



# **City of Dallas**

## **STORMWATER MANAGEMENT PROGRAM**



### **PY 5**

## **ANNUAL REPORT**

**TPDES Permit WQ0004396000**  
**Oct. 1, 2023 – Sept. 30, 2024**



**Stormwater Management Program**

**Municipal Separate Storm Sewer System**

**Texas Pollutant Discharge Elimination System Permit No. WQ0004396000**

**Permit Year 5 (PY5) - Annual Report**

**October 1, 2023 to September 30, 2024**

**December 20, 2024**



CITY OF DALLAS

December 20, 2024

Ms. Rebecca Villalba, P.E.  
Texas Commission on Environmental Quality (TCEQ)  
Wastewater Permitting Section, MC-148 Stormwater and Pretreatment Team  
12100 Park 35 Circle, Bldg. F-2<sup>nd</sup> Floor  
P.O. Box 13087  
Austin, Texas 78711-3087

**SUBJECT: TPDES MS4 Permit No. WQ0004396000**  
**City of Dallas Stormwater Management Program**  
**Annual Report October 1, 2023 – September 30, 2024**

Dear Ms. Villalba:

Enclosed is the annual report that summarizes performance during the fifth year of the City of Dallas Municipal Separate Storm Sewer System permit number WQ0004396000 renewed August 6, 2019. For your convenience, both hardcopy and electronic versions are provided.

If you have any questions or need additional information, please contact Sherrie Rios at 214-948-4406.

Sincerely,

Sarah Standifer  
Director - Dallas Water Utilities  
(214) 670-3188

c: TCEQ Office, Region 4 File  
Matt Penk, P.E., Deputy Director - DWU

## 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.

Signed,

Dev Rastogi  
Dev Rastogi  
Assistant City Manager  
City of Dallas

Date 12/19/2024

# STORMWATER MANAGEMENT PROGRAM OVERVIEW

## TPDES Permit WQ0004396000

<b>Introduction</b>	The City of Dallas (City) has prepared this Annual Report as required by Part IV.C “Annual System-Wide Report” of Texas Pollutant Discharge Elimination System (TPDES) Permit WQ0004396000.
<b>Reporting Period</b>	This annual system-wide report summarizes program performance for the fifth Permit Year (PY5) of the five-year MS4 permit issued to the City of Dallas on August 6, 2019. It summarizes related performance metrics for the reporting period between October 1, 2023, and September 30, 2024.
<b>Report Format</b>	This document is organized for consistency with permit reporting requirements. For ease of review, the Table of Contents identifies the chapters and sections required by permit sections IV.C.2 and IV.C.4.
<b>Reporting Period Highlights</b>	The City continues to meet the required permit milestones as outlined in the stormwater management program (SWMP). Program performance highlights during the reporting period for the eight minimum control measures (MCM) are:

### ***MCM 1 MS4 Maintenance Activities:***

Continued operations and maintenance of storm drainage system, including sumps, retention/detention basins, stormwater interceptor structures, and roadways. The City:

- Removed a total of 10,415 cubic yards of debris and floatables from gravity storm sewers, pressure sewers, levee maintenance, sump cleaning, trash racks, retention/detention basins and creek maintenance.
- Completed 28,885 miles of prime network road street sweeping, collecting 4,823 cubic yards of debris from street sweeping operations.
- Completed 59,810 contracted litter pick-ups from developed and undeveloped parks properties.

### ***MCM 2 Post-Construction Stormwater Control Measures:***

Continued the City’s comprehensive post-construction stormwater control measures program, encouraging post-construction controls to promote water quality improvements. Primary efforts included:

- Twenty-three projects with integrated stormwater management/Complete Streets features have been completed, five are under design, and six are under construction.

