TEXAS STATE UNIVERSITY
STORMWATER MANAGEMENT PROGRAM (SWMP)

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1 INTRODUCTION

The Texas State University is subject to the requirements of the Texas Pollutant Discharge Elimination System (TPDES) Small Municipal Separate Storm Sewer System (MS4) General Permit (GP), TXR040000, issued August 15, 2024. This general permit sets the requirements and conditions for stormwater discharges from small MS4s to surface waters in the state. The university previously developed and implemented a stormwater management program (SWMP) to comply with the 2013 TPDES Small MS4 GP due to San Marcos being located within the San Marcos Urbanized Area as defined by the 2010 U.S. Decennial Census. Additionally, in 2019 Texas State University renewed its authorization and updated the SWMP to comply with the 2019 TPDES Small MS4 GP update. This document describes Texas State's stormwater management program to protect water quality from stormwater runoff throughout the university and serves as the university's documentation of intended compliance with the 2024 TPDES Small MS4 GP.

This SWMP documents 34 Best Management Practices (BMPs) the university will continue to implement over the next five years to meet the minimum requirements of the 2024 Small MS4 GP.

Texas State University

Texas State University (TXST) is a four-year accredited university located at 601 University Drive in San Marcos, Texas (see Area Map in Figure 1). Established in 1899 as Southwest Texas State Normal School, Texas State now serves a student population of greater than 38,000, in addition to serving over 5,000 faculty and staff, and has seen continuous growth each year. The Main Campus encompasses over 500 acres and lies within the drainage basin of the San Marcos River with ground elevation changes of 230 feet. Stormwater drains into nearby Sessom Creek, the San Marcos River, and the City of San Marcos' MS4.

Texas State University is a member of the Texas State University System (TSUS). The President of Texas State University reports to the Board of Regents within TSUS. Stormwater and MS4 related responsibilities fall within the purview of the Vice President of Finance and Support Services.

Permit Applicability and Coverage

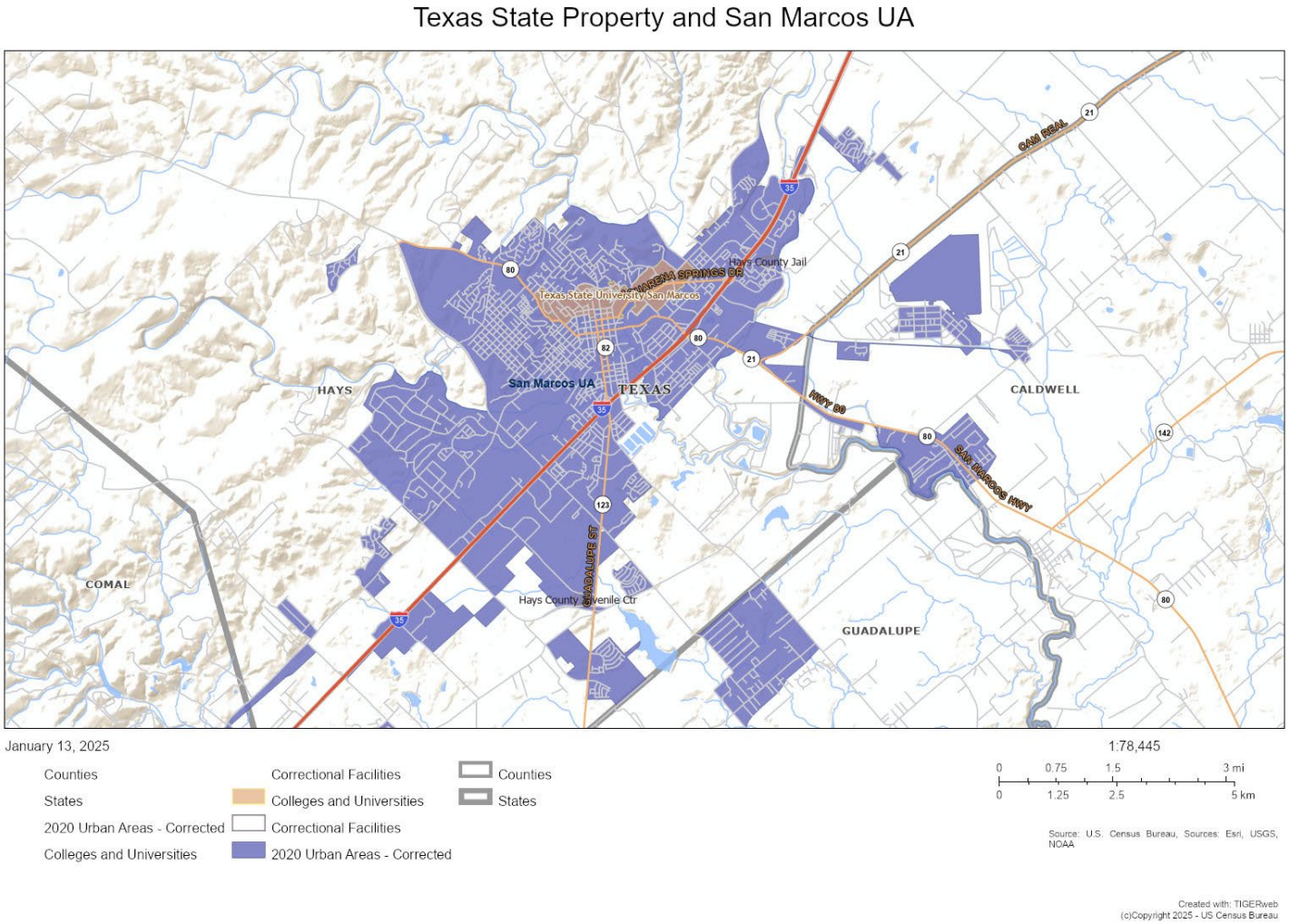
Texas State University has updated this SWMP to comply with the 2024 Small MS4 GP requirements. The main area of campus is located within the San Marcos 2020 Decennial U.S. Census Urban Area. The SWMP encompasses the university's MS4 area to the property boundaries located within this designated Urban Area. The SWMP includes best management practices (BMPs) that will be implemented by the university to reduce stormwater pollution to the maximum extent practicable

(MEP), as required by the 2024 Small MS4 GP.

Other Entities Assisting with the SWMP Preparation & Implementation

Texas State University is utilizing Texas State University EHSREM staff within the Division of Finance and Support Services to prepare this SWMP. There are no other MS4 operators contributing to the development or implementation of Texas State University's SWMP.

Figure 1 - Texas State University Property Extent Map



2 WATER QUALITY

Water Quality in San Marcos

The Small MS4 GP requires that the classified segments that first receive the university's stormwater discharges, either directly or indirectly, be identified. Stormwater discharges from Texas State eventually reach the following classified segment:

- Upper San Marcos River (Segment 1814)

The classified segments listed above, and unclassified water bodies that receive stormwater discharges before reaching the classified segment, are summarized in Table 1 and displayed in Figure 2.

Upper San Marcos River (Segment 1814)

The Upper San Marcos River, Segment 1814, extends for roughly 5 miles from its headwater of Spring Lake on Texas State campus, through San Marcos and Hays County, to the confluence with the Blanco River. Segment 1814_01 is a spring-fed stream, on the Edwards Plateau. Much of the segment exhibits alluvium with limestone substrate with occasional chalk, gravel, silt, or clay strata. The stream has historically displayed exceptional water quality and usually exhibits extremely clear water. In general, most water quality concerns in this segment of the San Marcos River are linked to a highly variable stream flow. The 2010 Texas Water Quality Inventory Report and 303(d) listed Segment 1814 as impaired for dissolved solids (TDS).

Discharges to the Edwards Aquifer Recharge Zone

Discharges of stormwater from regulated small MS4s, and other non-stormwater discharges, are not authorized by this general permit where those discharges are prohibited by 30 TAC Chapter 213 (Edwards Aquifer Rule). New discharges located within the Edwards Aquifer Recharge Zone, or within that area upstream from the recharge zone and defined as the Contributing Zone, must meet all applicable requirements of, and operate according to, 30 TAC Chapter 213 (Edwards Aquifer Rule) in addition to the provisions and requirements of this general permit. The university's main campus boundaries primarily fall within the Edwards Transition Zone, however a few acres of land just north of Spring Lake fall within the Contributing Zone and Recharge Zone (see map).

