business in Texas.	Yes
Responsible Authority Contact	
Organization Name	City of Harker Heights
Prefix	MR
First	Mark
Middle	
Last	Hyde
Suffix	
Credentials	
Title	Public Works Director
Responsible Authority Mailing Address	
Enter new address or copy one from list:	
Address Type	Domestic
Mailing Address (include Suite or Bldg. here, if applicable)	305 MILLERS XING
Routing (such as Mail Code, Dept., or Attn:)	
City	HARKER HEIGHTS
State	TX
ZIP	76548
Phone (###-###-####)	2549535641
Extension	
Alternate Phone (###-###-####)	2547024411
Fax (###-###-####)	
E-mail	mhyde@harkerheights.gov

Billing Contact

Responsible contact for receiving billing statements:	
Select the permittee that is responsible for payment of the annual fee.	CN600509277, City of Harker Heights
Organization Name	City of Harker Heights
Prefix	MR
First	Mark
Middle	
Last	Hyde
Suffix	
Credentials	
Title	
Enter new address or copy one from list:	
Mailing Address	
Address Type	Domestic
Mailing Address (include Suite or Bldg. here, if applicable)	305 MILLERS XING
Routing (such as Mail Code, Dept., or Attn:)	
City	HARKER HEIGHTS
State	TX
ZIP	76548

Phone (###-###-####)	2549535641
Extension	
Alternate Phone (###-###-####)	2547024411
Fax (###-###-####)	
E-mail	mhyde@harkerheights.gov

Application Contact

Person TCEQ should contact for questions about this application:	
Same as another contact?	Billing Contact
Organization Name	City of Harker Heights
Prefix	MR
First	Mark
Middle	
Last	Hyde
Suffix	
Credentials	
Title	Public Works Director
Enter new address or copy one from list:	
Mailing Address:	
Address Type	Domestic
Mailing Address (include Suite or Bldg. here, if applicable)	305 MILLERS XING
Routing (such as Mail Code, Dept., or Attn:)	
City	HARKER HEIGHTS
State	TX
ZIP	76548
Phone (###-###-####)	2549535641
Extension	
Alternate Phone (###-###-####)	2547024411
Fax (###-###-####)	
E-mail	mhyde@harkerheights.gov

DMR Contact

Person responsible for submitting Discharge Monitoring Report Forms:	
Same as another contact?	Application Contact
Organization Name	City of Harker Heights
Prefix	MR
First	Mark
Middle	
Last	Hyde
Suffix	
Credentials	
Title	Public Works Director
Enter new address or copy one from list:	
Mailing Address:	
Address Type	Domestic

Mailing Address (include Suite or Bldg. here, if applicable)	305 MILLERS XING
Routing (such as Mail Code, Dept., or Attn:)	
City	HARKER HEIGHTS
State	TX
ZIP	76548
Phone (###-###-####)	2549535641
Extension	
Alternate Phone (###-###-####)	2547024411
Fax (###-###-####)	
E-mail	mhyde@harkerheights.gov

INOI General Characteristics

1) Is the project located on Indian Country Lands?	No
2) What is the Sector(s) that applies to the industrial activity at your facility?	T
3) If applicable, select the Activity Code(s) that corresponds with the Sector.	TW
4) Are the discharges at your facility subjected to federal effluent limitation guidelines?	No
5) Is your facility implementing a waiver from Hazardous Metals Monitoring?	No
6) What is the Primary SIC Code that is within the range listed and corresponds with the selected Activity or Sector in the general permit?	9511
7) If applicable, what is the Secondary SIC Code(s)?	4952
8) Is the discharge into an MS4?	Yes
8.1. What is the name of the MS4 Operator?	City of Harker Heights
9) Is the discharge or potential discharge within the Recharge Zone, Contributing zone, or Contributing zone within the Transition zone of the Edwards Aquifer, as defined in 30 TAC Chapter 213?	No
10) Is your facility presently inactive and unstaffed?	No
11) I certify that a Stormwater Pollution Prevention Plan has been prepared and implemented as required in the general permit.	Yes
12) I certify that I have obtained a copy and understand the terms and conditions of the Multi Sector General Permit (TXR050000)	Yes
13) I understand that permits active on September 1 of each year will be assessed an Annual Water Quality fee in the amount specified in the Multi Sector General Permit.	Yes
14) I understand that I must terminate this permit when it is no longer needed.	Yes

Section 1 Outfalls

Outfall#: 1

What is the outfall number?	001

What is the latitude for this outfall? Latitude (N) (##.######)	31.091082
What is the longitude for this outfall? Longitude (W) (-###.######)	-97.654184
What is the name of the first water body to receive the discharge?	Nolan Creek
What is the segment number of the classified water body that the discharge will eventually reach?	1218 - Nolan Creek/ South Nolan Creek
Does this outfall discharge directly into a water body that is either identified on the latest EPA-approved Clean Water Act (CWA) Section 303(d) List, the Texas Integrated Report of Surface Water Quality for CWA Sections 305(b) and 303(d), or is covered by an EPA approved TMDL?	Yes
Select all applicable pollutants of concern present at a level of concern in the discharge.	Bacteria in Freshwater
Does this outfall discharge to Marine water or Freshwater?	Freshwater

Outfall#: 2

What is the outfall number?	002
What is the latitude for this outfall? Latitude (N) (##.######)	31.091205
What is the longitude for this outfall? Longitude (W) (-###.######)	-97.65443
What is the name of the first water body to receive the discharge?	Nolan Creek
What is the segment number of the classified water body that the discharge will eventually reach?	1218 - Nolan Creek/ South Nolan Creek
Does this outfall discharge directly into a water body that is either identified on the latest EPA-approved Clean Water Act (CWA) Section 303(d) List, the Texas Integrated Report of Surface Water Quality for CWA Sections 305(b) and 303(d), or is covered by an EPA approved TMDL?	Yes
Select all applicable pollutants of concern present at a level of concern in the discharge.	Bacteria in Freshwater
Does this outfall discharge to Marine water or Freshwater?	Freshwater

Outfall#: 3

What is the outfall number?	003
What is the latitude for this outfall? Latitude (N) (##.######)	31.09138
What is the longitude for this outfall? Longitude (W) (-###.######)	-97.655235
What is the name of the first water body to receive the discharge?	Nolan Creek
What is the segment number of the classified water body that the discharge will eventually reach?	1218 - Nolan Creek/ South Nolan Creek
Does this outfall discharge directly into a water body that is either identified on the latest EPA-approved Clean Water Act (CWA) Section 303(d) List, the Texas Integrated Report of Surface Water Quality for CWA Sections 305(b) and 303(d), or is covered by an EPA approved TMDL?	Yes

Select all applicable pollutants of concern present at a level of concern in the discharge.	Bacteria in Freshwater
Does this outfall discharge to Marine water or Freshwater?	Freshwater

Certification

I certify that I am authorized under 30 Texas Administrative Code Subchapter 305.44 to sign this document and can provide documentation in proof of such authorization upon request.

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

1. I am Michael D Blomquist, the owner of the STEERS account ER099493.
2. I have the authority to sign this data on behalf of the applicant named above.
3. I have personally examined the foregoing and am familiar with its content and the content of any attachments, and based upon my personal knowledge and/or inquiry of any individual responsible for information contained herein, that this information is true, accurate, and complete.
4. I further certify that I have not violated any term in my TCEQ STEERS participation agreement and that I have no reason to believe that the confidentiality or use of my password has been compromised at any time.
5. I understand that use of my password constitutes an electronic signature legally equivalent to my written signature.
6. I also understand that the attestations of fact contained herein pertain to the implementation, oversight and enforcement of a state and/or federal environmental program and must be true and complete to the best of my knowledge.
7. I am aware that criminal penalties may be imposed for statements or omissions that I know or have reason to believe are untrue or misleading.
8. I am knowingly and intentionally signing Industrial Notice Of Intent.
9. My signature indicates that I am in agreement with the information on this form, and authorize its submittal to the TCEQ.

OPERATOR Signature: Michael D Blomquist OPERATOR

Account Number:	ER099493
Signature IP Address:	67.79.126.35
Signature Date:	2023-08-31
Signature Hash:	0F1EE9DEE86043DC7DC88275156AED32A11451C7E89D4032748A11DD86651E8C
Form Hash Code at time of Signature:	5BE7518F2F0DD0DD2C99E6AA62470DD941961E5330C89D3DA7E5D41D6D4F9602

Fee Payment

Transaction by:	The application fee payment transaction was made by ER099493/Michael D Blomquist
Paid by:	The application fee was paid by MARK HYDE
Fee Amount:	$100.00
Paid Date:	The application fee was paid on 2023-08-31
Transaction/Voucher number:	The transaction number is 582EA000066705 and the voucher number is 659115

Submission

Reference Number:	The application reference number is 542680
Submitted by:	The application was submitted by ER099493/Michael D Blomquist
Submitted Timestamp:	The application was submitted on 2023-08-31 at 16:45:21 CDT

Submitted From	The application was submitted from IP address 67.79.126.35
Confirmation Number	The confirmation number is 487267
Steers Version	The STEERS version is 6.69

Additional Information

Application Creator: This account was created by Mark Hyde

Confirmation No. 487262

Texas Commission on Environmental Quality

Delegation of Signatories - MSGP

multiple

Section 1# Site Information

Site Info#: 1

Authorization Number, Site Name, Regulated Entity Number, Regulated Entity Name, Physical Location	**TXRNEAD82|WASTEWATER TREATMENT PLANT|RN101920395|CITY OF HARKER HEIGHTS WWTP|430 PECAN DR HARKER HEIGHTS, TX, 76548**

Customer (Applicant) Information

How is this applicant associated with this site?	**Operator**
What is the applicant's Customer Number (CN)?	**CN600509277**
Type of Customer	**Other Government**
Full legal name of the applicant:	
Legal Name	**City of Harker Heights**
Texas SOS Filing Number	
Federal Tax ID	
State Franchise Tax ID	
State Sales Tax ID	
Local Tax ID	
DUNS Number	
Number of Employees	
Independently Owned and Operated?	Yes

Section 1# Delegated Information

Delegation#: 1

1 Position	**Director of Public Works**
2 Name	**Mark Hyde**
3 I certify that the person/title above is a duly authorized representative described in 30 TAC 305.128	**Yes**

Delegation#: 2

1 Position	**Wastewater Superintendent**
2 Name	**Billy Cude**
3 I certify that the person/title above is a duly authorized representative described in 30 TAC 305.128	**Yes**

Delegation#: 3

1 Position	**Assistant Plant Operator**
2 Name	**Leslie Stevens**
3 I certify that the person/title above is a duly authorized representative described in 30 TAC 305.128	**Yes**

Certification

1 I understand that this authorization does not extend to the signing of a Notice of Intent, No Exposure Certification, Notice of Change, or Notice of Termination for obtaining coverage under a stormwater general permit.	Yes

Delegation Application Contact

Person TCEQ should contact for questions about this application:

1 Organization Name	Thonhoff Consulting Engineers Inc
2 Prefix	
3 First	Robert
4 Middle	
5 Last	Thonhoff
6 Suffix	
7 Credentials	PE
8 Title	Engineer
Mailing Address	
9 Address Type	Domestic
9.1 Mailing Address (include Suite or Bldg. here, if applicable)	1301 Capital of Texas Highway South
9.2 Routing (such as Mail Code, Dept., or Attn:)	Suite A-230
9.3 City	Austin
9.4 State	TX
9.5 ZIP	78746
10 Phone (###-###-####)	5123286736
11 Extension	
12 Alternate Phone (###-###-####)	5129405050
13 Fax (###-###-####)	5123286848
14 Email	blthonhoff@tcatx.com

Certification

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

I certify that I am authorized under 30 Texas Administrative Code 305.44 to sign this document and can provide documentation in proof of such authorization upon request.