**Reporting  
Period  
Highlights  
(cont.)**

Continued design and construction on key flood control projects incorporating water quality improvements:

- Able Pump Station Improvements: The City completed construction on the New Able Pump Station and sump complex to reduce flood impacts to the people and property in the Central Business District and associated public infrastructure (I-35/I-30 highway exchange). The New Able Pump Station is an approximate 23,218-square foot building with four-219,000-gpm concrete volute pumps, and two 12,500-gpm low flow pumps. The new Able Pump Station is now operating at full capacity. The project also includes bridge replacements on Riverfront Blvd and Cadiz St to improve stormwater conveyance to the new pump station. The construction of the new bridges has been started in Spring 2023 and it is anticipated to be completed in Summer 2026.
- Mill Creek/Peaks Branch/State Thomas Drainage Relief Tunnel. The City continued construction on the Mill Creek/Peaks Branch/State-Thomas (MCPBST) Drainage Relief Tunnel. The MCPBST is a five-mile underground tunnel that will provide 100-year flood protection for nearly 2,200 commercial and residential properties in the east Dallas area, including Baylor Medical Center. The MCPBST Drainage Relief Tunnel will improve stormwater management resulting in protection of schools, medical facilities, residents, and streets. The tunnel excavation is 100% completed and the concrete lining is currently in progress with 20% completion during this reporting period. The overall construction is approximately 80% completed and the project is anticipated to be completed in Fall 2026.

Operations of flood control facilities that include stormwater treatment continued.

- The Zoo Wetland has treated 17,192,689 gallons of stormwater since becoming operational in October 2018.
- Pavaho Stormwater Wetland This constructed wetland complex provides pre-treatment of stormwater drainage from five storm sewer outfalls that discharge through the Pavaho pump station into the Trinity River. The wetland area is designed to enhance the water quality of the stormwater entering the Pavaho sump by providing a biological filter for pollutants. This project is complete.

***MCM 3 Illicit Discharge Detection and Elimination:***

Continued activities to detect and eliminate illicit discharges to the storm sewer system, and to address sanitary sewer overflows, household hazardous waste collection, citizen response, yard waste, animal wastes, and illegal dumping. The City:

- Replaced 95,339 linear feet of sanitary sewer pipe.
- Completed 2,762 inspections of business that generate grease.
- Removed over 20,315 tires from locations around the city.

**MCM 4 Pollution Prevention/Good Housekeeping for Municipal Operations:**

Continued the City's Environmental Management System (EMS):

- Performed 141 internal environmental audits and 29 external audits.
- Continued internal stormwater education through delivery of five classes to City project managers and weekly communication on compliance issues at construction sites.
- Performed 5,646 preventative maintenance on City fleet.

Reporting  
Period  
Highlights  
(cont.)

**MCM 5 Industrial and High- Risk Runoff:**

Continued inspections of permitted businesses and industrial facilities. The City:

- Performed 986 stormwater compliance inspections at industrial and high-risk sites.
- Inspected 213 high-risk sites, including 57 SARA-313 facilities.
- Through monthly review of the TCEQ's water quality permits database, added 58 new facilities to the inspection program.

**MCM 6 Construction Site Runoff:**

Continued inspections of regulated construction sites and the compliance education program. The City:

- Completed 4,136 inspections at 196 large construction sites.
- 1,903 inspections at 194 small construction sites.
- Completed 100% of complaint driven inspections within 4 days of receipt

**MCM 7 Public Education and Outreach/Public Involvement and Participation:**

Educated and engaged the public and City employees on pollution prevention. The City:

- Presented an integrated education program addressing several stormwater-quality issues, used oil and toxic materials, pet waste, pesticides, herbicides and fertilizers, pool discharges, spill prevention and pollution prevention.
- Promoted pollution prevention with a multilingual media campaign.
- Trained 100% of new hires on stormwater pollution prevention.
- Participated in 8 community events.
- Maintained a web presence, maintaining "GreenDallas.net", "Wheredoesitgo.com" and three social media accounts.

**MCM 8 Monitoring, Evaluating, and Reporting:**

Continued activities designed to reduce the pollutant load to the Trinity River, including sampling and testing local waterbodies, evaluating the results, and monitoring progress towards water quality goals. The City:

- Screened nine watersheds during dry weather conditions.
- Screened four watersheds and four representative outfalls during wet weather conditions.
- Maintained pet waste stations at ten City parks.
- Identified ten priority areas for bacteria monitoring.