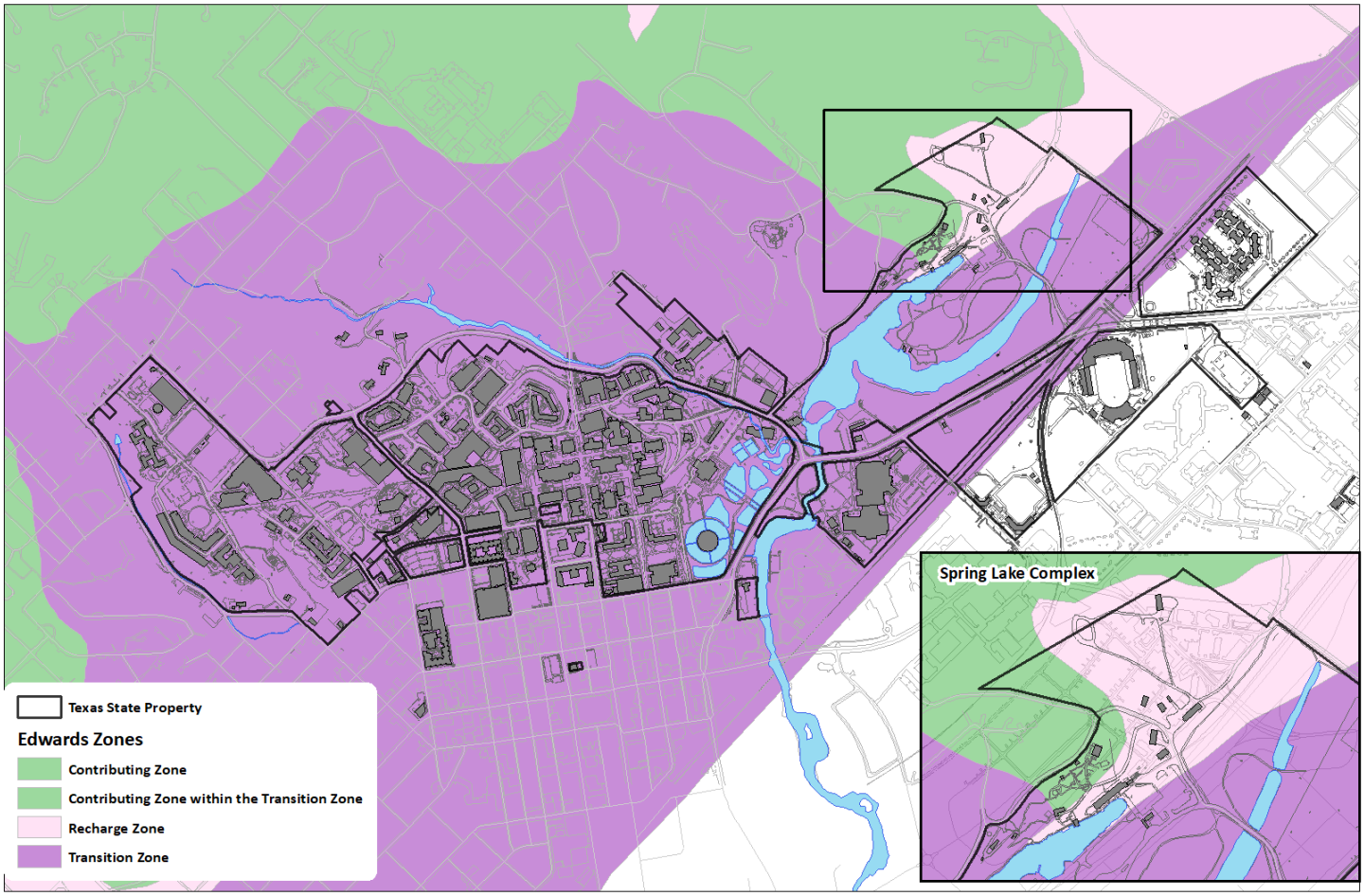
For existing discharges, the requirements of the TCEQ-approved Water Pollution Abatement Plan (WPAP) under the Edwards Aquifer Rule are in addition to the requirements of this general permit. BMPs and maintenance schedules for structural stormwater controls, for example, may

be required as a provision of the rule. All applicable requirements of the Edwards Aquifer Rule for reductions of suspended solids in stormwater runoff are in addition to the effluent limitation requirements found in Part VII.E.7. of this general permit.

The permittee's TCEQ-approved WPAPs that the Edwards Aquifer Rule requires must be referenced in the SWMP. Additional TCEQ-approved WPAPs received after the SWMP submittal must be recorded in the annual report required by this general permit for each respective permit year. For discharges originating from the small MS4 permitted area and located on or within ten stream miles upstream of the Edwards Aquifer recharge zone, applicants must also submit a copy of the MS4 Notice of Intent (NOI) to the appropriate TCEQ Regional Office with each WPAP application.

Texas State University Approved WPAPs:

Project Name	**TCEQ Approval Number**	**Date Approved**
Freeman Ranch Multipurpose Education Facility	**09031302**	May 1, 2009
Texas State University Anthropology Department	**11002172**	November 12, 2020
Freeman Ranch Mobile Home	**11003839**	March 1, 2024



Direct Discharges to Impaired Water Bodies Without an Approved TMDL

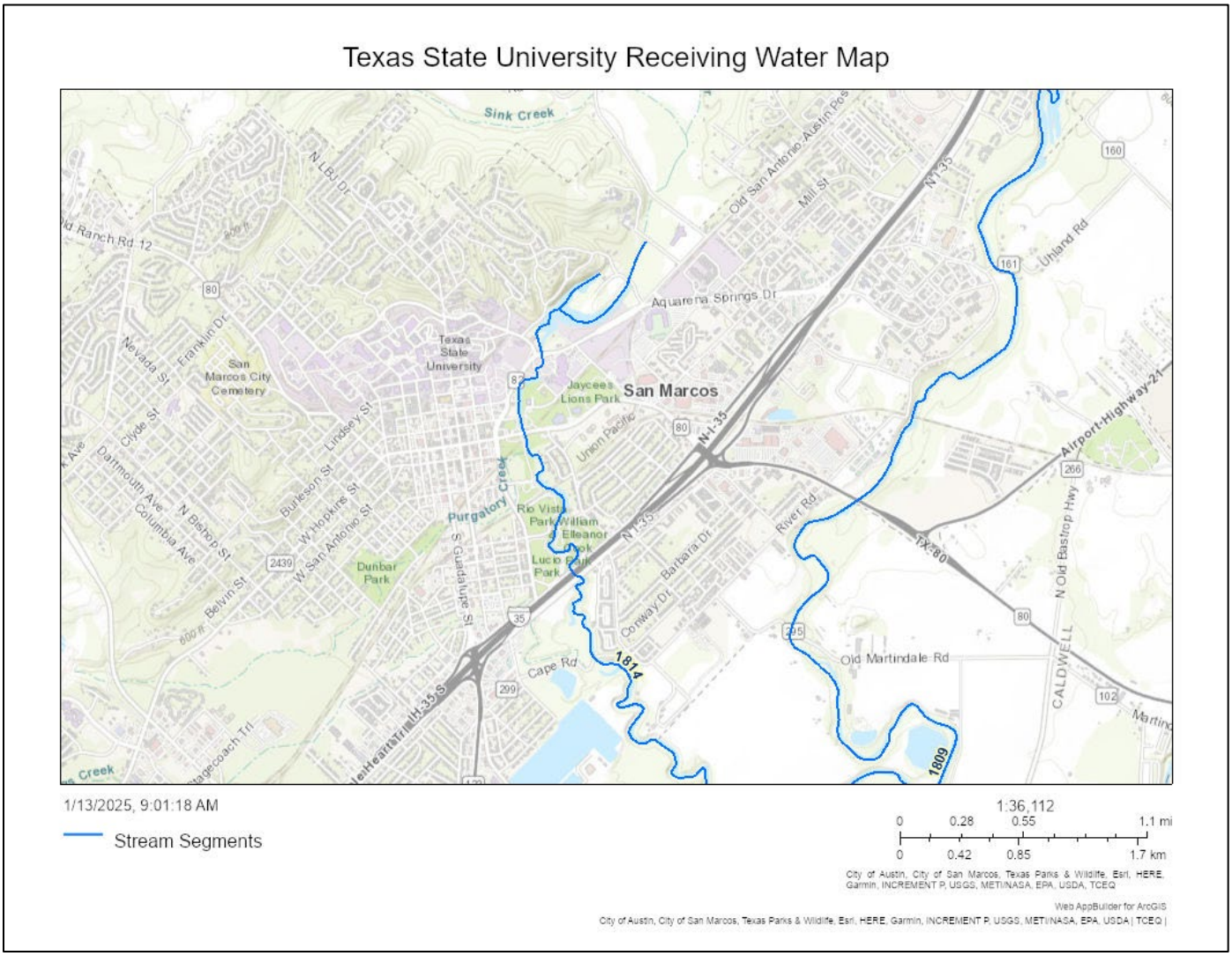
As outlined in this SWMP, Texas State University will adhere to Part III, Section B. regarding discharges directly to impaired water bodies without an approved TMDL. Stormwater is discharged both directly and indirectly into the Upper San Marcos River (Segment 1814_01), which is impaired due to elevated Total Dissolved Solids (TDS). Texas State University actively participates in the Upper San Marcos Watershed Protection Plan. The Upper San Marcos River was first listed on the TCEQ's 303(d) list of impaired water bodies in 2010 for exceeding TDS standards. Although Segment 1814 was delisted in 2014, it was relisted in 2024 for the same TDS exceedance. The Upper San Marcos Watershed Protection Plan will resume efforts to address this impairment, identify potential sources of pollution, and develop and implement Best Management Practices (BMPs) as needed.