1. I am Michael D Blomquist, the owner of the STEERS account ER099493.
2. I have the authority to sign this data on behalf of the applicant named above.
3. I have personally examined the foregoing and am familiar with its content and the content of any attachments, and based upon my personal knowledge and/or inquiry of any individual responsible for information contained herein, that this information is true, accurate, and complete.
4. I further certify that I have not violated any term in my TCEQ STEERS participation agreement and that I have no reason to believe that the confidentiality or use of my password has been compromised at any time.
5. I understand that use of my password constitutes an electronic signature legally equivalent to my written signature.
6. I also understand that the attestations of fact contained herein pertain to the implementation, oversight and enforcement of a state and/or federal environmental program and must be true and complete to the best of my knowledge.
7. I am aware that criminal penalties may be imposed for statements or omissions that I know or have reason to believe are untrue or misleading.
8. I am knowingly and intentionally signing Delegation of Signatories - MSGP multiple.
9. My signature indicates that I am in agreement with the information on this form, and authorize its submittal to the TCEQ.

OPERATOR Signature: Michael D Blomquist OPERATOR

Customer Number:	CN600509277
Legal Name:	City of Harker Heights
Account Number:	ER099493

Signature IP Address	67.79.126.35
Signature Date	2023-08-31
Signature Hash	0F1EE9DEE36043DC7DC38275159AED32A11451C7E69D4032748A11DDB6651E8C
Form Hash Code at time of Signature	589DCADF94137360687864D89011B192176EF98D71E5BBE361745B48ADDA91EC

Submission

Reference Number:	The application reference number is 587831
Submitted by	The application was submitted by ER099493/Michael D Blomquist
Submitted Timestamp	The application was submitted on 2023-08-31 at 16:38:58 CDT
Submitted From	The application was submitted from IP address 67.79.126.35
Confirmation Number	The confirmation number is 487262
Steers Version	The STEERS version is 6.69

Additional Information

Application Creator: This account was created by Cari Harrington

Non-Stormwater Discharges: Evaluation Summary

Date of Investigation:

Outfalls or Onsite Discharge Points Observed

Outfall Name	Outfall Location
Outfall 1	Northeast edge of property
Outfall 2	Southeast edge of property
Outfall 3	South culvert near roadway

Identified Non-Stormwater Discharges

Approved by Permit?	Source Location	Corrective Action Taken or BMPs Used
	None	NA

Description of the Investigation and Portions of the Storm Sewer Observed

All uncovered treatment units capture stormwater as influent. All structures are free of leaks or cracks.

All process chemicals utilized at the facility are stored under cover.

Drains and sumps are in working order.

All waste receptacles are covered with no leaks, spills or overflows observed.

Vegetation is being maintained, no erosion observed.

No offsite tracking on roadways.

Non-Stormwater Discharges: Certification

TXR050000 Part III Section B.1 and 30 TAC 305.128

The facility's storm sewer system has been evaluated for the presence of non-stormwater discharges and the discharge of non-permitted, non-stormwater does not occur.

The attached evaluation summary documents:

- How the evaluation was conducted
- Dates and results of any evaluations or tests
- Any discharges identified
- Locations of outfalls and onsite discharges
- Portions of the storm sewer system observed during the inspection

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

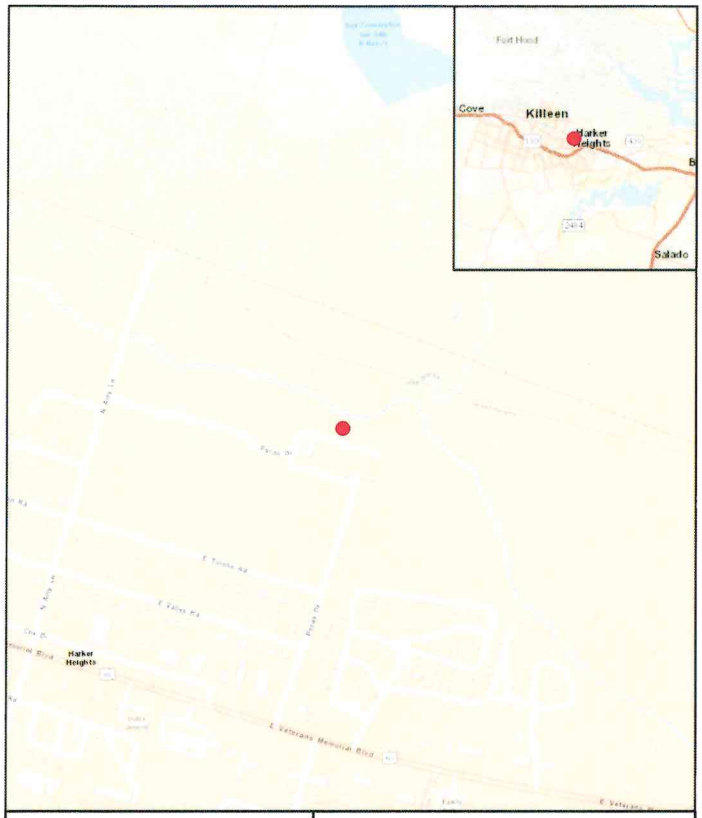
Signature: Michael D. Blomquist Date: 09-14-23

Print Name: Michael D. Blomquist

Job Title: Mayor

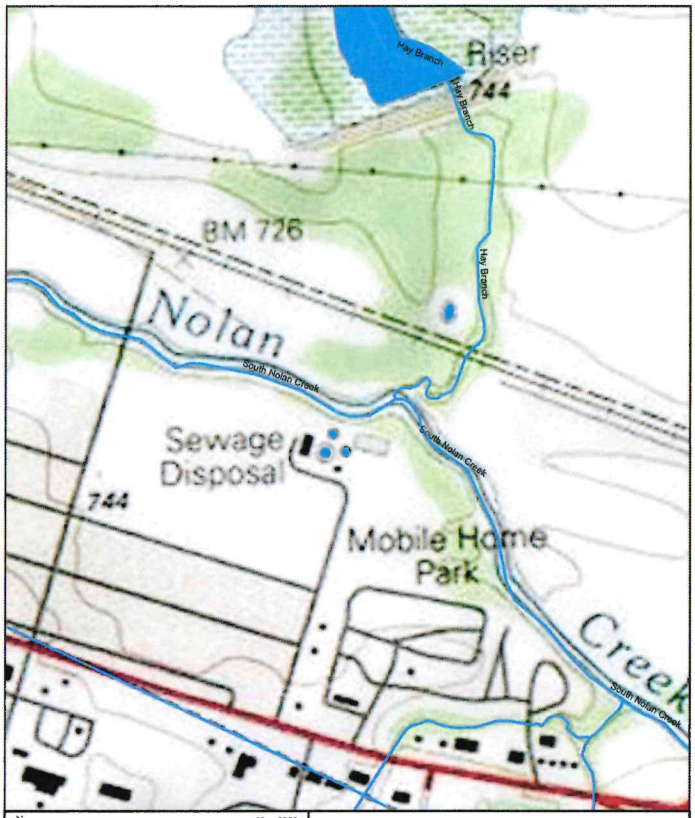
Appendix C – Site Maps

Location
Site Plans
Grading Plan
Topography
Drainage
Floodplain



GENERAL LOCATION MAP
CITY OF HARKER HEIGHTS WWTP
430 Pecan Drive
Harker Heights, TX 76548
Intended for use with SWPPP
May 2023

THONHOFF CONSULTING ENGINEERS, INC.
MUNICIPAL • ENVIRONMENTAL • WATER & WASTEWATER
FIRM REGISTRATION NO. F-002921
1301 CAPITAL OF TEXAS HWY, SOUTH SUITE A-236 AUSTIN, TX 78746
(512) 328-6736 FAX (512) 328-6848



N
TOPOGRAPHIC MAP May 2023
CITY OF HARKER HEIGHTS WWTP
430 Pecan Drive
Harker Heights, TX 76548
0 250 500 Feet
Intended for use with SWPPP
Source: USGS Topo Map Service & USGS NHD