*Throughout this reporting period, the City of Dallas Stormwater Management Program has generally met, and in many cases exceeded, the measurable goals as set forth in the SWMP and TPDES Permit WQ0004396000*



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***MCM 1-  
MS4 Maintenance  
Activities***

## MCM 1: MS4 MAINTENANCE ACTIVITIES

To control the quality of stormwater discharged from the MS4 that reach the waters of the US, the City has maintained, over several permit terms, a comprehensive MS4 maintenance program. The program provides best management practices covering the entire MS4 as defined in the permit, including roads with drainage systems, municipal streets, catch basins, curbs, gutters, ditches, man-made channels, and storm drains. The activities in this MCM overlap with other MCMs, including MCM 4, “Pollution Prevention and Good Housekeeping for Municipal Operations”, MCM 6 “Construction Site Stormwater Runoff”, MCM 7 “Public Education, Outreach, Involvement, and Participation”, and MCM 8, “Monitoring, Evaluating, and Reporting”.

Table 1 -1 “MCM 1 – MS4 Maintenance” (at the end of this chapter) details the specific Targeted Controls and Best Management Practices established and maintained to achieve progress towards the objectives of MCM 1 and the SWMP.

At present, the City manages a storm drainage system that drains 385 square miles located within five different counties. The City’s MS4 infrastructure system includes at least:

- 55,000 Inlets
- 1,800 miles storm sewers
- 19,900 feet (3.7 miles) pressure sewers
- 8 street pump stations
- 30 miles levees
- 15 levee sump areas with 11 pump stations
- 137 inline stormwater interceptors
- 12 City-operated retention/detention ponds and lakes
- 7,500 drainage outfalls
- Approximately 661 miles of creek/channel, of which city owns and controls 160 miles

**Status of Implementing the SWMP:** All measures proposed in the SWMP for **PY5** are fully implemented per the compliance schedule and are functioning as intended to prevent the discharge of pollutants to the MS4 to the maximum extent practicable (MEP). A description of program activities related to MS4 Maintenance follows. Table 1-1 at the end of this section provides a summary of activities completed during the reporting period.

**Proposed Changes to the SWMP for the next Reporting Year:** None.

**Number and Nature of Enforcement Activities:** Not applicable.

### **Structural Controls (Permit Section III.B.2.a.i)**

*For PY5 results, see Table 1-1, “A.1 Structural Controls”.*



The City MS4 stormwater structural control program uses best management practices, control techniques, and system, design, and engineering methods to reduce erosion and the discharge of pollutants associated from the MS4. As discussed in the introduction and shown in table A-1, the structural control program is periodically reviewed throughout the permit term to meet the maximum extent practicable requirement.

Structural controls are inventoried, mapped, inspected, and maintained. Structural controls within the MS4 that are owned, operated, and maintained by the City include the conveyances (creeks and channels) in addition to the engineered control systems: drainage inlets and piping systems, culverts, sumps with pump stations and trash racks, detention and retention ponds, litter booms, in-line stormwater interceptor structures, and the Trinity River levees.

The storm drain system needs routine cleaning and repair to reduce the amount of pollutants, trash and debris entering water bodies, and to prevent and remove clogs that may cause a storm drain to overflow. The City inspects drainage pipes each year to schedule necessary cleaning and repairs. The implementation activities for storm drain cleaning include:

- Inspecting underground storm drain piping with remote CCTV cameras;
- Identifying and recording the damaged/blocked areas;
- Scheduling system maintenance and repairs; and
- Removing debris.

The six identified pressure sewers systems that are regularly maintained by the City include: Belleview, Coombs Creek, Dallas Branch, Lake Cliff, Turtle Creek and Woodall Rodgers. The results of these pressure sewer system inspections are used to prioritize maintenance. Maintenance and cleaning activities include removing debris and silt.

The City monitors eight street pump locations on a weekly basis. The eight identified street pump stations that are regularly maintained by the City include: Bexar, Farmers Market at Central, Hi-Line, Lamar, and Municipal at Budd, Reunion Avenue, Second Avenue, and the Cole Park Vault. The results of these street pump station inspections have been used to prioritize maintenance. Maintenance and cleaning activities included removing debris and silt from the wet wells using a vacuum truck.