Table 1 - Water Quality Summary for Receiving Waters

Classified Water Body Watershed	**Receiving Water Body Name**	**Receives Stormwater Directly or Indirectly**	**303(d) List**	**TMDL/I-Plan or WPP**	**Listed Water Quality Concerns**
Guadalupe River Basin	Upper San Marcos River (Segment 1814_01, _02, 03, 04)	Directly	Yes	EPA Accepted Watershed Protection Plan	Total Dissolved Solids

Date Verified:

Figure 2 - Receiving Waters Map



3 COMPLIANCE APPROACH

San Marcos's SWMP outlines specific actions the university will take over the five-year permit term covered by the 2024 TPDES Small MS4 GP to reduce pollutants and protect the campus's stormwater quality. The SWMP also sets measurable goals and provides a schedule for implementing the BMPs.

Best Management Practice (BMP) Selection Process

The university assessed existing program elements set forth during the previous permit term, modified as necessary, and is implementing new elements to continue reducing the discharge of pollutants from the MS4 to the maximum extent practical (MEP). As a result, BMPs described in the previous permit were replaced with the following BMPs outlined in this SWMP.

Legal Authority and Regulatory Mechanisms

The university will review and revise, as needed, its relevant policies or other regulatory mechanism(s), or adopt new policies or other regulatory mechanism(s) that provide the university with adequate legal authority to control pollutant discharges into and from our MS4. The Texas State University Policy and Procedure Statement (UPPS) No. 04.05.16 for Campus Stormwater Management was adopted in 2015. Texas State University will maintain written procedures and standard operating practices, as required per the 2024 MS4 GP, as separate documents since those documents may require updating as needed.

TPDES Construction General Permit (CPG) - The TCEQ regulates stormwater discharges from most construction activity through the TPDES CGP No. TXR150000. For construction sites disturbing one acre or more, a stormwater pollution prevention plan (SWPPP) must be developed and site controls must be installed, such as silt fence, inlet protection, and a stabilized construction site entrance, to minimize the discharge of sediment and other pollutants from the construction site. When construction is complete and the site is re-vegetated or otherwise stabilized, the control measures may be removed.

Texas State University referenced the TCEQ construction general permit in the university policy and procedure statement for compliance consistency.

Allowable Non-Stormwater Discharges

The following non-stormwater sources may be discharged from the small MS4 and are not required to be addressed in the small MS4's Illicit Discharge and Detection or other minimum

control measures, unless they are determined by the permittee or TCEQ to be significant contributors of pollutants to the small MS4, or they are otherwise prohibited by the MS4 operator:

1. Water line flushing (excluding discharges of hyperchlorinated water, unless the water is first dechlorinated and discharges are not expected to adversely affect aquatic life);
2. Runoff or return flow from landscape irrigation, lawn irrigation, and other irrigation utilizing potable water, groundwater, or surface water sources;
3. Discharges from potable water sources that do not violate Texas Surface Water Quality Standards;
4. Diverted stream flows;
5. Rising ground waters and springs;
6. Uncontaminated groundwater infiltration;
7. Uncontaminated pumped groundwater;
8. Foundation and footing drains;
9. Air conditioning condensation;
10. Water from crawl space pumps;
11. Individual residential vehicle washing;
12. Flows from wetlands and riparian habitats;
13. Dechlorinated swimming pool discharges that do not violate Texas Surface Water Quality Standards;
14. Street wash water excluding street sweeper wastewater;
15. Discharges or flows from emergency fire-fighting activities (emergency fire-fighting activities do not include washing of trucks, runoff water from training activities, test water from fire suppression systems, and similar activities);
16. Other allowable non-stormwater discharges listed in 40 CFR § 122.26(d)(2)(iv)(B)(1);
17. Non-stormwater discharges that are specifically listed in the TPDES Multi-Sector General Permit (MSGP) TXR050000 or the TPDES Construction General Permit (CGP) TXR150000;
18. Discharges that are authorized by a TPDES or NPDES permit or that are not required to be permitted; and
19. Other similar occasional incidental non-stormwater discharges such as spray park water, unless the TCEQ develops permits or regulations addressing these discharges.

Endangered Species Act

Texas State University will ensure compliance with Part II, Section E(8) of the 2024 MS4 GP.

Recordkeeping and Reporting

Texas State University will ensure compliance with Part V, Sections A & B of the 2024 MS4 GP.

4 TEXAS STATE MS4 PROGRAM

The Texas State University is a Level 2b MS4 based on the 2020 Census.

Level 2b

Operators of all non-traditional small MS4s such as counties, drainage districts, transportation entities, military bases, universities, colleges, correctional institutions, municipal utility districts and other special districts regardless of population served within the "urban area with a population of at least 50,000 people", unless the non-traditional MS4 can demonstrate that it meets the criteria for a waiver from permit coverage based on the population served.

Definitions

TXR040000, Part 1. Definitions

See definitions in the Texas Pollutant Discharge Elimination System (TPDES) Small Phase II Municipal Separate Storm Sewer Systems Permit, TXR040000.

Minimum Control Measures (MCMs)

The Texas State University will comply with BMPs chosen for each MCM as listed in the NOI. Descriptions of each MCM, as well as the university's applicable BMPs are outlined in this SWMP. The Texas State University may partner with the City of San Marcos to maximize outreach for MCM 1 Public Education & Outreach and MCM 2 Public Involvement/Participation per *TXR040000, Part IV, Section D.1(a)(3)d and Part IV, Section D.2(c)* which states that Small MS4 operators may partner with other MS4 operators to maximize the program and cost-effectiveness of the required outreach, public involvement/participation activities. This partnership may vary from permit year to permit year and will be reported in Texas State's annual report if the partnership occurs during that permit year.

MCM 1: Public Education and Outreach

TXR040000, Part III and Part IV, Section D.1

The Texas State University will target the following audiences for Education and Outreach Programs:

- Traditional MS4s and counties must address the residents served by the MS4.
- Developers or Construction Site Operations

Target Audiences and Target Pollutants

Target Audience	Target Pollutants
Construction Operations	Sediment runoff from construction activities
Staff/Students/Faculty	Floatables/Litter/Rubbish
Campus Visitors	General pollutants

MS4 Level	Minimum Number of Public Education and Outreach BMPs
Level 2b	Four (4) BMPs

MCM 1 - Required Public Education and Outreach BMPs

BMP No.	BMP	Target Audience	Target Pollutant	Measurable Goal
1.01	Information on the MS4 operator's website.	Staff/Students/Faculty	Floatables/Litter/ Rubbish and general pollutants	Maintain a webpage with current, 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.**
1.02	Social Media posts, social media campaign.	Staff/Students/Faculty	Floatables/Litter/ Rubbish and general pollutants	Post a **minimum of four times each year on a minimum of one social media platform**. The message must address ways attendees can minimize or avoid adverse stormwater impacts or practices to improve the quality of stormwater runoff. The messages must be seasonally appropriate. Posts must be visible to the public for the full year each year.