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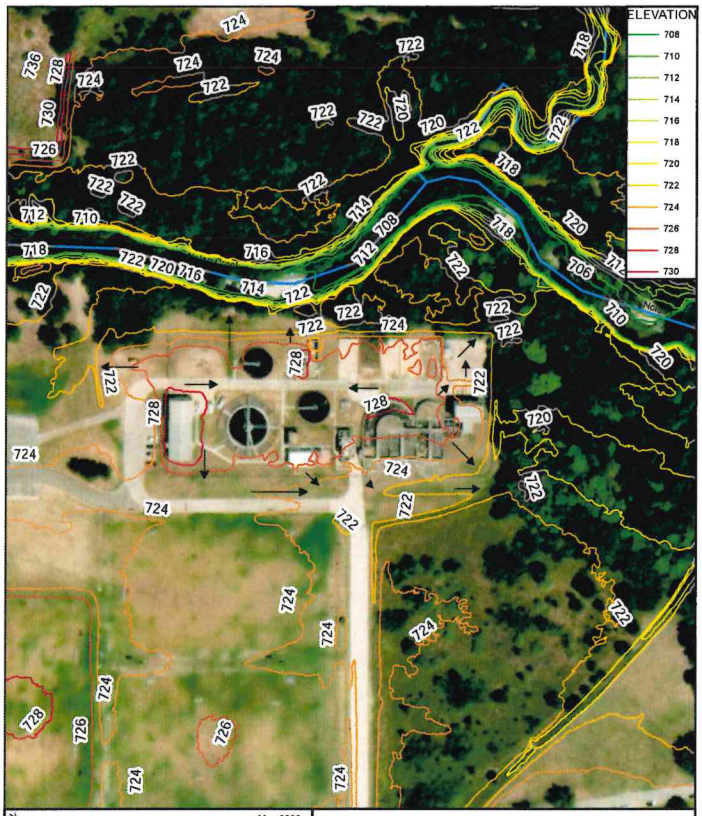
(512) 328-6736 FAX (512) 328-6848



N
DRAINAGE AREA May 2023
CITY OF HARKER HEIGHTS WWTP
430 Pecan Drive
Harker Heights, TX 76548
0 75 150 Feet
Intended for use with SWPPP
Source: Stratmap 2020
2 FT elevations

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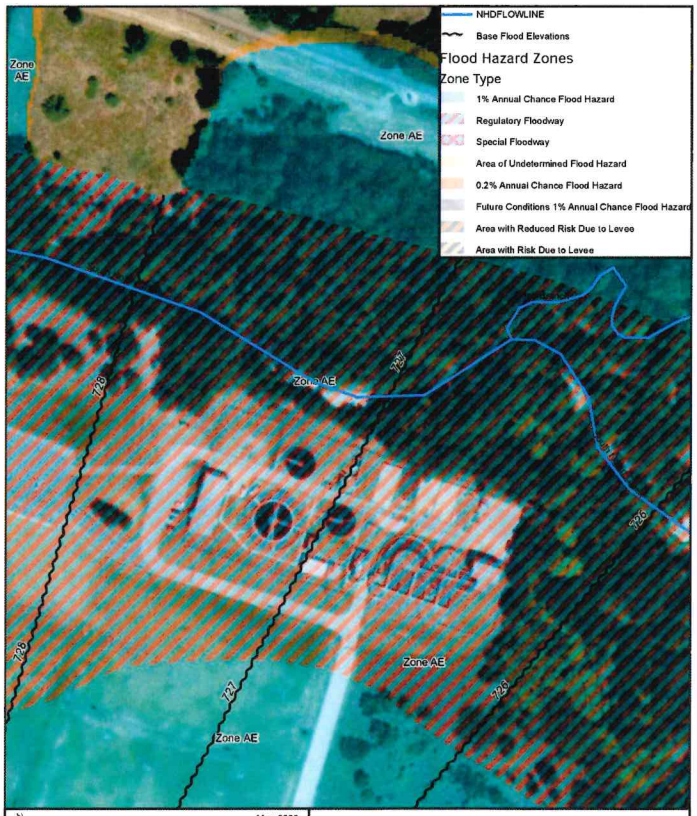
(512) 328-6736 FAX (512) 328-6848



N
FLOODPLAIN MAP May 2023
CITY OF HARKER HEIGHTS WWTP
430 Pecan Drive
Harker Heights, TX 76548
0 75 150 Feet
Intended for use with SWPPP
Source: FEMA NFHL Map Service & USGS NHD

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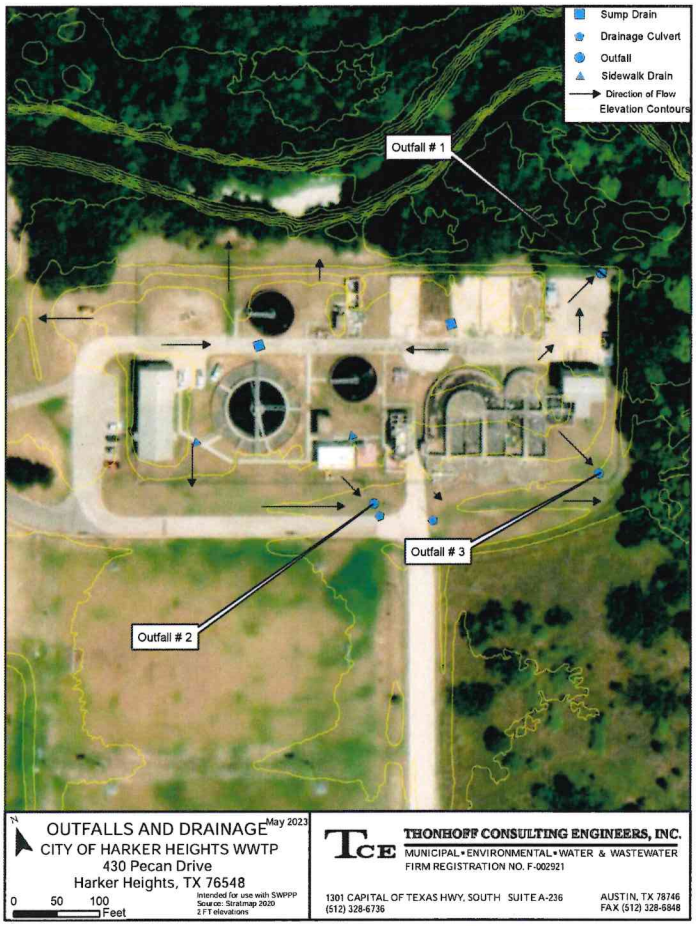
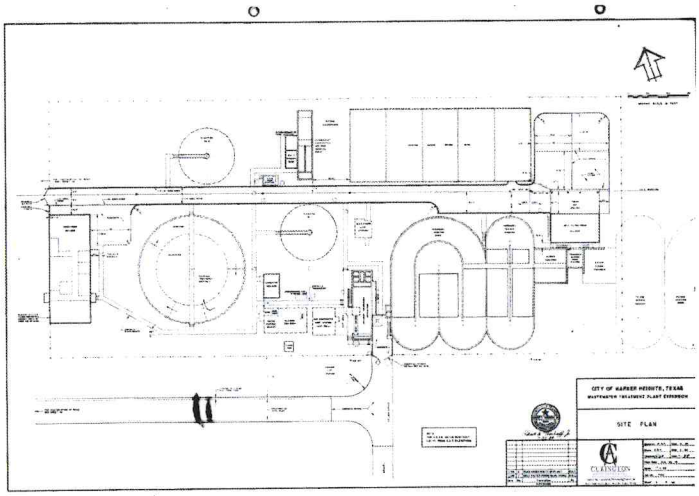
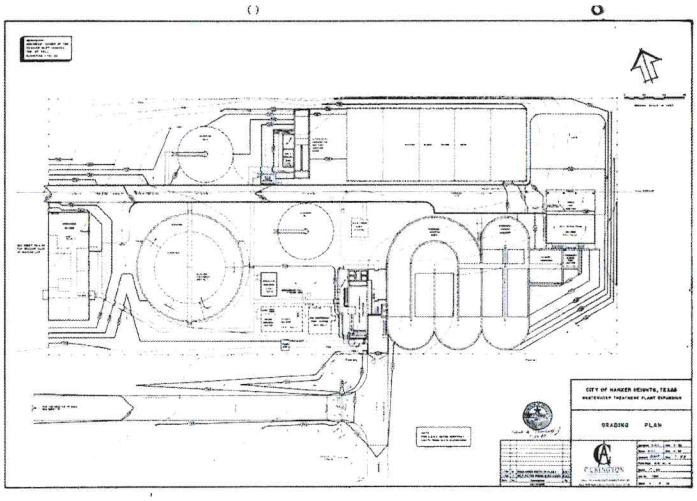
(512) 328-6736 FAX (512) 328-6848


Freshwater Emergent Wetland
Freshwater Forested/Shrub Wetland
Freshwater Pond
Lake
Riverine
Riverine
Freshwater Forested/Shrub Wetland
Riverine
Freshwater Forested/Shrub Wetland
Freshwater Forested/Shrub Wetland
N
WETLANDS
May 2023
CITY OF HARKER HEIGHTS WWTP
430 Pecan Drive
Harker Heights, TX 76548
0 75 150 300
Feet
Intended for use with SWPPP
Source: USFWS National Wetlands Inventory
TCE
THONHOFF CONSULTING ENGINEERS, INC.
MUNICIPAL • ENVIRONMENTAL • WATER & WASTEWATER
FIRM REGISTRATION NO. F-002921
1301 CAPITAL OF TEXAS HWY, SOUTH SUITE A-236
AUSTIN, TX 78746
(512) 328-6736
FAX (512) 328-6848


Sump Drain
Drainage Culvert
Outfall
Sidewalk Drain
Direction of Flow
Elevation Contours
Outfall # 1
Outfall # 3
Outfall # 2
N
OUTFALLS AND DRAINAGE
May 2023
CITY OF HARKER HEIGHTS WWTP
430 Pecan Drive
Harker Heights, TX 76548
0 50 100
Feet
Intended for use with SWPPP
Source: Stratmap 2020
2 FT elevations
TCE
THONHOFF CONSULTING ENGINEERS, INC.
MUNICIPAL • ENVIRONMENTAL • WATER & WASTEWATER
FIRM REGISTRATION NO. F-002921
1301 CAPITAL OF TEXAS HWY, SOUTH SUITE A-236
AUSTIN, TX 78746
(512) 328-6736
FAX (512) 328-6848


SITE PLAN


GRADING PLAN

Appendix D - Compliance Records

SWP3 Compliance Checklist
Employee Training Log
Employee Education Log
Annual Comprehensive Site Report
Non-Stormwater Discharges: Evaluation Summary
SWP3 Amendment Log

SWP3 COMPLIANCE CHECKLIST FOR YEAR

Weekly

Maintain the Rain Gauge Log weekly during dry periods and daily during rain events.

Quarterly

Perform Routine Facility Inspection and complete report. Update all logs and records as necessary.