The City maintains eleven pump stations and four additional sump areas along the 30-mile-long Trinity River levee and Pump Stations System. Maintenance activities include:

- Visually inspecting each of the fifteen identified sump areas, including pump stations and trash racks, monthly and after each significant storm event;
- Cleaning trash racks after rain events, as needed;
- Cleaning the sumps by removing litter, mowing, and managing vegetation to ensure adequate access to the appropriate structures of the ponds; and
- Excavating sediment and periodically removing woody debris that clogs the structures.

The City regularly maintains the following pump stations, and their adjacent sumps: (1) Able, (2) Old Baker, (3) New Baker, (4) Baker 3, (5) Charlie, (6) Delta, (7) Old Hampton, (8) New Hampton, (9) Pavaho, (10) Pavaho 2, and (11) Rochester. Program activities also include maintaining four additional sump areas: Eagle Ford, Frances Street, Noble Branch, and Trinity Portland.

The City monitors the sumps on a regularly scheduled basis, and after each rain event. The results of these sump inspections have been used to prioritize maintenance and capital programs.

Sump area maintenance and cleaning activities included de-silting pilot channels, mowing, providing sump rehabilitation, removing drift and illegally dumped materials, and cleaning trash rack grates.

The City visually inspects the levee system at least monthly and conducts erosion repairs as needed. Other maintenance activities included mowing, litter removal, vegetation management and maintaining levee access.

The City's inlet inspection program evaluates inlet condition; estimates percentage of inlet box debris fill and geo-locates new inlets that are not identified with a unique identifier in the geographic information system (GIS) database. Inlets requiring maintenance or repair service are entered into the City's Customer Response Management System (CRMS) database for repair or debris removal. Geo-located inlets and other new features are updated to the Stormwater Information Management (SWIMS) GIS database.

- Inlet Inspections: The inlet inventory is tracked through a combination of an ESRI-based Geographic Information System and our Lucity asset management system software. The Lucity system is used to assign a unique identifier to each inlet as well as tracking the number and location of inspections each year. Over this permit term, all known inlets will be inspected.
- Inlet Cleaning Activities and Debris Removal: After the inlet inspection identifies the need, the City schedules for cleaning and repair. Inlet cleaning activities included removing debris, rinsing inlet boxes, vacuuming debris, and when necessary, jet vacuuming the inlet boxes and adjacent pipes to remove debris.
- Inlet Protection Device Activities and Debris Removal: As a part of the floatables program to prevent trash and floatables from entering the MS4, the City has installed inlet protection devices in heavy traffic areas. The City maintains over 150 inlet protection devices at city facilities. The inlet protection devices are inspected quarterly and repaired or replaced as needed.