1.03	Maintain or mark storm drains and inlets with, "No Dumping – Drains to Creek" or a similar message.	Construction Operations, Staff/Students/Faculty, Campus Visitors	General Pollutants including sediment discharges	**Placard, stencil, or paint at least 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 the MS4 operator or impairment watersheds within the MS4 **area each year.**
1.04	Targeted educational campaign via mail, email, or in person.	Staff/Students/Faculty	Floatables/Litter/ Rubbish and general pollutants	**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. (Examples: Sediment control with small building permit; leaf litter email during street sweeping season; or education brochure to all businesses conducting a certain activity)

MCM 2: Public Involvement/Participation

TXR040000, Part III and Part IV, Section D.2

Public Involvement and Participation

All permittees, except prisons/correctional facilities, shall involve the public, and, at minimum, comply with any state and local public notice requirements in the planning and implementation activities related to developing and implementing the SWMP. The small MS4 operator must create opportunities, or support activities that are coordinated by citizen groups, for residents and others to become involved with the SWMP. The activities/BMPs must demonstrate an impact on stormwater runoff by improving water quality.

Over the permit term, the Texas State University shall implement the following three (3) public involvement/participation activities and measurable goals annually:

Public Involvement/Participation Minimums

MS4 Level	Public Education & Outreach BMPs Permit Years 1-5
Level 2b	Three (3) BMPs

Required Public Involvement and Participation BMPs

BMP No	Activity/BMP	Measurable Goal
2.01	Stream/lake or watershed clean-up events; litter/trash clean-up events such as Adopt-A-Highway, Adopt-A-Spot, Adopt-A-Street, Adopt-A-Stream, etc.	**Host at least two events annually.** For consideration, the land area cleaned must be at least: • Two acres • 400 yards of a stream, streambank, riparian area, or • Two miles of roadside You can combine these, such as one acre of land and 200 yards of stream.
2.02	Volunteer water quality monitoring	**Host or support at least one event annually**. Conduct monitoring annually to be considered an event.
2.03	Educational display/booth	**Create one booth or display annually at a school, public event, or similar event** that provides information or displays to improve public understanding of issues related to water quality. Staff the booth or display when the event is open to the public.

MCM 3: Illicit Discharge Detection and Elimination (IDDE)

TXR040000, Part III and Part IV, Section D.3

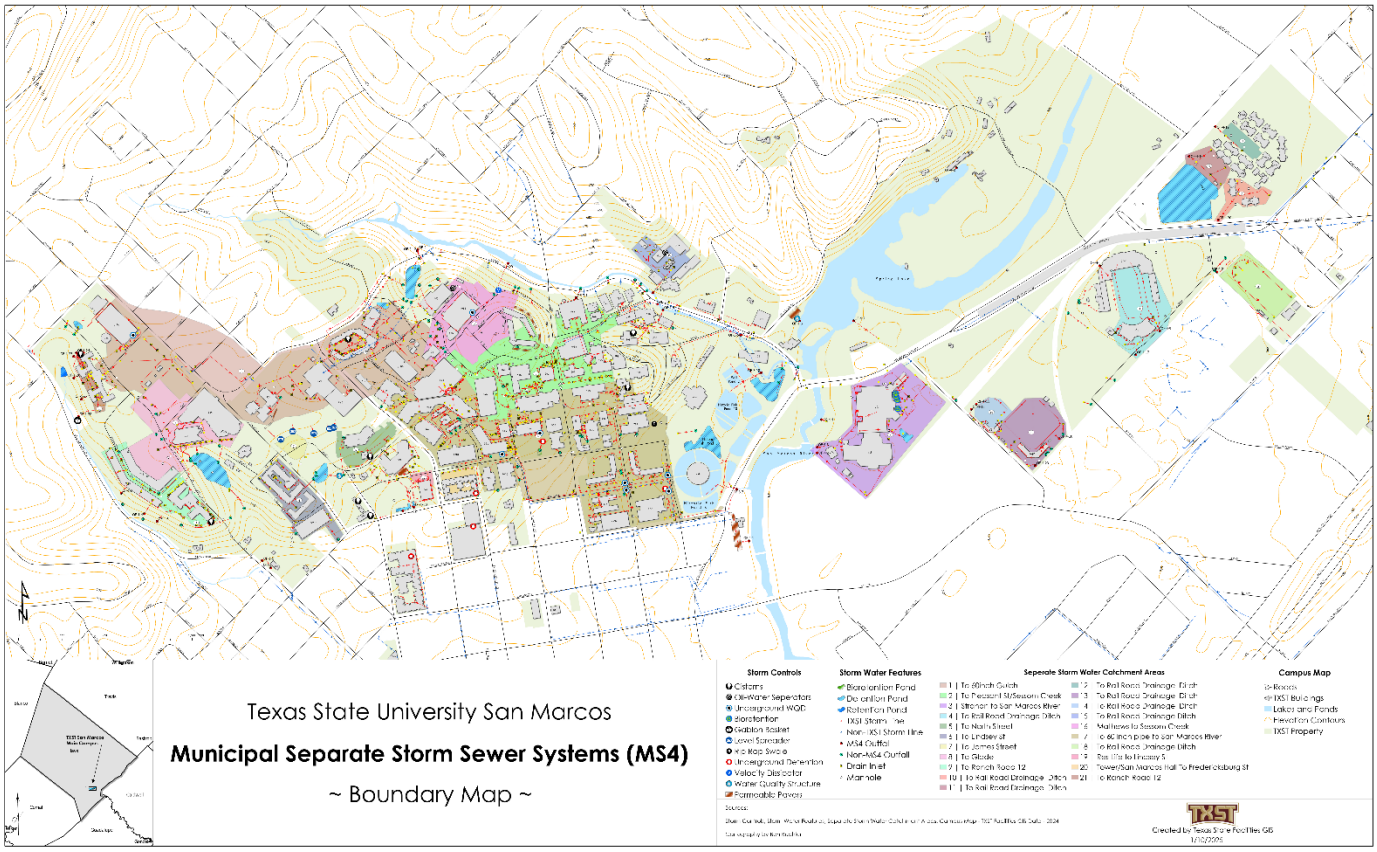
MS4 Map

TXR040000, Part IV, Section D.3.c.1

The Texas State University maintains a current and accurate MS4 map using our internal GIS maps. The map is continuously updated as new development, and redevelopments occur on campus.

The map must include:

- The location of all the outfalls operated by the MS4 that discharge into Waters of the State
- The location and name of all surface waters receiving discharges from the outfalls.
- Date of last revision – 01/10/2025



IDDE Education and Training

TXR040000, Part IV, Section D.3.c.2

Educate and Train MS4 Field Staff on IDDE

Conduct at least one training annually for 100% of field staff that may encounter or observe illicit discharges, illegal dumping, or illicit connections during normal job duties or responsibilities.

Document Training Activities

Use this log to record the training dates and topics covered, and note whether the training is:

- An in-person presentation,
- **A training video**,
- **Training material to read, or**
- **Some other type of training.**

Have attendees print their name, title, and sign the attendance log sheet. Maintain training attendance records for review by TCEQ when requested.

Public Reporting of Illicit Discharges and Spills

TXR040000, Part IV, Section D.3.c.3

The Texas State University publicizes and facilitates public reporting of illicit discharges, illegal dumping, or water quality impacts associated with discharges into or from the small MS4 using an online reporting form. This reporting form is emailed to the Stormwater Program once submitted and is located at:

https://www.txst.edu/stormwater/about/report-spill-illicit-discharge/initial-idde-response-form.html

In addition, Texas State University routes illegal dumping complaints to the City of San Marcos when appropriate based on location, and the university utilizes CAPCOG's NO-DUMPS hotline for reporting illegal dumping anonymously anytime by calling 1-877-NO-DUMPS (1-877-663-8677).

These reporting mechanisms will be utilized continuously throughout the entire term of this permit. Tracking online and complaints referred are entered into the Texas State University's stormwater website and phone number for tracking and reporting purposes.