- ☐ January – March
- ☐ April – June
- ☐ July – September
- ☐ October - December

Perform Visual Monitoring (jar test) and complete report

- ☐ January – March
- ☐ April – June
- ☐ July – September
- ☐ October – December

Semi-Annually

Perform Benchmark Sampling Monitoring and record results

- ☐ January – June
- ☐ July – December

Annually

January – December

- ☐ Submit Benchmark Summary to TCEQ by March 31 of each year. There are no waivers for monitoring of BOD5 immediately. Benchmark monitoring may be waived during years 3 and 4 if annual average sampling values for years 1 and 2 are all below benchmark level.
- ☐ Perform Comprehensive Site Compliance Inspection and Report
- ☐ Modify BMPs and other controls as needed, update logs / records and revise SWP3 as necessary
- ☐ Complete All Training Requirements of Employee Training Program update training records.

SWP3 Team Training: Log Sheet

Training Date:

Training Topics	Covered?
Proper material management and handling practices	
Spill prevention measures	
Location of spill materials and equipment necessary for spill clean-up	
Spill clean-up techniques	
Proper spill reporting procedures	
Familiarization with good housekeeping measures	
BMPs	
Goals of SWP3	

Training Attendance Log

Employee Education: Log Sheet

Employee Training Date:

Training Topics	Covered?
Goals of SWP3	
How to contact the facility's stormwater pollution prevention team about stormwater related issues	

Training Attendance Log

Comprehensive Compliance Inspection: Worksheet

Name and Title of Inspector:	
Date of Inspection:	
Is this a Quarterly Inspection?	☐ Yes ☐ No

Describe your inspection results about the facility areas. In your description, name the area of the facility you are describing.

Facility Area:

Document any incidents of non-compliance.

Describe your observations of your facility's control measure implementation.

Describe additional control measures needed to address any issues observed on-site.

Describe any previously unidentified discharges from the site.

Describe any unidentified pollutants from existing discharges.

Describe of any evidence of or potential for pollutants to enter the drainage system.

Describe the condition of each outfall and the surrounding area.

List any needed SWP3 revisions discovered during your inspection.

Did you submit your monitoring data through NetDMR?	☐ Yes ☐ No
Is your Delegation of Signatories information up to date?	☐ Yes ☐ No
If yes, did you submit the update through STEERS?	☐ Yes ☐ No

Certification Statement:

30 TAC 305.128 "I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations."

Signature: _____ Date: _____

Print Name: _____

Job Title: _____

Non-Stormwater Discharges: Evaluation Summary

Date of Investigation:

Outfalls or Onsite Discharge Points Observed

Outfall Name	Outfall Location

Identified Non-Stormwater Discharges

Approved by Permit?	Source Location	Corrective Action Taken or BMPs Used

Description of the Investigation and Portions of the Storm Sewer Observed

Non-Stormwater Discharges: Certification

TXR050000 Part III Section B.1 and 30 TAC 305.128

The facility's storm sewer system has been evaluated for the presence of non-stormwater discharges and the discharge of non-permitted, non-stormwater does not occur.

The attached evaluation summary documents:

- How the evaluation was conducted
- Dates and results of any evaluations or tests
- Any discharges identified
- Locations of outfalls and onsite discharges
- Portions of the storm sewer system observed during the inspection

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

Signature: _____ Date: _____

Print Name: _____

Job Title: _____

SWP3 AMENDMENT LOG				
Amendment #	Date of Amendment	Description	Amendment Prepared by	Signature

Appendix E – Monitoring

Quarterly Visual Monitoring Guide
Quarterly Visual Monitoring Report
Sampling, Record Keeping and Reporting Guide
Discharge Monitoring Report (DMR)
Benchmark Monitoring Form
Hazardous Metals Monitoring Waiver Form

TCEQ REGULATORY GUIDANCE
Small Business and Local Government Assistance
RG-403 (Revised)
December 2016

Quarterly Visual Monitoring of Stormwater Runoff:

A Guide for Industries Operating under the TPDES Multi-Sector General Permit, TXR050000

Introduction

This guide is aimed at industrial facilities that are subject to the Texas Pollutant Discharge Elimination System (TPDES) Multi-Sector General Permit (MSGP) for discharges of stormwater—TXR050000. The MSGP is also known as the Industrial Stormwater General Permit.

Quarterly visual monitoring is designed to help you assess the effectiveness of your Stormwater Pollution Prevention Plan (SWP3) in reducing pollution in stormwater runoff from your facility. The ultimate goal of the TPDES program is to improve the quality of surface water in the state.

This guide is intended to help you perform quarterly visual monitoring of stormwater runoff; however, the guide is not a substitute for the rules. To find the requirements, refer to the TPDES MSGP; the Code of Federal Regulations (CFR), Title 40, Section 122.26; and the Texas Water Code, Sections 26.027, 26.040, and 26.121.

A copy of the MSGP can be obtained at the TCEQ website: www.tceq.texas.gov/permitting/stormwater/industrial. If you have any questions about this document, or if you need further assistance, contact the Stormwater and Pretreatment Team at 512-239-4671, or the Small Business and Local Government Assistance (SBLGA) Section at 1-800-447-2827.

What is visual monitoring?

Visual monitoring is examining and assessing a grab sample of stormwater for these characteristics, or parameters: color, clarity, oil sheen, odor, solids, foam, and other obvious indicators of stormwater pollution. A *grab sample* is a water sample that is collected all at once, in a clear glass container, from the specific water source—in this case, each of your facility's outfalls or representative outfalls (those that represent other outfalls with similar characteristics).

On a quarterly basis, visual monitoring should be conducted by a member of your Pollution Prevention Team, as described in your SWP3. Where practical, the same person should collect and examine the samples for the entire term of the permit to ensure consistency.

Outfalls

An *outfall* is the point (or points) at the boundary of your facility where stormwater runoff leaves your site, or within your facility where the discharge enters a receiving water. When discharges enter a receiving water on company property, the outfall is the point immediately before where the discharge meets the receiving water.
When discharges enter a receiving water—which can include an intermittent stream—off company property, the outfall is the point where the discharge leaves your site.

Substantially similar outfalls

Substantially similar outfalls are discharges from drainage areas undergoing similar industrial activities, where the discharges are expected to be of similar quantity, quality, and composition. If you have substantially similar outfalls, you may be able to do representative discharge sampling.

Texas Commission on Environmental Quality • PO Box 13087 • Austin, Texas • 78711-3087

Representative discharge sampling makes it possible for you to sample one outfall and allows it to count as the sampling for a substantially similar outfall. Taking this approach could reduce the amount of staff time required for monitoring. Substantially similar outfalls may not be established for non-stormwater discharges.

In order to conduct representative discharge sampling, you must first document in your SWP3 how you determined that your outfalls are substantially similar. At a minimum you must compare:

- the industrial activities that occur in the drainage area of each outfall;
- any significant materials stored or handled within the drainage area of each outfall; and
- the management practices and pollution control structures that exist within the drainage area of each outfall.

Why should I do quarterly visual monitoring?

Quarterly visual monitoring is required in the permit for all facilities, and it helps you to assess whether *best management practices* (BMPs) are effectively working to reduce the potential for contamination of stormwater runoff as it leaves your facility. Quarterly visual monitoring may also indicate a source of pollution that you had not considered during the development of BMPs, such as recurring spills or an infrequent industrial activity.

BMPs are those practices implemented at your facility to control, prevent, or reduce the discharge of pollutants so that they do not enter waters of the state. Examples of BMPs can include operating procedures, maintenance procedures, and physical controls. Inactive facilities are not required to conduct quarterly visual monitoring if they have notified the TCEQ in writing of their inactive status.

How often do I perform quarterly visual monitoring?

You must visually examine each outfall authorized by the general permit every quarter, starting with the first full quarter following the submission of your permit application form. The permit application form is called a *Notice of Intent* (NOI). You must describe your monitoring process in detail in your SWP3. For the purposes of the MSGP, quarters are defined as follows:

- January through March
- April through June
- July through September
- October through December

When during the quarter should I perform monitoring?

You are required to perform visual monitoring during a discharge that occurs as a result of a qualifying storm event.

For purposes of the MSGP, a *qualifying storm event* is defined as an event that results in a discharge from the permitted facility and occurs at least 3 days (72 hours) from the previous measurable storm event.

Make every attempt to obtain your samples within the first 30 minutes after discharge is observed at your outfall(s). If you are not able to do so, then sample within the first hour of runoff at the outfall. If you cannot collect samples within the first 30 minutes after discharge begins, you must document in your SWP3 why you could not collect samples during that time.

Monitoring must be conducted during normal hours of operation for the facility and examined in a well-lit area. Once you collect a sample for a particular quarter, you are not required to sample again until the next quarter.

You must maintain a rain gauge on site to help identify qualifying rain events.

What if I can't get a sample?

We recognize that you cannot always get a sample—for example if the rainfall occurs outside normal operating hours, or there are hazardous weather conditions. In such cases you must attempt to sample two qualifying storm events during the next quarter. If you are unable to sample two events during the next quarter, the missed sample is permanently waived.

Be sure to document in your SWP3 that you were unable to collect a sample, and state a reason or reasons why (for example, drought conditions, or the rainfall occurred outside normal operating hours). Do not attempt to take a sample during dangerous conditions caused by the presence of lightning strikes or other weather hazards. If you cannot collect a sample because of a dangerous situation, note the condition in your SWP3.

Do I have to sample *all* of my outfalls every time I conduct monitoring?

No, facilities with significantly similar drainage areas for each outfall may be able to claim representative outfalls. This approach allows a facility to sample one outfall and have it represent other outfalls with similar characteristics

Outfalls are considered *significantly similar* if their drainage areas exhibit the same industrial activities, the same exposed materials, and implementation of similar pollution control measures.

How is a sample collected and examined?

When examining samples, take the following steps:

- Collect grab samples from the outfall locations using a clean, clear glass jar.
- Attempt to take the sample from the middle of the water column to avoid scooping sediment or solids into the sample.
- Record the outfall number, date, and time you collected the sample, as well as the name of the person conducting the monitoring.
- Examine the sample in a well-lit area within 30 minutes after collecting it.
- Document your observation of the required parameters and other obvious indicators of stormwater pollution.
- Include your visual monitoring reports in your SWP3. Your SWP3 must be located at your facility, or in a place where it may be readily available for review by authorized TCEQ personnel upon request.

What parameters must be examined?

As part of your visual examination, you must document what you observe in each sample regarding six parameters: color, clarity, oil sheen, odor, solids, and foam.