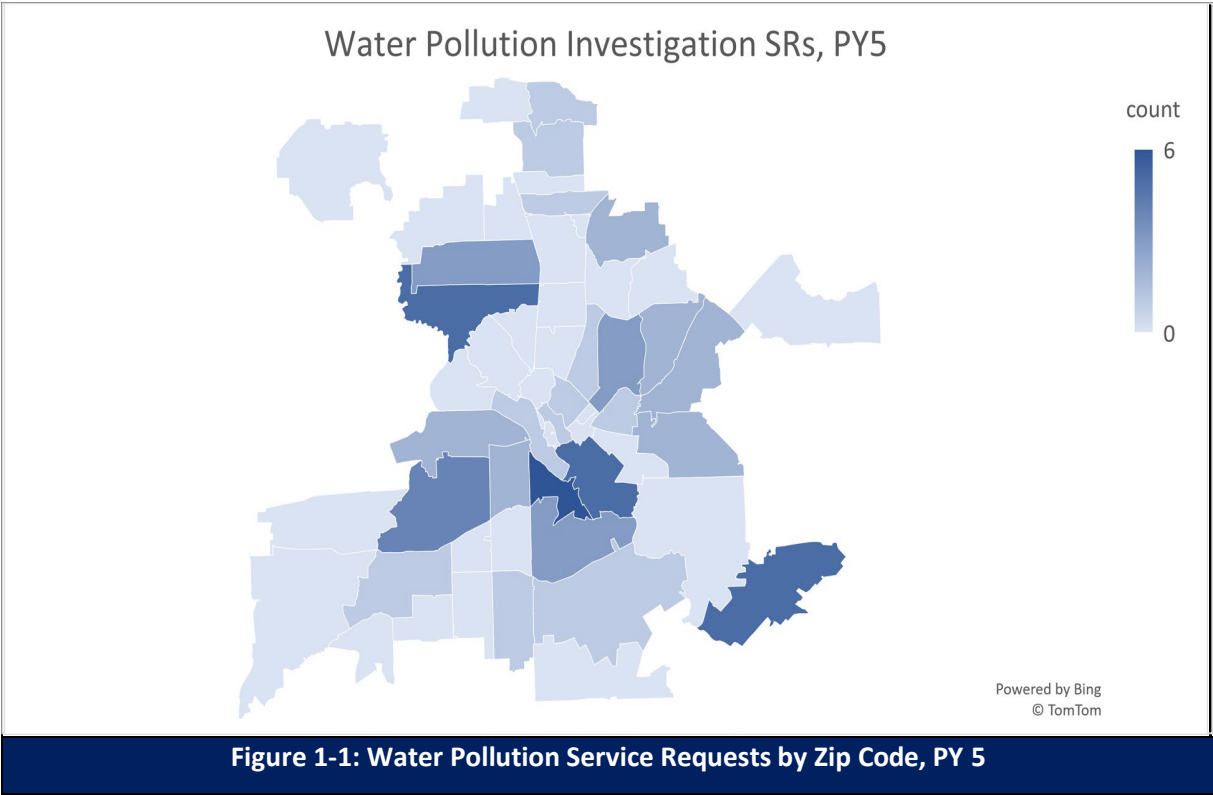
The City maintains flood control capacity and water quality for 12 regional detention/retention ponds. City staff perform regular maintenance inspections on these ponds and basins. The basins are visually inspected using a checklist to identify potential maintenance issues such as trash or debris build-up, erosion, water quality concerns, odor, and excessive sedimentation. The City performs routine maintenance activities for each of the detention/retention areas including de-silting, debris removal, and mowing.

To maintain water quality, the City conducts planned creek and drainage channel maintenance. The City also conducts maintenance operations in response to creek/channel complaints and maintenance requests. Through these processes, the City addresses illegal disposed materials, and removes debris blockages from earthen creeks, bridges, and concrete-lined channels.

The City also responds to fish kills that can occur with abrupt changes in temperature, long hot dry periods, and other system disturbances. Each incident response includes an evaluation of the condition of the recovered fish, the number type and size of fish, local water quality, and an investigation of channel and drainage conditions in- and around the site where the dead fish were identified. All incidents of fish mortalities are reported to Texas Parks and Wildlife (TPWD) and the TCEQ. Table 1-2 below provides details on the fish kill response during permit year 5.

Table 1 - 2 Fish Kill Responses			
Watershed	Address	Initial Response Date	# of Fish Mortalities
Bachman Branch - Elm Fork Trinity River	5505 Chatham Hill Rd	2/5/2024	570
White Rock Creek - White Rock Lake	6439 Lange Cir	7/6/2024	2680
Upper Prairie Creek - Trinity River	2116 Jordan Valley Rd	7/14/2028	192
Bachman Branch - Elm Fork Trinity River	9920 Strait Ln	7/18/2024	405
Turtle Creek - Trinity River	651 S.R.L. Thornton FWY SB	8/7/2024	2310

The City also responds to and investigates water pollution service requests. See Figure 1-1 below. Also, see MCMC 3, “Illicit Discharge Detection and elimination” for more details.



Stormwater interceptors remove captured materials and floatables from the storm drainage system. Regularly inspecting, maintaining, and cleaning the in-line stormwater interceptors prevents system failure, backup, vectors, overflow, odors, and other biochemical reactions from occurring. The City

inspects and maintains all the in-line stormwater interceptors that serve City facilities. Interceptor maintenance activities include periodic inspections and cleanings.

#### **Floatables (Permit Section III.B.2.a.ii)**

*See Table 1-1, "A.2 Floatables".*

The City floatables program uses source controls, structural controls, monitoring, and maintenance, including removal of captured floatable material, to reduce the discharge of floatables into the MS4 and the waters of the US.