IDDE Response Procedures

TXR040000, Part IV, Section D.3.c.4

Develop and Maintain IDDE Response Procedures

The Texas State University monitors and responds to IDDE complaints and emergencies. Procedures may include:

- Emergency response contact information
- How to manage incoming complaints

- Instructions for necessary reports

These procedures will be reviewed at least once annually and changes/updates made when necessary.

Source Investigation and Elimination

TXR040000, Part IV, Section D.3.c.5

Investigate and Eliminate Illicit Discharges and Illegal Dumping

Investigate all reports of illicit discharges and illegal dumping. Prioritize the investigations of discharges and dumping incidents based on their risk of pollution.

- Respond to 100% known illicit discharges and illegal dumping incidents each year and investigate the sources of the incidents.
- Document all investigations for every source investigation conducted.
- Immediately notify TCEQ of the occurrence of any illicit flows believed to be an immediate threat to human health or the environment.
- Notify the party responsible and require them to perform all necessary corrective actions to eliminate the illicit discharge and illegal dumping.
- For illicit discharges and illegal dumping incidents where your MS4 does not have authority, the adjacent MS4 operator or applicable TCEQ regional office should be notified.

IDDE and Illegal Dumping Inspection Procedures & Response to Complaints

TXR040000, Part IV, Section D.3.c.6

Develop and Maintain Inspection Procedures

Develop, review, update, and maintain written procedures describing the basis for conducting inspections in response to complaints and follow-up inspections to ensure corrective measures have been taken. Inspection instructions must be reviewed at least once annually to address changes and make improvements.

Corrective Action to Eliminate Illicit Discharges and Illegal Dumping

Conduct inspections in response to 100% of complaints each year according to the established procedures.

Conduct follow-up investigations or field screening in response to 100% of notifications each year. Complete the follow-up investigations within five business days, on average.

Conduct follow-up inspections in 100% of cases each year where necessary as described in the established procedures.

Require the responsible party to perform all necessary corrective actions to eliminate the illicit discharge.

	BMP	Measurable Goal Permit Years 1-5
3.01	Maintain a current and accurate MS4 map as described in Part IV.D.3.(c)(1).	Review and update, as necessary, **at least one time annually** to include features that have been added, removed, or changed.
3.02	Conduct training for all the permittee's field staff as described in Part IV.D.3.(c)(2). Training may be conducted in person or using self-paced training materials such as videos or reading materials.	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.
3.03	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).	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.
3.04	Develop and maintain procedures for responding to illicit discharges, illegal dumping, and spills as described in Part IV.D.3.(c)(4).	Review and update the procedures **at least one time annually** to address changes and make improvements to the established procedures where applicable.
3.05	Source investigation and elimination of illicit discharges and illegal dumping as described in Part IV.D.3.(c)(5).	**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.** **Notify TCEQ immediately of 100% of illicit flows believed to be an immediate threat to human health or the environment throughout the permit term.**
3.06	Corrective action to eliminate illicit discharges and illegal dumping as described in Part IV.D.3.(c)(5).	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.
3.07	Inspection Procedures as described in Part IV.D.3.(c)(6).	Review and update the procedures **at least one time annually** to address changes and make improvements to the established procedures where applicable.

3.08	Inspections in response to complaints as described in Part IV.D.3.(c)(6).	**Conduct inspections in response to 100% of complaints** each year according to the established procedures. **Conduct follow-up inspections in 100% of cases each year** where necessary as described in the established procedures.

MCM 4: Construction Site Stormwater Runoff Control

TXR040000, Part IV, Section D.4

Stormwater Control Program

TXR040000, Part IV, Section D.4.b.1-2

Develop and Maintain University Policies and Procedures

The Texas State University requires all construction site operators to implement appropriate erosion and sediment control BMPs. The stormwater control program should ensure erosion and sediment controls, soil stabilization, and BMP requirements are effectively implemented for all construction activities discharging stormwater into your regulated area consistent with the TPDES CGP TXR150000.

UPPS 04.05.16:

Passed - 2014
Updated - 2019
Updated - 2024

Construction Site Plan Review Procedure

TXR040000, Part IV, Section D.4.b.3

Implement Site Plan Review Procedures

Develop and maintain procedures for reviewing construction site plans. Describe which plans will need review and when an operator can begin construction. Non-traditional MS4s must conduct inspections of sites operated by the MS4 or contractors that are located in the MS4's regulated area

Site plan review procedures should include:

- Consideration of potential water quality impacts.
- Site-specific construction site control measures that meet the requirements of TPDES CGP TXR150000.

Review and update the procedures for your site plan reviews at least once annually to address changes and revise the procedures if necessary.

Construction Site Inspections and Enforcement Procedure

TXR040000, Part IV, Section D.4.b.4

Implement Site Inspection Procedures

Develop and maintain procedures for inspecting active construction projects. Non-traditional MS4s must conduct inspections of sites operated by the MS4 or contractors that are located in the MS4's regulated area.

Conduct inspections of at least 80% of active construction sites annually. Inspect site factors that may impact water quality, such as:

- Site slope and soil erosion potential.
- Project size and type.
- Proximity to and the sensitivity of receiving water bodies.
- Non-stormwater discharges.
- Past record of non-compliance by construction site operators.

Inspections of construction sites should evaluate the following:

- Site CGP TXR150000 coverage.
- Stormwater control measures implementation and maintenance.
- Compliance with MS4 ordinance(s) and other regulations.

Review and update inspection procedures at least once annually to address changes and make improvements to the procedures if necessary.

Information Submitted by the Public

TXR040000, Part IV, Section D.4.b.5

Create Procedures for Processing Public Comments

Develop, implement, and maintain procedures for receiving and considering information submitted by the public. Throughout the permit term, maintain one webpage, hotline, email, or a similar method for receiving information submitted by the public.

Review and update procedures at least once annually to address changes and make improvements to the procedures if necessary.

MS4 Staff Training

TXR040000, Part IV, Section D.4.b.6

Educate and Train Employees

Ensure that all staff whose primary job duties are related to implementing the construction stormwater program (including permitting, plan review, construction site inspections, and enforcement) are informed or trained to conduct these activities. The training may be conducted by MS4 staff or by outside trainers.

Conduct at least one training annually for 100% of all MS4 staff whose primary job duties are related to implementing the construction stormwater program. Training may be conducted in person or using self-paced training materials, such as videos or reading materials.

Document Training Activities

Use this log to document any training activities. Record the training date, topics covered, and note whether the training is:

- **An in-person presentation**,
- **A training video**,
- Training material to read, or
- **Some other type of training**.

Have attendees print their name, title, and signature on the attendance log sheet. Keep records of attendance for review by TCEQ when requested.

Required Construction Site Stormwater Runoff Control BMPs

BMP No	Activity/BMP	Measurable Goals December - Permit Years 1-5
4.01	Develop and maintain an ordinance or other regulatory mechanism as described in Part IV.D.4.(a).	**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.
4.02	Prohibit discharges as described in Part IV.D.4.(b)(2).	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.
4.03	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).	**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.
4.04	Implement procedures for inspecting large and small construction projects as described in Part IV.D.4.(b)(4).	**Review and update inspection procedures at least one time annually** to address changes and make improvements to the established procedures where applicable.
4.05	Conduct construction site inspections as described in Part IV.D.4.(b)(4).	**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).
4.06	Develop, implement, and maintain procedures for receipt and consideration of information submitted by the public as described in Part IV.D.4.(b)(5).	**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.

4.07	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). Training may be conducted in person or using self-paced training materials such as videos or reading materials.	**Conduct a minimum of one training annually for 100% of MS4 staff** whose primary job duties are related to implementing the construction stormwater program.

MCM 5: Stormwater Structural Controls Program for New & Redevelopment

TXR040000, Part IV, Section D.5

Post-Construction Stormwater Management Program

TXR040000, Part IV, Section D.5.a.2

Develop and Maintain City Ordinances

Require all construction site operators to implement appropriate erosion and sediment control BMPs. The stormwater control program should ensure erosion and sediment controls, soil stabilization, and BMP requirements are effectively implemented for all construction activities discharging stormwater into your regulated area consistent with the TPDES CGP, TXR150000.

Review and update inspection procedures at least once annually to address changes and make improvements to the procedures if necessary.