If you notice an impact to any of these parameters, then determine what industrial activities or conditions might be the cause. Also determine whether additional BMPs or pollution prevention measures need to be employed to prevent this condition.

The following paragraphs discuss each parameter.

Color

If the sample is colorless, then it may indicate that your BMPs are helping to prevent certain pollutants from leaving your site. Color in water can be due to pollutants or suspended matter. Look for dramatic changes in the normal water color when assessing this parameter.

This parameter refers to the degree of cloudiness present in the sample. It is usually an indication of less pollutants in the water if the sample is clear or transparent. If the clarity has changed since the last sample, identify what might have caused this to happen.

Oil Sheen

An oil sheen is present if a film of iridescent color is noted on the surface of the sample. Look for a rainbow effect that can appear to be floating on the surface of the water.

Odor

Note whether any odors are present and what they smell like (for example, gasoline fumes, rotten eggs or sulphur, a sour smell, sewage, solvent fumes).

Solids

Examine samples for floating, suspended, and settled solids, such as silt, mud, and dirt.

- Floating solids will remain on or near the top of the sample.
- Suspended solids will be suspended within the column of water and may contribute to changes in water color or clarity.
- Settled solids will sink to the bottom of the sample container.

If a large volume of solids is present, determine the cause and note it in your SWP3.

Foam

Gently shake the sample and observe any foaming.

Foam in the sample is most likely caused by surfactants, and may resemble dish-washing soapsuds.

How do I document visual monitoring?

Visual monitoring documentation is required by the MSGP. The form that is included in this guide provides a format to record your findings; however, you may also choose a different record-keeping method to document your visual monitoring observations.

How do I respond to the monitoring results?

Once quarterly visual monitoring is performed, members of the Pollution Prevention Team should review the monitoring results. If there were indications of pollutants leaving the site, examine your facility to ensure that you have addressed all industrial activities occurring on your site and that all your BMPs are operating properly. Make any changes necessary to the facility and the BMPs and note your actions in your SWP3.

Notes

Quarterly Visual Monitoring Form

Fill out a separate form for each sample you collect (**one form per outfall**).

Outfall number:	**Person collecting/examining sample:**	
Quarter/year:	**Date & time collected:**	**Date & time examined:**
Rainfall amount:	**Qualifying:** Yes or No	**Runoff source:** rainfall or snowmelt

Color	Does the water appear to be colored? **Yes** **No**	**Describe:**
Clarity	Is the water clear or transparent, meaning can you see through it? **Yes** **No**	Which of the following best describes the clarity of the water? **Clear** **Milky** **Opaque** Other (describe) _____
Oil sheen	Can you see a rainbow effect or sheen on the water surface? **Yes** **No**	Which of the following best describes the water sheen? **Oily** **Silver** **Iridescent**
Odor	Does the sample have an odor? **Yes** **No**	**Describe:**
Floating solids	Is there something floating on the surface of the sample? **Yes** **No**	**Describe:**
Suspended solids	Is there something suspended in the water column or sample? **Yes** **No**	**Describe:**
Settled solids	Is there something settled at the bottom of the sample? **Yes** **No**	**Describe:**
Foam	Is there foam or material forming on top of the water? **Yes** **No**	**Describe:**

Detail any concerns, corrective actions taken, and any other obvious indicators of pollution present in the sample:

Collector's signature:

Example: Quarterly Visual Monitoring Form

Fill out a separate form for each sample you collect (**one form per outfall**).

Outfall number: 1	**Person collecting/examining sample:** Scott Doitall	
Quarter/year: Q2/03	**Date & time collected:** 8/31/17, 10 a.m.	**Date & time examined:** 8/31/17, 10:15 a.m.
Rainfall amount: 0.25 inches	**Qualifying:** (Yes) or No	**Runoff source:** (rainfall) or snowmelt

Color	Does the water appear to be colored? (Yes) No	**Describe:** water is brown
Clarity	Is the water clear or transparent, meaning can you see through it? Yes (No)	Which of the following best describes the clarity of the water? **Clear** **Milky** **Opaque** water is cloudy or muddy looking
Oil Sheen	Can you see a rainbow effect or sheen on the water surface? Yes (No)	Which of the following best describes the water sheen? **Oily** **Silver** **Iridescent** N/A
Odor	Does the sample have an odor? (Yes) No	**Describe:** The sample smells like soil or dirt
Floating solids	Is there something floating on the surface of the sample? Yes (No)	**Describe:** N/A
Suspended solids	Is there something suspended in the water column or sample? (Yes) No	**Describe:** There is silt/dirt in the water column
Settled solids	Is there something settled at the bottom of the sample? Yes (No)	**Describe:** After the sample sat for awhile, silt settled to the bottom of the container
Foam	Is there foam or material forming on top of the water? Yes (No)	**Describe:** N/A

Detail any concerns, corrective actions taken, and any other obvious indicators of pollution present in the sample:

Collector's Signature:

Quarterly Visual Monitoring: Log Sheet

Outfall Number:		
Quarter: ☐ 1 ☐ 2 ☐ 3 ☐ 4	**Date & Time Collected:**	**Date & Time Examined:**
Rainfall Amount (*include units*):	**Qualifying event?** ☐ Yes ☐ No	**Runoff source?** ☐ Rainfall ☐ Snowmelt
Parameter	**Parameter Description and Characteristics**	**Observations**
Color	**Does the water appear colored?**	☐ Yes ☐ No
	Describe the color:	
Clarity	**Is the water clear or transparent?**	☐ Yes ☐ No
	Which of the following best describes the clarity of the water?	☐ Clear ☐ Milky ☐ Opaque
Oil Sheen	**Can you see a rainbow effect or sheen on the water surface?**	☐ Yes ☐ No
	Which of the following best describes the water sheen?	☐ Oily ☐ Silver ☐ Iridescent
Odor	**Does the sample have an odor?**	☐ Yes ☐ No
	Describe the odor:	
Floating Solids	**Is there something floating on the surface of the sample?**	☐ Yes ☐ No
	Describe the floating solids:	
Suspended Solids	**Is there something suspended in the water column of the sample?**	☐ Yes ☐ No
	Describe the suspended solids:	
Settled Solids	**Is there something settled at the bottom of the sample?**	☐ Yes ☐ No
	Describe the settled solids:	
Foam	**Is there foam or material forming on top of the water?**	☐ Yes ☐ No
	Describe the foam:	

Describe any concerns, corrective actions taken, and any other obvious indicators of pollution present in the sample:

Collector's Signature: _____

Print Name: _____

Examiner's Signature: *(If different than collector)* _____

Print Name: _____

Sampling Guide for the Multi-Sector General Permit (MSGP) - TXR050000

Type of Sampling	Requirements of Sampling	Frequency	Test Parameter/ Level	Record Keeping & Reporting
Quarterly Visual Part III	• collect a grab sample from each outfall location using a clean, clear, glass or plastic jar • perform the visual examination immediately after collecting the sample (within 30 minutes of discharge) • examine samples in a well-lit area • document observations of floating, suspended and settled solids, color, clarity, foam, oil sheen, odor, and other obvious indicators of storm water pollution • assess BMPs or processes for possible modification if examination reveals indicators of pollutants	Quarterly during normal operating hours within a time frame that ensures the sample is representative of the discharge	• Color • Clarity • Floating, settled or suspended solids • Foam • Oil sheen • Noticeable odors • Other obvious indicators of stormwater pollution	• document findings and include in SWP3 • modify BMPs and other controls as needed and revise SWP3 • collect and examine discharges by a member of the pollution prevention team when possible to ensure consistency • may establish substantially similar outfalls for quarterly visual monitoring per Part III D
Benchmark Part IV	• obtain sampling kit from the laboratory (bottles cooler for shipping, preservatives, etc.) • collect grab sample at an outfall that best represents the industrial activity conducted at the site according to approved procedures in 30 TAC §319.7 • may establish substantially similar outfalls for benchmark monitoring per Part III D.2.(b) • follow proper preservation techniques and ship sample to testing laboratory for analysis using approved methods • review analysis results (laboratory report) and compare to benchmark values listed in Table 3 found in Part IV • assess BMPs or processes for possible modification if any benchmark parameter value is exceeded	Semiannually (Jan–Jun & Jul–Dec)	• BOD5 15 mg/L	• record results of analyses for sampling on Benchmark Summary form (TCEQ-20091) and include in the SWP3 • submit Benchmark Summary to TCEQ by March 31 of each year • report values that are the average yearly analyses for each pollutant, rather than on an outfall-by-outfall basis • report results of data collected that year if sampling during any six-month period is not conducted due to adverse weather conditions, drought, etc. • waive benchmark monitoring during years 3 and 4 if annual average sampling values for years 1 and 2 are all below benchmark levels
Numeric Effluent Limits (Hazardous Metals) Part III Unscheduled	• obtain sampling kit from the laboratory (bottles cooler for shipping, preservatives, etc.) • collect grab sample at the final outfall according to approved procedures in 30 TAC §319.7 • may establish substantially similar outfalls for numeric effluent limits (hazardous metals) per Part III D.2.(b) • follow proper preservation techniques and ship sample to testing laboratory for analysis using approved methods • review analysis results and compare to hazardous metals numeric effluent limits listed in Table 1 in Part III C.1.(a) • assess BMPs or processes for possible modification if any sampling parameter value is exceeded	Annually before Dec 31 of each year	• Arsenic, 0.3 MG/L • Barium, 4.0 MG/L • Cadmium, 0.2 MG/L • Chromium, 5.0 MG/L • Copper, 2.0 MG/L • Lead, 1.5 MG/L • Manganese, 3.0 MG/L • Mercury 0.01 MG/L • Nickel, 3.0 MG/L • Selenium 0.2 MG/L • Silver 0.2 MG/L • Zinc 6.0 MG/L	• record results of analyses for sampling on a Discharge Monitoring Report (DMR) form (EPA-3320-1) and include in your SWP3 • On February 28, 2019, TCEQ issued a third temporary waiver for electronic reporting for MSGP DMRs that will expire on August 14, 2021. Continue to submit paper DMRs to MC-213 on the approved DMR form (EPA No. 3320-1) • report in writing to TCEQ regional office and Enforcement Division (C-224) in Austin if the exceedance deviates from the effluent limit by more than 40% per Part III E.6.(b)(2) • waive monitoring on a metal or outfall basis if criteria met and certified per Part III C
Impaired Waters and Pollutants of Concern Part II	• same as Benchmark and Numeric Effluent Limits if discharging to an impaired water body per the current approved 303(d) list, prevent exposure of any pollutant of concern, document that POC is not generated by industrial activities or present in materials at the site, or obtain analytical evidence that POC is not discharged per Part II B.7.(b)(3)	Annually, if applicable	All, if discharging to water body impaired for that POC	• maintain all monitoring and analytical data • if sampling indicates presence of POC at level that may contribute to impairment, monitor discharge per Part III B.4., implement pollutant reduction plan to eliminate the POC, and revise SWP3