Floatables form the most visible indication of man-made pollution to surface water and are normally referred to as litter. The City has implemented an aggressive multi-faceted floatables program. In addition to structural controls such as inlets and trash racks, the City also uses litter booms and litter abatement programs to reduce the discharge of floatables into the MS4. These measures augment an aggressive regional media campaign that is a part of the Public Education, and Outreach program (MCM 7).

The City maintains, monitors, and cleans three (3) litter booms, one each at Bachman Lake, Williamson Branch Creek at White Rock Lake, and at Lake Cliff Park. Monthly monitoring, routine inspections, and regular maintenance (twice per year at a minimum) and cleaning of the litter booms prevent debris from entering the MS4. Each site includes a litter boom that floats at or near the water surface and extends across the width of the creek to trap floating materials. The City regularly monitors the condition of each boom. As needed, each site is cleaned when the areas adjacent to the booms allow equipment access without damaging the adjacent shoreline. Litter boom activities under this include monitoring, removing debris, and assessing the volume of debris collected.

- Bachman Greenbelt near Bachman Lake is located near 3700 Northwest Highway at Lemmon Avenue, about 100 feet from the neighborhood outfall and 2.0 miles from the dam for the lake. There is a large park surrounding this lake, with several picnic and barbeque areas.
- Williamson Branch at White Rock Lake: The litter boom is located near 3800 West Lawther Drive on Williamson Branch, just upstream of White Rock Lake. The two main sources of litter and debris identified for White Rock Lake were rain events and public events held at the Lake. Public events at White Rock Lake include holiday picnicking, athletic events, and fun runs.
- Lake Cliff Park in Oak Cliff: A litter boom is also placed at Lake Cliff Park in Oak Cliff, near 300 E. Colorado Boulevard. The boom at Lake Cliff Park captures litter, debris and other floatables from vegetation, and from weekend activities at the park. The litter boom is located at the northwest corner of the Lake. Park Department sponsors volunteer-park cleanup events that are focused on cleaning litter, brush and other floatables from the parks near water to prevent these materials from entering the adjacent waterways.

Table 1-3 below describes the litter boom activities from PY5.

<b>Table 1-3 Litter Boom Activities</b>		
<b>Location</b>	<b>Number of Inspections &amp; Maintenance Events</b>	<b>Volume of Debris Removed</b>
Lake Cliff Park in Oak Cliff	264	88 cubic yards
Williamson Branch Creek at White Rock Lake	216	93.3 cubic yards
Bachman Greenbelt near Bachman Lake	98	6.02 cubic yards
<b>TOTALS:</b>	<b>578</b>	<b>187.32 cubic yards</b>

The City has implemented a robust local and regional litter abatement program, through focused local clean-ups, public/private partnerships, working with non-governmental organizations, benchmarking of progress, and a regional anti-litter campaign. This program focuses on working with local neighborhood groups to facilitate stewardship and cleanup of areas with chronic litter complaints. At parks, the City sponsors volunteer cleanup events that are focused on cleaning litter, brush and other floatables from the parks near water to prevent these materials from entering the adjacent waterways.

The City contracts litter removal on a regularly scheduled contract basis from developed and undeveloped areas of Park and Recreation Department property. Litter removal results in a reduction of floatable debris from entering waterbodies and the storm drainage system. In parks with shorelines, the contractor retrieves floatables from accessible shorelines and up to 5 feet into the water.

**Roadways (Permit Section III.B.2.a.iii)**

*See Table 1-1, "A.3 Roadways".*

Public streets, roads, and highways are operated and maintained to minimize the discharge of pollutants, including pollutants related to deicing and sanding activities. A regular program of efficient and effective roadway maintenance contributes to limiting the discharge of pollutants to the MS4. Street sweeping can be used to limit particulate dust, floatables, sediment and other pollutants from entering the MS4. Street sweeping can also help limit the volume of litter, bacteria, leaf, and yard wastes that are washed into the storm drains. Winter sweeping is used to address the residuals from deicing activities.

The City prioritizes sweeping in high vehicular use areas, higher pedestrian traffic areas downtown, and City- owned parking lots. The City’s road maintenance program includes street sweeping for 234 miles of designated prime network roads monthly and sweeping within the Central Business District five nights a week. Other sweeping events are conducted as needed to address inclement weather or customer service requests.