Enforcement Records

TXR040000, Part IV, Section D.5.b.1

Follow recordkeeping requirements

Maintain records of 100% of enforcement actions taken each year and make the records available to TCEQ for review within 24 hours of a request.

Long-Term Maintenance of Post-Construction Stormwater Control Measures: Instructions

TXR040000, Part IV, Section D.5.b.2

Required Maintenance Plan for Structural Stormwater Control Measures

Long-term operation and maintenance of structural stormwater control measures should be addressed in one or both of the following ways:

- Maintenance performed by the MS4, or
- Maintenance performed by the owner or operator of a new development or redeveloped site under a maintenance plan.

If maintenance is performed by the owner or operator of a construction site, they must develop and implement a plan to address maintenance requirements for any structural control measures installed on-site.

All maintenance performed should be documented and retained on-site and be made available for review by your operator or TCEQ within 24 hours of a request.

Required Stormwater Structural Controls Program for New Development & Redevelopment BMPs

BMP No	Activity/BMP	Measurable Goals
5.01	Develop and maintain an ordinance or other regulatory mechanism as described in Part IV.D.5.(a)(2).	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.
5.02	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).	**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.
5.03	Ensure the long-term operation and maintenance of structural stormwater control measures installed as described in Part IV.D.5.(b)(2).	**Each year, implement a maintenance plan and schedule established by the small MS4 operator addressing 100% of stormwater control measures 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, **onsite of 100% of the maintenance performed** and made available for review by the small MS4 operator or TCEQ within 24 hours of the request.

MCM 6: Pollution Prevention and Good Housekeeping for Municipal Operations

TXR040000, Part IV, Section D.6

Develop and implement an O&M program, including an employee training component designed to prevent or reduce pollutant runoff from municipal activities and municipally owned areas including but not limited to:

- Parks and open-space maintenance
- Stormwater system maintenance
- New construction and land disturbances
- Municipal parking lots
- Maintenance and storage yards for vehicles and equipment
- Waste transfer stations
- Salt and sand storage locations

Updates and Recordkeeping
Maintain records of 100% of enforcement actions taken each year and make the records available to TCEQ for review within 24 hours of a request.

MS4-Owned Facilities and Control Inventory

TXR040000, Part IV, Section D.6.b.1

Create an Inventory of Facilities and Stormwater Controls
Develop and maintain an inventory of facilities and stormwater controls you own and operate in your MS4's regulated area. The inventory must include all permit numbers, registration numbers, and authorizations for each facility or stormwater control.

Review and update the inventory at least once annually to address changes or additions to the facilities and stormwater controls.

MS4 Training and Education

TXR040000, Part IV, Section D.6.b.2

Train MS4 Employees
Train all employees and contractors involved in implementing pollution prevention and good housekeeping practices. Conduct this training at least once annually.

Document Training Activities
Use a log to document any training activities or maintain training certificates. Record the training dates and topics covered, and note whether the training was:

- An in-person presentation,
- **A training video,**

- **Training material to read, or**
- **Some other type of training.**

For In-House training, have attendees provide their name, and signature on the attendance log sheet. Keep records of attendance for review by TCEQ when requested.

Contractor Oversight Procedures

TXR040000, Part IV, Section D.6.b.4

Develop Contractor Oversight Procedures
Any contractors hired to perform maintenance activities on an MS4's facilities must be contractually required to comply with all stormwater control measures, good housekeeping practices, and facility-specific stormwater management operating procedures.

Develop oversight procedures to ensure contractors are using appropriate control measures and standard operating procedures. Maintain these records on-site so they're available for review when requested by TCEQ.

Contractor Oversight Procedures:

Date Last Revised: 01/31/2024
How will you ensure that contractors are using appropriate stormwater control measures?

Contractors will be contractually obligated to adhere to relevant Texas State University policies and procedures and to Texas Phase II Small MS4 requirements.

How will you ensure that contractors are using appropriate standard operating procedures?

Complaint submission forms will be available to all faculty, staff, and students. Accordingly, a standardized complaint follow-up procedure for all contractor complaints will be developed within the first year of the new permit.

O&M Evaluation

TXR040000, Part IV, Section D.6.b.5.a-b

Identify Potential Pollutants
Evaluate O&M activities and identify their potential to discharge pollutants in stormwater.

Potential Pollutants and Pollutant Sources

Potential Pollutants	Potential Pollutant Sources
Paint, paving materials, sediment	Road and parking lot maintenance
Herbicides, pesticides, trash	Right-of-way maintenance
Sand, and other de-icing measures	Cold weather operations

Review and update the pollutants of concern list at least once annually to address changes or additions to O&M activities.

O&M Pollution Prevention Measures

TXR040000, Part IV, Section D.6.b.5.c

Implement Pollution Prevention Measures

Develop a set of pollution prevention measures to reduce the discharge of pollutants listed in the O&M Evaluation Worksheet.

O&M Pollution Prevention Inspection Procedures

TXR040000, Part IV, Section D.6.b.5.d

Develop Pollution Prevention Inspection Procedures
At least once annually, visually inspect 100% of all pollution prevention measures implemented at MS4-owned facilities to ensure that they are working properly.

Develop written procedures that describe the frequency of inspections and how to conduct them.

Review and update the inspection procedures at least once annually to address changes or additions to pollution prevention measures.

Maintain Proper Records
Keep a record log of all inspections available for review by TCEQ when requested.

Structural Control Maintenance Procedures

TXR040000, Part IV, Section D.6.b.6

Develop Structural Control Maintenance Procedures
At least once annually, perform necessary maintenance on stormwater structural controls. Develop written procedures that describe the frequency of inspections and how to conduct them.

Review and update the maintenance procedures at least once annually to address changes or additions to the pollution prevention measures.

Required Pollution Prevention and Good Housekeeping for Municipal Operations BMPs

BMP No	Activity/BMP	Measurable Goals December - Permit Years 1-5
6.01	Permittee-owned Facilities and Control Inventory as described by Part IV.D.6.(b)(1).	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.
6.02	Training and Education as described in Part IV.D.6.(b)(2). Training may be conducted in person or using self-paced training materials such as videos or reading materials.	**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.
6.03	Disposal of Waste Material as described in Part IV.D.6.(b)(3).	**Ensure that 100% of waste from the MS4 is disposed of in accordance with 30 TAC Chapters 330 or 335,** as applicable each year.
6.04	Contractor Requirements and Oversight as described in Part IV.D.6.(b)(4).	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)-(6). **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.
6.05	Assessment of permittee-owned operations as described in Part IV.D.6.(b)(5)a.	**Evaluate 100% of O&M activities, in conjunction with procedure reviews if appropriate, for their potential to discharge pollutants in stormwater annually including but not limited to:** • Road and parking lot maintenance, including such areas as pothole repair, pavement marking, sealing, and re-paving;

		• Bridge maintenance, including such areas as re-chipping, grinding, and saw cutting; • Cold weather operations, including plowing, sanding, and application of deicing and anti-icing compounds and maintenance of snow disposal areas; and • Right-of-way maintenance, including mowing, herbicide and pesticide application, and planting vegetation.
6.06	Identify pollutants of concern as described in Part IV.D.6.(b)(5)b.	**Identify pollutants of concern that could be discharged from all of the O&M activities described in Part IV.D.6.(b)(5)b and maintain a list of 100% of the pollutants identified.** **Review and update the pollutants of concern list at least one time annually** to address changes or additions to the O&M activities where applicable.
6.07	Pollution Prevention Measures as described in Part IV.D.6.(b)(5)c.	Develop and implement a set of pollution prevention measures that will reduce the discharge of pollutants in stormwater from the permittee-owned operations. **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; and~~ • **Place barriers around or conduct runoff away from 100% of deicing chemical storage areas to prevent discharge into surface waters each year.**
6.08	Inspection of Pollution Prevention Measures as described in Part IV.D.6.(b)(5)d.	**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 once 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.
6.09	Structural Control Maintenance as described by Part IV.D.6.(b)(6).	**At least once annually, perform maintenance of 100% of the structural controls that 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.**

Section B. Discharges Directly to Water Quality Impaired Water Bodies Without an Approved TMDL