HAZARDOUS METALS - INLAND WATERS STW / TXR05_____ / CO

PERMITTEE NAME/ADDRESS (Include Facility Name & Location if Different)
NAME
ADDRESS
FACILITY LOCATION

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16) PERMIT NUMBER | (17-19) N/A DISCHARGE NUMBER

MONITORING PERIOD

YEAR	MO	DAY		YEAR	MO	DAY
	01	01			12	31
(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

NOTE: Enter your authorization number in the underlined space in the upper right hand corner of this page. Example: STW/ TXR05J102/ CO

Only if required, mail to: TCEQ (MC 213) P.O. Box 13087 Austin TX 78711-3087

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
Arsenic	SAMPLE MEASUREMENT	*******	*******	*******	******	******					
	SAMPLE REQUIREMENT	*******	*******	*******	******	******	0.3 Daily Max			1/Year	Grab
Barium	SAMPLE MEASUREMENT	*******	*******	*******	*******	*******					
	SAMPLE REQUIREMENT	*******	*******	*******	*******	*******	4.0 Daily Max	mg/l		1/Year	Grab
Cadmium	SAMPLE MEASUREMENT	*******	*******	*******	*******	*******					
	SAMPLE REQUIREMENT	*******	*******	*******	*******	*******	0.2 Daily Max	mg/l		1/Year	Grab
Chromium	SAMPLE MEASUREMENT	*******	*******	*******	*******	*******					
	SAMPLE REQUIREMENT	*******	*******	*******	*******	*******	5.0 Daily Max	mg/l		1/Year	Grab
Copper	SAMPLE MEASUREMENT	*******	*******	*******	*******	*******					
	SAMPLE REQUIREMENT	*******	*******	*******	*******	*******	2.0 Daily Max	mg/l		1/Year	Grab

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE | NUMBER

DATE: YEAR | MO | DAY

TYPED OR PRINTED

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

EPA Form 3320-1 (3-99) (REPLACES EPA FORM T-40 WHICH MAY NOT BE USED) PAGE OF

Form Approved OMB No. 2040-004

HAZARDOUS METALS - INLAND WATERS STW / TXR05_____ / CO

PERMITTEE NAME/ADDRESS (Include Facility Name & Location if Different)
NAME
ADDRESS
FACILITY LOCATION

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16) PERMIT NUMBER | (17-19) N/A DISCHARGE NUMBER

MONITORING PERIOD

YEAR	MO	DAY		YEAR	MO	DAY
	01	01			12	31
(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

NOTE: Enter your authorization number in the underlined space in the upper right hand corner of this page. Example: STW/ TXR05J102/ CO

Only if required, mail to: TCEQ (MC 213) P.O. Box 13087 Austin, TX 78711-3087

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
Lead	SAMPLE MEASUREMENT	*******	******	*******	******	******					
	SAMPLE REQUIREMENT	*******	******	*******	******	******	1.5 Daily Max			1/Year	Grab
Manganese	SAMPLE MEASUREMENT	*******	*******	*******	*******	*******					
	SAMPLE REQUIREMENT	*******	*******	*******	*******	*******	3.0 Daily Max	mg/l		1/Year	Grab
Mercury	SAMPLE MEASUREMENT	*******	*******	*******	*******	*******					
	SAMPLE REQUIREMENT	*******	*******	*******	*******	*******	0.01 Daily Max	mg/l		1/Year	Grab
Nickel	SAMPLE MEASUREMENT	*******	*******	*******	*******	*******					
	SAMPLE REQUIREMENT	*******	*******	*******	*******	*******	3.0 Daily Max	mg/l		1/Year	Grab
Selenium	SAMPLE MEASUREMENT	*******	*******	*******	*******	*******					
	SAMPLE REQUIREMENT	*******	*******	*******	*******	*******	0.2 Daily Max	mg/l		1/Year	Grab

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE | NUMBER

DATE: YEAR | MO | DAY

TYPED OR PRINTED

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

EPA Form 3320-1 (3-99) (REPLACES EPA FORM T-40 WHICH MAY NOT BE USED) PAGE OF

Form Approved OMB No. 2040-004

HAZARDOUS METALS - INLAND WATERS STW / TXR05_____ / CO

PERMITTEE NAME/ADDRESS (Include Facility Name & Location if Different)
NAME
ADDRESS
FACILITY LOCATION

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16) PERMIT NUMBER | (17-19) N/A DISCHARGE NUMBER

MONITORING PERIOD

YEAR	MO	DAY		YEAR	MO	DAY
	01	01			12	31
(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

NOTE: Enter your authorization number in the underlined space in the upper right hand corner of this page. Example: STW/ TXR05J102/ CO

Only if required, mail to: TCEQ (MC 213) P.O. Box 13087 Austin TX 78711-3087

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
Silver	SAMPLE MEASUREMENT	*******	*******	*******	*******	*******					
	SAMPLE REQUIREMENT	*******	*******	*******	*******	*******	0.2 Daily Max	mg/l		1/Year	Grab
Zinc	SAMPLE MEASUREMENT	*******	*******	*******	*******	*******					
	SAMPLE REQUIREMENT	*******	*******	*******	*******	*******	6.0 Daily Max	mg/l		1/Year	Grab

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE | NUMBER

DATE: YEAR | MO | DAY

TYPED OR PRINTED

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

EPA Form 3320-1 (3-99) (REPLACES EPA FORM T-40 WHICH MAY NOT BE USED) PAGE OF

Form Approved OMB No. 2040-004

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY BENCHMARK MONITORING REPORT FOR FACILITIES AUTHORIZED UNDER THE MULTI-SECTOR GENERAL PERMIT (TXR050000)

If you have questions about completing this form please contact the Stormwater & Pretreatment Team at 512-239-4671 or SWGP@tceq.texas.gov.

Reporting Period: January – December, 20

Authorization Number: TXR05

SIC Code: Industrial Activity Code: Sector:

Parameter	enchmar e el (mg)	t Period Re ult (an- un)	nd Period Re ult (ul - ec)	nnual erage (mg)	oe nnual erage ceed enchmar e el (e o)

Responsible Official Name: Phone Number:

As the operator/representative of this facility, I certify under penalty of law, that this document and all attachments were prepared under my direction or supervision, in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is to the best of my knowledge and belief, true, accurate, and complete. I am aware there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature (use blue ink): _____ Date: _____

ample for completing the ta le under ariou condition

Example 1: Samples are obtained semi-annually. Enter each value and take the average of the values, including any values for additional sampling.

Parameter	enchmar e el (mg)	t Period Re ult (an- un)	nd Period Re ult (ul - ec)	nnual erage (mg)	oe nnual erage ceed enchmar e el (e o)
Phosphorus	1.25	1.0	4.0	2.5	Yes

Example 2: One or more sample results were reported by the lab as non-detect (ND). Enter ND, and count the value as 0 when calculating the annual average result.

Labs may report non-detects with ND, below detection limit, BDL, less than minimum detection limit, or <MDL (for example "<0.002" is reported when 0.002 is the minimum detection limit).

Parameter	enchmar e el (mg)	t Period Re ult (an- un)	nd Period Re ult (ul - ec)	nnual erage (mg)	oe nnual erage ceed enchmar e el (e o)
TSS	100	ND	50	25	No

Example 3: No sample was collected during the period. Explain why no sample could be taken, then average the remaining values.

Acceptable reasons for not sampling could be no discharge occurred during the six month period or the discharge occurred during flood conditions or hazardous weather.

Parameter	enchmar e el (mg)	t Period Re ult (an- un)	nd Period Re ult (ul - ec)	nnual erage (mg)	oe nnual erage ceed enchmar e el (e o)
TSS	100	75	No discharge occurred	75	No

Hazardous Metals Monitoring Waiver for Stormwater Discharges under the TPDES Multi-Sector General Permit (TXR050000)

Complete this form for the outfalls listed in the facility's stormwater pollution prevention plan (SWPPP). Use additional forms as needed. Keep this form on site with the SWPPP and make sure that it is readily available to TCEQ investigators on request.

TPDES Permit Number: TXR05_____

These metals are excluded from monitoring if checked:

Outfall Number (as listed in the SWPPP)	As	Ba	Cd	Cr	Cu	Pb	Mn	Hg	Ni	Se	Ag	Zn
Outfall 1	X	X	X	X	X	X	X	X	X	X	X	X
Outfall 2	X	X	X	X	X	X	X	X	X	X	X	X
Outfall 2	X	X	X	X	X	X	X	X	X	X	X	X

Key to metals: As = arsenic; Ba = barium; Cd = cadmium; Cr = chromium; Cu = copper; Pb = lead; Mn = manganese; Hg = mercury; Ni = nickel; Se = selenium; Ag = silver; Zn = zinc

I certify under penalty of law that the hazardous metals checked in the above table meet at least one of the three criteria:

- The regulated facility does not use a raw material, produce an intermediate product, or produce a final product that contains one of these hazardous metals.
- Any raw materials, intermediate products, or final products which contain a hazardous metal are never exposed to stormwater or runoff.
- A sample of the discharge from the facility has been analyzed for one or more of the listed hazardous metals, and the results indicate that the metal(s) is/are not present in detectable levels. Test methods utilized are sensitive enough to detect the following parameters at the minimum analytical level (MAL) as specified in Part III.D.1(e)(iii) of the TDPES Multi-Sector General Permit.