Part III, Section B

The permittee shall also determine whether the permitted discharge is directly to one or more water quality impaired water bodies where a TMDL has not yet been approved by TCEQ and EPA. If the permittee discharges directly into an impaired water body without an approved TMDL, the permittee shall perform the following activities:

1. **Discharging a Pollutant of Concern**
   (a) The permittee shall determine whether the small MS4 may be a source of the POCs by referring to the CWA § 303(d) List and then determining if discharges from the MS4 would be likely to contain the POCs at levels of concern.
   (b) If the permittee determines that the small MS4 may discharge the POCs, the permittee shall ensure that the SWMP includes focused BMPs, along with corresponding measurable goals, that the permittee will implement, to reduce, the discharge of POCs that contribute to the impairment of the water body.
   (c) In addition, the permittee shall submit an NOC to amend the SWMP in accordance with Part II.F.6 to include any additional BMPs to address the POCs. This requirement does not apply to BMPs implemented to address impaired waters that are listed after a small MS4's permit authorization pursuant to Part III.
2. **Impairment for Bacteria**

   Where the impairment is for bacteria, the permittee shall identify potential significant sources and develop and implement focused BMPs for those sources. The permittee must implement the BMPs listed in Part III.A.5 and Table 1 for the identified sources. The BMPs shall, as appropriate, address the following including Table 1.:

   (a) Sanitary Sewer Systems
      (1) Make improvements to sanitary sewers to reduce overflows;
      (2) Address lift station inadequacies;
      (3) Improve reporting of overflows; and
      (4) Strengthen sanitary sewer use requirements to reduce blockage from fats, oils, and grease.

(b) On-site Sewage Facilities (for entities with appropriate jurisdiction)

(1) Identify and address failing systems; and

(2) Address inadequate maintenance of on-site sewage facilities (OSSFs) (i.e., septic systems).

(c) Illicit Discharges and Dumping

Place additional effort to reduce waste sources of bacteria, for example, from OSSFs, grease traps, and grit traps.

(d) Animal Sources

Expand existing management programs to identify and target animal sources such as zoos, pet waste, and horse stables.

(e) Residential Education

Increase focus to educate residents on:

(1) Bacteria discharging from a residential site either during runoff events or directly;

(2) Fats, oils, and grease clogging sanitary sewer lines and resulting overflows;

(3) Maintenance and operation of decorative ponds; and

(4) Proper disposal of pet waste.

3. Annual Report

The annual report must include information on compliance with the Discharges Directly to Water Quality Impaired Water Bodies Without an Approved TMDL section, including results of any sampling conducted by the permittee.

APPENDICES

Appendix A - Endangered Species Act

Appendix B - Notice of Intent (NOI) and General Permit Authorization

Appendix C - Notice of Changes (NOCs)

Appendix D - Records of Updates/Changes

Appendix E - TXST MS4 Map

Appendix F - TCEQ MS4 Permit Correspondence

Texas State University TXR040427 SWMP

Endangered Species Statement

Environmentally Sensitive Areas

Environmentally sensitive areas at Texas State include the headwaters of the San Marcos River, areas within the Edwards Aquifer Recharge Zone (EARZ), and critical habitat areas for federal and state-listed threatened and endangered species. The headwaters of the San Marcos River, Spring Lake, is located near the Meadows Center for Water and the Environment on the northeast side of the campus.

Texas State University's MS4 (TXR040427) acknowledges its potential to discharge to Waters of the State, serving as critical habitat for federally listed endangered species. As such, Texas State University is one of five signatories to the Edwards Aquifer Habitat Conservation Plan and associated Incidental Take Permit under the Endangered Species Act.

An approved Habitat Conservation Plan (HCP) is in effect to provide assurance for covered species and suitable habitats within the San Marcos and Comal Springs. Texas State is contracted through the HCP to improve and expand Texas wild rice habitat in the San Marcos River. This includes removing non-native species of aquatic vegetation and planting native species such as Texas wild rice. Texas State University MS4 discharges into the San Marcos River and portions of the Edwards Aquifer, which contain the following threatened or endangered species (protected under the EAHCP):

Species	**Waterbody**
Peck's Cave amphipod (Stygoparnus pecki) Comal Springs dryopid beetle (Stygoparnus comalensis)	Edwards Aquifer
Comal Springs riffle beetle (Heterelmis comalensis) Texas wild-rice (Texana zizania) Fountain darter (Etheostoma Fonticola) San Marcos salamander (Eurycea nana)	Spring Lake in Hays County
Texas Blind Salamander (Eurycea rathbuni)	Water-filled caves of the Edwards Aquifer

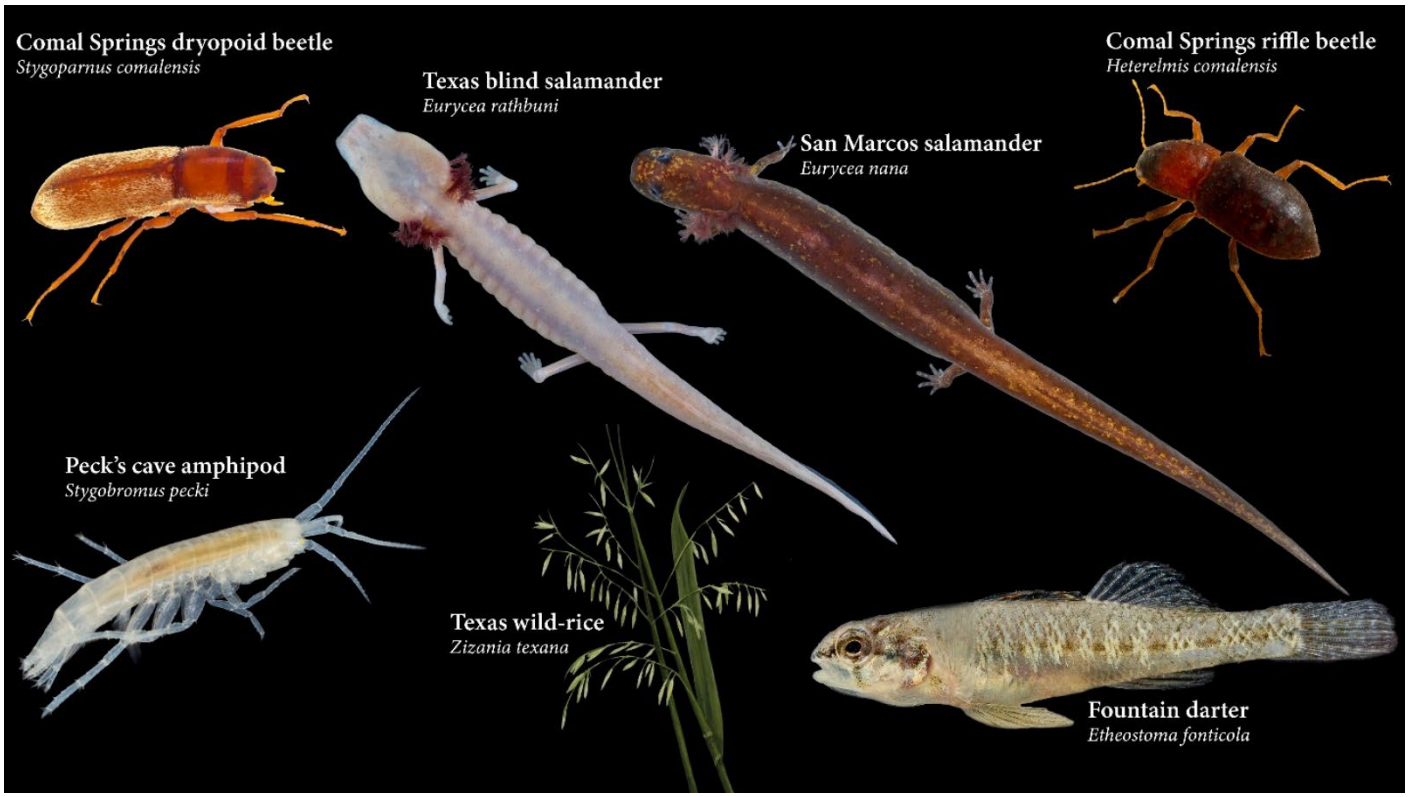


Photo Credit - Seven Listed Species of the Edwards Aquifer, All photos by John and Kendra Abbott/Abbott Nature; Texas wild-rice illustration by Kristin Simanek, Some Rights Reserved, https://www.fws.gov/media/seven-listed-species-edwards-aquifer