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

Operator/Representative Name (printed or typed): Michael D. Blomquist, Mayor

Signature: Michael D. Blomquist **Date:** 09-14-23

Appendix F- Records

Weather Monitoring Log
Structural Control Maintenance
Non-Stormwater Discharges
Spill Cleanup Materials and Equipment
Spill Log
Routine / Quarterly Inspection Report

Weather Monitoring: Log Sheet

Month/Year	
Rainfall Measurement Source*	

**Include name and citation of source.*

Rainfall Log

Structural Control Maintenance: Log Sheet

Date	Structural Control	Inspector	Activity

Non-Stormwater Discharges: Evaluation Summary

Date of Investigation:

Outfalls or Onsite Discharge Points Observed

Outfall Name	Outfall Location

Identified Non-Stormwater Discharges

Approved by Permit?	Source Location	Corrective Action Taken or BMPs Used

Description of the Investigation and Portions of the Storm Sewer Observed

Spill Cleanup Materials and Equipment: Inventory Sheet

Material or Equipment	Quantity	Storage Location	Specific Use

Spill Log

Spill or Leak	Date	Area	Response Measures

Routine Facility Inspection: Worksheets

Date and Time:		**Quarter:**	☐ 1 ☐ 2 ☐ 3 ☐ 4
Weather Conditions:			
Name(s) of Inspector(s)			

Facility Inspection Checklist

General SWP3 Requirements	Evaluated?	
Good house-keeping measures	☐ Yes	☐ No
Best management practices (BMPs)	☐ Yes	☐ No
Spill prevention and response measures	☐ Yes	☐ No
Erosion, sedimentation, and structural control measures	☐ Yes	☐ No
Employee training and education program	☐ Yes	☐ No

Facility Inspection Questions

Did you observe any active discharges during your inspection?
☐ **Yes (describe below)** ☐ **No**

Are there any new pollutant discharges from your site?
☐ **Yes (describe below)** ☐ **No**

Do any control measures need maintenance, repair, or replacement?
☐ **Yes (describe below)** ☐ **No**

Did you observe any instances of non-compliance?
☐ **Yes (describe below)** ☐ **No**

Are additional control measures needed?
☐ **Yes (describe below)** ☐ **No**

Are existing BMPs properly and completely implemented?
☐ **Yes** ☐ **No (describe below)**

Do you recommend any corrective actions?
☐ **Yes (describe below)** ☐ **No**

Signature: _____ Date: _____

Print Name: _____

Site	Collection Date	Collection Depth, meters	Comments	00010 Temp, deg. C	00078 Transparency, meters	00094 Specific Conductance, uS/cm	00300 Dissolved Oxygen, mg/L	00400 pH	31699 E. coli, MPN/100mL	72053 Days since significant Precipitation
18754	3/5/2025	0.3		15..9	0.75	442	10.6	8.2	150	19

Site	Collection Date	Collection Depth, meters	Comments	00010 Temp, deg. C	00078 Transparency, meters	00094 Specific Conductance, uS/cm	00300 Dissolved Oxygen, mg/L	00400 pH	31699 E. coli, MPN/100mL	72053 Days since significant Precipitation
21689	3/5/2025	0.3	Station dry, not sampled	no data	no data	no data	no data	no data	no data	22

Site	Collection Date	Collection Depth, meters	Comments	00010 Temp, deg. C	00078 Transparency, meters	00094 Specific Conductance, uS/cm	00300 Dissolved Oxygen, mg/L	00400 pH	31699 E. coli, MPN/100mL	72053 Days since significant Precipitation
21690	3/5/2025	0.3		12.9	1.2	502	6.3	7.5	1100	19

Kristina Ramirez

From: Mark Hyde
Sent: Wednesday, April 2, 2025 11:07 AM
To: Kristina Ramirez
Subject: FW: Trimmier Creek Q1 2025
Attachments: Trimmier Creek 1st Quarter 2025.xlsx

Follow Up Flag: Follow up
Flag Status: Completed

Kristina,

1st Quarter BRA E-coli sample results.

18754: Trimmier Creek South City Limits
21689: Footbridge in Purser Park
21690: Prospector Bridge

Mark Hyde
Assistant City Manager
City of Harker Heights | 305 Miller's Crossing | Harker Heights, TX 76548
T: 254-953-5641 | F: 254-953-5605 | mhyde@harkerheights.gov

Vision: Providing public services that empower people to focus on what matters most: their goals, hopes and dreams.

From: Adrienne Tapia <adrienne.tapia@Brazos.org>
Sent: Tuesday, April 1, 2025 8:38 AM
To: Mark Hyde <mhyde@harkerheights.gov>
Subject: Trimmier Creek Q1 2025

Hi, Mark. Attached please find the most recent quarter's results for Trimmier Creek. Please let me know if you have any questions or need additional information. Thank you.

Adrienne Tapia
Quality Assurance Officer | Environmental Services
p: +1 (737) 245-0004 | **f:** | adrienne.tapia@Brazos.org
Brazos River Authority
201 County Road 496, Taylor, TX 76574
www.brazos.org

Site	Collection Date	Collection Depth, meters	Comments	00010 Temp, deg. C	00078 Transparency, meters	00094 Specific Conductance, uS/cm	00300 Dissolved Oxygen, mg/L	00400 pH	31699 E. coli, MPN/100mL	72053 Days since significant Precipitation
18754	3/5/2025	0.3		15..9	0.75	442	10.6	8.2	150	19
18754	6/3/2025	0.3		26.5	>1.2	661	6.4	7.8	2000	7

Site	Collection Date	Collection Depth, meters	Comments	00010 Temp, deg. C	00078 Transparency, meters	00094 Specific Conductance, uS/cm	00300 Dissolved Oxygen, mg/L	00400 pH	31699 E. coli, MPN/100mL	72053 Days since significant Precipitation
21689	3/5/2025	0.3	Station dry, not sampled	no data	no data	no data	no data	no data	no data	22
21689	6/3/2025	0.3	Station dry, not sampled	no data	no data	no data	no data	no data	no data	7

Site	Collection Date	Collection Depth, meters	Comments	00010 Temp, deg. C	00078 Transparency, meters	00094 Specific Conductance, uS/cm	00300 Dissolved Oxygen, mg/L	00400 pH	31699 E. coli, MPN/100mL	72053 Days since significant Precipitation
21690	3/5/2025	0.3		12.9	1.2	502	6.3	7.5	1100	19
21690	6/3/2025	0.3		25.4	>1.2	74.2	5.8	7.4	730	7

Kristina Ramirez

From: Mark Hyde
Sent: Thursday, July 3, 2025 10:51 AM
To: Jonathan Hicks
Cc: Leslie Stevens; Patrick Wilson; Kristina Ramirez
Subject: FW: Trimmier Creek Q2 2025

Follow Up Flag: Follow up
Flag Status: Flagged

Jonathan,

Beginning August, we will need to take monthly e-coli samples at the Purser Park foot bridge, Prospector Trail bridge and Trimmier Creek near the Chaparral bridge. Please put this on your calendar.

Mark Hyde
Assistant City Manager
City of Harker Heights | 305 Miller's Crossing | Harker Heights, TX 76548
T: 254-953-5641 | F: 254-953-5605 | mhyde@harkerheights.gov

Vision: Providing public services that empower people to focus on what matters most: their goals, hopes and dreams.

From: Adrienne Tapia <adrienne.tapia@Brazos.org>
Sent: Thursday, July 3, 2025 10:21 AM
To: Mark Hyde <mhyde@harkerheights.gov>
Subject: RE: Trimmier Creek Q2 2025

Hi, Mark. We will stop sampling by the end of the fiscal year, so sometime before the end of August.

Adrienne Tapia
Quality Assurance Officer | Environmental Services
p: +1 (737) 245-0004 | **f:** | adrienne.tapia@Brazos.org
Brazos River Authority
201 County Road 496, Taylor, TX 76574
www.brazos.org

From: Mark Hyde <mhyde@harkerheights.gov>
Sent: Thursday, July 3, 2025 8:55 AM
To: Adrienne Tapia <adrienne.tapia@Brazos.org>
Subject: RE: Trimmier Creek Q2 2025

Thank you! When will the BRA stop sampling on our sites?

Mark Hyde
Assistant City Manager
City of Harker Heights | 305 Miller's Crossing | Harker Heights, TX 76548
T: 254-953-5641 | F: 254-953-5605 | mhyde@harkerheights.gov

Vision: Providing public services that empower people to focus on what matters most: their goals, hopes and dreams.

From: Adrienne Tapia <adrienne.tapia@Brazos.org>
Sent: Tuesday, July 1, 2025 11:31 AM
To: Mark Hyde <mhyde@harkerheights.gov>
Subject: Trimmier Creek Q2 2025

Hi, Mark. Attached please find the most recent quarter's results for Trimmier Creek. Please let me know if you have any questions or need additional information. Thank you.

Adrienne Tapia
Quality Assurance Officer | Environmental Services
p: +1 (737) 245-0004 | **f:** | adrienne.tapia@Brazos.org
Brazos River Authority
201 County Road 496, Taylor, TX 76574
www.brazos.org

C-1-21

Trimmier Bridge (18754)

Date	E-Coli	Big	Small	Int.
8/7/2025	387.3	49	22	LS
9/4/2025	47.3	28	5	LS
10/16/2025	160.7	47	10	LS

Purser Park (21689)

Date	E-Coli	Big	Small	Int.
8/7/2025	435.2	49	24	LS
9/4/2025	579.4	49	29	LS
10/21/2025	1046.2	49	39	LS

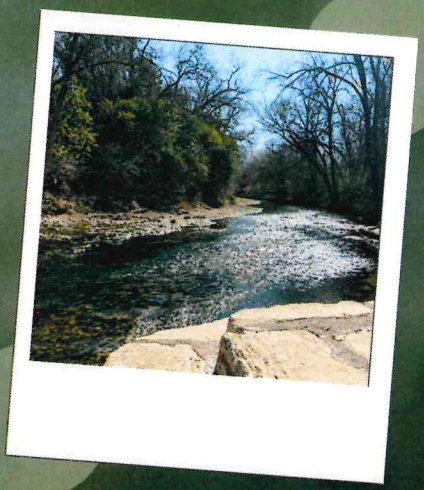
Prospector Bridge (21690)

Date	E-Coli	Big	Small	Int.
8/7/2025	90.8	40	7	LS
9/4/2025	125.1	43	13	LS
10/21/2025	18.9	16	0	LS

D-1

Valencia Ramirez

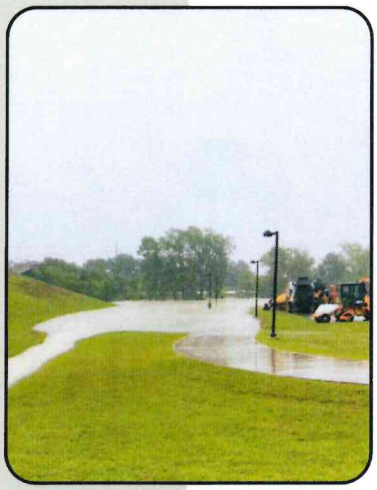
NOLAN CREEK WATERSHED ANNUAL MEETING



This cooperative project has been funded in part by the United States Environmental Protection Agency through the Texas Commission on Environmental Quality

OVERVIEW

- Welcome & Sign-In
- Nolan Creek Flood Protection Plan (FPP)
- Nolan Creek Watershed Protection Plan (WPP)
  - Review received deliverables from November 2018-July 2025
  - Plan for missing and future deliverables to watershed coordinator
  - Trainings and Workshops
  - Discussion of education & outreach events in each entity during the next 6 months
- Nolanville TCEQ 319 Grant Updates
- Action Items



NOLAN CREEK FPP

Current list of FPP items in the current plan were included in the overall plan.