Additional Information regarding these species can be found below:

- Peck's Cave Amphipod
- Comal Springs Dryopid Beetle
- Comal Springs Riffle Beetle
- Texas Wild-Rice
- Fountain Darter
- San Marcos Salamander
- Texas Blind Salamander

Appendix B – Notice of Intent (NOI) and General Permit Authorization

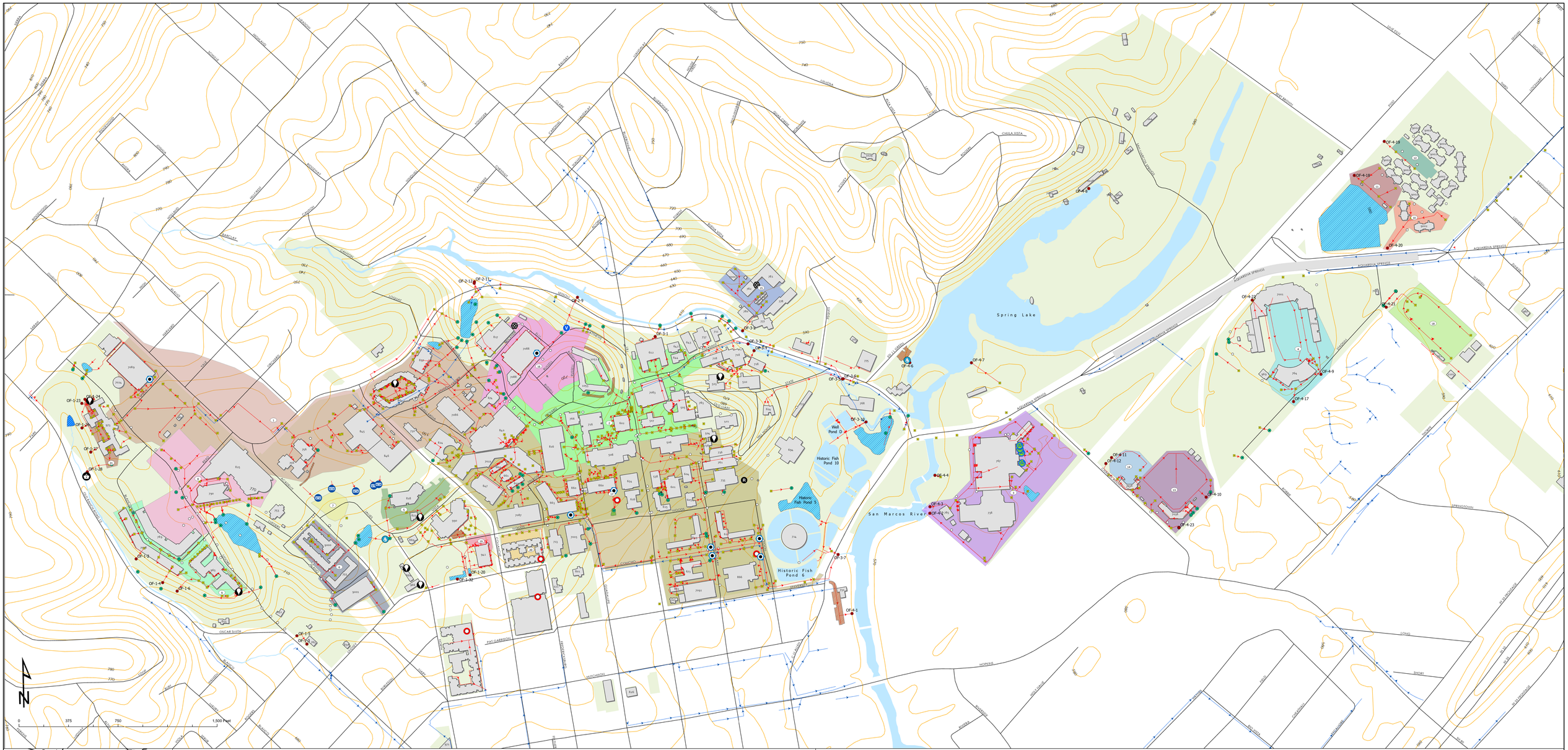
[PENDING AUTHORIZATION]

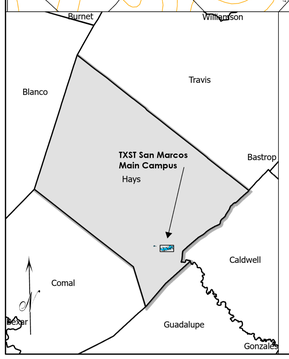
Appendix C – Notice of Changes (NOCs)

[NO NOCs HAVE BEEN SUBMITTED]

Appendix D – Record of Updates/Changes

Stormwater Management Program (SWMP)			
Permit Year	**Review Date(s)**	**Changes Made (Y/N)**	**Summary of Changes (if applicable)**
Year 1			
Year 2			
Year 3			
Year 4			
Year 5			





Texas State University San Marcos

Municipal Separate Storm Sewer Systems (MS4)

~ Boundary Map ~

Storm Controls

- Cisterns
- Oil-Water Seperators
- Underground WQD
- Bioretention
- Gabion Basket
- Level Spreader
- Rip Rap Swale
- Underground Detention
- Velocity Dissipator
- Water Quality Structure
- Permeable Pavers

Storm Water Features

- Bioretention Pond
- Detention Pond
- Retention Pond
- TXST Storm Line
- Non-TXST Storm Line
- MS4 Outfall
- Non-MS4 Outfall
- Drain Inlet
- Manhole

Seperate Storm Water Catchment Areas

- 1 | To 60inch Gulch
- 2 | To Pleasant St/Sessom Creek
- 3 | Strahan to San Marcos River
- 4 | To Rail Road Drainage Ditch
- 5 | To North Street
- 6 | To Lindsey St
- 7 | To James Street
- 8 | To Glade
- 9 | To Ranch Road 12
- 10 | To Rail Road Drainage Ditch
- 11 | To Rail Road Drainage Ditch
- 12 | To Rail Road Drainage Ditch
- 13 | To Rail Road Drainage Ditch
- 14 | To Rail Road Drainage Ditch
- 15 | To Rail Road Drainage Ditch
- 16 | Mathews to Sessom Creek
- 17 | To 60 inch pipe to San Marcos River
- 18 | To Rail Road Drainage Ditch
- 19 | Res Life to Lindsey St
- 20 | Tower/San Marcos Hall To Fredericksburg St
- 21 | To Ranch Road 12

Campus Map

- Roads
- TXST Buildings
- Lakes and Ponds
- Elevation Contours
- TXST Property

Sources:

Storm Controls, Storm Water Features, Separate Storm Water Catchment Areas, Campus Map - TXST Facilities GIS Data - 2024

Cartography by Ben Buehler

Created by Texas State Facilities GIS
1/10/2025

Appendix F – TCEQ MS4 Permit Correspondence

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

January 15, 2025

Ms. Wendy McCoy, EHSREM Director
Texas State University
601 University Dr.
San Marcos, Texas 78666-4684

Re: Municipal Separate Storm Sewer System (MS4) Focused Investigation at:
Texas State University MS4, located within the San Marcos Urbanized Area, Hays County, Texas, Regulated Entity No.: 107318248, TCEQ Additional ID: TXR040427, Investigation No.: 2028481

Dear Ms. McCoy

On December 17 and 18, 2024, Mr. Boyd Guthrie and Ms. Victoria Avila of the Texas Commission on Environmental Quality (TCEQ) Austin Region Office conducted an investigation of the above-referenced regulated entity to evaluate compliance with applicable requirements for the Stormwater Program. No violations are being alleged as a result of the investigation, however, please see the enclosed Summary of Investigation Findings.

The TCEQ appreciates your assistance in this matter and your compliance efforts to ensure protection of the State's environment. If you or members of your staff have any questions regarding these matters, please feel free to contact Mr. Guthrie in the Austin Region Office at (512)339-2929.

Sincerely,

Shawn Stewart, Water Section Manager
Austin Region Office
Texas Commission on Environmental Quality

SS/btg

Enclosures: Summary of Investigation Findings