If you would like to add anything please do so now before the next amendment.

kramirez@harkerheights.gov

Lower Brazos Regional Flood Planning Group

Upcoming Public Meetings – Join the Conversation!
Talk directly with:
The Technical Consultant Team
Texas Water Development Board Staff

Help ensure your community's flood mitigation needs are included in the next State Flood Plan!

Waco - Aug 21 (1-3 PM)
College Station - Aug 26 (5-7 PM)
Rosenberg - Aug 28 (5-7 PM)
Granbury - Sep 9 (5-7 PM)
Georgetown - Sep 11 (5-7 PM)

Open-house format – drop in at your convenience during the scheduled time!

For more information go to lowerbrazosflood.org

NOLAN CREEK WPP

November 2018-July 2025 Deliverables
Plan for missing and future deliverables
Trainings & Workshops
Education & Outreach Events

NOLAN CREEK

2018-2025 DELIVERABLES

Completed 35% of deliverables from 2018 to 2025. This is based on deliverables received and collected by the Nolan Creek Partnerships and Watershed Coordinator.

Main Areas of Focus for Information Retrieval:

- OSSFs
- Livestock/Horses/Feral Hogs
- Flood Management
- Microbial Source Tracking

MISSING & FUTURE DELIVERABLES

Deliverable Excel Document

In the comment box of the appropriate year stakeholder will be able to write what if any of the deliverable was done, and provide evidence such as links, dates, times, etc.

Stakeholders can provide photo and flyer evidence to the watershed coordinator via email or physical copy.

2026 DELIVERABLES

Watershed Coordinator

Will create and distribute educational material deliverables to all stakeholders.
Will work with stakeholders to host workshops throughout watershed.

Stakeholders

Provide evidence on how you help support/promote/or monitor deliverables
WWTF - 6 month reports
Sewer Line Infrastructure - Public 6 month report

TRAININGS & WORKSHOPS 2025

Trainings with Texas Stream Team

- Standard Core Training
- Riparian Evaluation

Workshops

- Water Well Screening - Lone Star Healthy Streams & Clearwater Underground Water Conservation - May 12 & 13
- Composting for the Homeowner - Texas Master Gardeners - March 11
- Hydroponics Class - April 28

TRAININGS & WORKSHOPS 2026

Trainings with Texas Stream Team

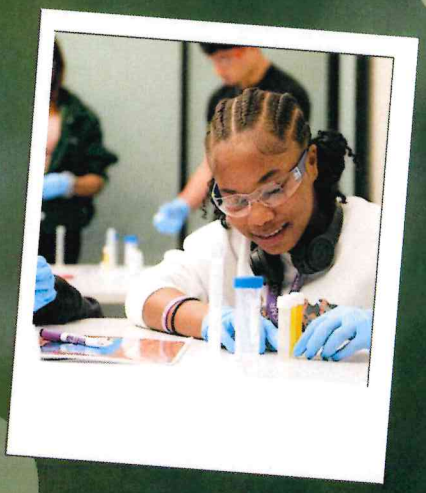
Standard Core Training
E.coli Training
Riparian Evaluation
Advanced Standard Core Training

Workshops

OSSFs
Increasing Infiltration and Reducing Runoff
Livestock
Horses
Feral Hogs
Nutrient Reduction Efforts

Nolan Creek Watershed

EDUCATION & OUTREACH EVENTS AUG 2024- AUG 2025



- Cavazos Parent Night Informational Booth Oct 7
- Bell County Water Symposium Oct 13
- Richard E Cavazos Elementary Science Night Dec 5
- Trimmer Elementary Science Night Jan 23
- STEM Fair Smith Middle School Mar 7
- Nolan Middle School Waterway Lesson Mar 28
- Fort Cavazos Earth Day Event Apr 30
- Nolan Middle School 7th Grade Informational Campaign on Waterways Apr 30
- Trimmer Elementary STEAM Day May 9
- Meadows Elementary Career Day May 9

NOLANVILLE

TCEQ 319 GRANT UPDATES

- Nolan Creek Matters Website
- QAPP being adjusted
- Planning 2nd LID Workshop
- Community Curriculum approved
- Starting preconstruction water quality testing.

ACTION ITEMS

Nolan Creek Watershed

THANK YOU FOR ATTENDING

Valencia Ramirez
Nolan Creek Watershed Coordinator
vramirez@nolanvilletx.gov

NOLAN CREEK STAKEHOLDER MEETING

~~JANUARY 31, 2024~~ Aug 22 2025

ENTITY	NAME	TITLE or WATERSHED ROLE	EMAIL	PHONE	WPP	FPP	OUTREACH
Bell County							
	Bob Reinhard	Bell Co EMC	bob.reinhard@bellcounty.texas.gov				
Bell County WCID#6							
	Glenn Grandy		wcid6@yahoo.com	254-290-0222		x	
Belton							
	Scott Hodde	~~Interim~~ Director of Public Works	shodde@beltontexas.gov	254-933-5823			
	Marcie Seele	Public Works Programs	mseele@beltontexas.gov	254-933-5823			
	~~Matthew Bates~~	~~Assistant City Manager~~	~~MBates@BeltonTexas.Gov~~	~~254-933-5823~~	x	x	
Brazos River Authority							
	Jenna Olson	Environmental Programs Manager	Jenna.Olson@brazos.org	254-761-3149			
CTCOG							
	Kendra Coufal		kendra.coufal@ctcog.org	318-225-2502			
	Uryan Nelson	KTMPO Director	uryan.nelson@ctcog.org	254-770-2373			
	Tay Floyd	Planner-Water Quality Education	tane'ya.floyd@ctcog.org				

NOLAN CREEK STAKEHOLDER MEETING

~~JANUARY 31, 2024~~

ENTITY	NAME	TITLE or WATERSHED ROLE	EMAIL	PHONE	WPP	FPP	OUTREACH
~~Fort Cavazos~~ HOOD							
	Christine Luciano	Environmental Outreach Coordinator	Christine.a.luciano.civ@army.mil	254-535-1008	x	x	x
	~~Darla Gomez~~ Retired		darla.k.gomez.civ@army.mil				
	Kristina Manning		kristina.l.manning.civ@army.mil				
	Tanicha Avila	Environmental MS4 Operator	tanicha.m.avila.civ@army.mil	254-535-3202	x	x	x
	Timi Dutchuk	Environmental Division Chief	timi.m.dutchuk.civ@army.mil	254-287-3891			
	Sean Goodwin	Environmental Management Branch	sean.d.goodwin2.civ@army.mil	254-535-1007	x	x	x
	Jackelyn Ferrer-Perez	Iterim Water Program Manager	jackelyn.ferrer-perez.civ@army.mil	(254)287-9444			
	Byron Hines		byron.j.hines.civ@army.mil	254-287-6477			
Harker Heights							
	Kristina Ramirez	Planning & Development Director	kramirez@harkerheights.gov	254-953-5663	x	x	x
	Mark Hyde	Public Works Director	mhyde@harkerheights.gov	254-953-5641	x	x	
	~~Shannon Stephens~~	~~Fire Chief~~	~~sstephens@harkerheights.gov~~	254-699-2688			
Killeen							
	Andrew Zagars	City Engineer	AZagars@killeentexas.gov	254-616-3179	x	x	x
	~~Edwin Revell~~	Exec. Director of Development Services	ERevell@killeentexas.gov	254-501-7648			

NOLAN CREEK STAKEHOLDER MEETING
~~JANUARY 31, 2024~~

ENTITY	NAME	TITLE or WATERSHED ROLE	EMAIL	PHONE	WPP	FPP	OUTREACH
	Joe Stuart	Emergency Response & Regulatory Coordinator	JStuart@killeentexas.gov	254-501-6587	x	x	
	~~Lisa Miller~~ Ben Flores	Engineering Tech/ SW	~~LMiller~~@killeentexas.gov bflores.	254-501-7771			
	Nilka Rosado	SW Project Manager	nrosado@killeentexas.gov	254-616-3174	x		x
	Peter Perez	OHSEM	pcperez@killeentexas.gov	254-200-7923			x
Nolanville							
	Chris Atkinson	Public Works Director	catkinson@nolanvilletx.gov	254-258-0187	x	x	
	Jessica Navarro	Planning Coordinator	jnavarro@nolanvilletx.gov		x	x	x
	Teresa Chandler	~~Interim~~ City Manager	~~tescajeda@nolanvilletx.gov~~ tchandler@nolanvilletx.gov		x	x	
	Valencia Ramirez	Watershed Coordinator	vramirez@nolanvilletx.gov		x	x	x
USDA - NRCS							
	Jeff Brister	District Conservationalist	jeffrey.brister@usda.gov	254-939-7808 ext. 6606	x	x	
	Karen Green	Dam Safety	karen.green@usda.gov				
	Mark Northcut	Natural Resource Manager/	mark.northcut@usda.gov	254-742-9824			
Other							
	Jonathan Hicks	Wastewater Superintendent	Jhicks@harkerheights.gov	512-487-2670			

NOLAN CREEK STAKEHOLDER MEETING
~~JANUARY 31, 2024~~

ENTITY	NAME	TITLE or WATERSHED ROLE	EMAIL	PHONE	WPP	FPP	OUTREACH
GRANT Development	J Landon Burrus		GBurrus@TexasGrants.us				
				512-560-4477			