Post ice events, streets are swept in accordance with procedure and permit requirements.

The City’s Public Works Department manages the road and bridge maintenance activities and associated best management practices (BMPs). Public Works has a work process flow that requires the systematic

completion of daily activities for each road and bridge maintenance project including completing the BMPs assigned to each project's maintenance activity.

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**Table 1-1**

**MCM 1: MS4 Maintenance Activities**

Best Management Practice/Targeted Control	Measurable Goal	Implementation Schedule	Implementation Status for Reporting Period (October 1, 2023, through Sept. 30, 2024)
<b>A.1 Structural Controls</b>			
Inspect underground gravity storm drainage piping through CCTV televising	180 miles of pipe inspected	PY1-PY5	215.76 miles inspected
Record the damaged storm drain piping areas and schedule maintenance.	150 miles inspected in support of scheduling maintenance	PY1-PY5	215.76 miles inspected 74 repairs completed
	15 repairs completed		
Remove debris from storm drain system.	Volume of debris removed in cubic yards	PY1-PY5	2388 CY removed
Investigate culverts through service requests	200 culvert maintenance requests	PY1-PY5	525 service requests
Investigate roadside ditches through service requests	70% of ditch maintenance requests completed on time per the service level agreement	PY1-PY5	650
Repair and maintain City-owned roadway culverts	Repair 25 culverts	PY1-PY5	160
	Volume of debris removed in cubic yards		3460 CY
Inspect pressure sewer systems including pump station and outfall at least twice per year	40 pressure Sewer System inspections	PY1-PY5	183 inspections
Maintain pressure sewer system	80 maintenance activities performed	PY1-PY5	78 activities performed 0 CY removed
	Volume of debris removed in cubic yards		
Inspect street pump stations, including pump station & outfall at least twice per year	468 Street Pump Station inspections	PY1-PY5	1031 inspections
Maintain street pump stations	96 station cleanings	PY1-PY5	38 cleanings



**Table 1-1**  
**MCM 1: MS4 Maintenance Activities**

Best Management Practice/Targeted Control	Measurable Goal	Implementation Schedule	Implementation Status for Reporting Period (October 1, 2023, through Sept. 30, 2024)
	Volume of debris removed in CY		Included "Volume of debris removed in cubic yards" below
Inspect pump stations and trash racks	572 Pump inspections performed	PY1-PY5	1131 inspections
Clean trash racks after rain events as needed	100% of pump station trash rack inspections	PY1-PY5	100% as needed
	Volume of debris removed in cubic yards		7473 CY
Clean the sumps	100% of identified sump maintenance activities per sump	PY1-PY5	100% as needed
	Sumps Acres Mowed		4490 acres
	Debris Removed in Cubic Yards		1035 CY removed
Inspect each levee monthly (East, West, Rochester)	312 visual inspections conducted (entire length)	PY1-PY5	331 inspections
Repair levee system erosion	100% of erosion repairs	PY1-PY5	100% as needed
Mow levees	6000 acres mowed (entire system)	PY1-PY5	4895 acres mowed
Clean levees	Cubic yards of debris removed	PY1-PY5	0 CY
Inspect all City inlets at least once per permit term	13,500 Inlets per year	PY1-PY5	13,655 inlets inspected
Clean inlets	6000 inlets cleaned	PY1-PY5	3525 inlets cleaned
	Debris removed in cubic yards		10,438 CY

**Table 1-1**

**MCM 1: MS4 Maintenance Activities**

Best Management Practice/Targeted Control	Measurable Goal	Implementation Schedule	Implementation Status for Reporting Period (October 1, 2023, through Sept. 30, 2024)
Repair Inlets	Repair 20 inlets	PY1-PY5	23
Inspect inlet protection devices at City-owned facilities	100 inspections	PY1-PY5	516 inspections
	Complete 70% of inlet protection device maintenance work orders on time		100% on time
	Debris removed in cubic yards		880 CY
	Install 70% of planned inlet protection devices		100%
Inspect at least ten (10) City-owned retention/detention ponds per year and each pond at least once during the permit term.	28 Ponds inspected	PY1-PY5	34 inspections
Maintain the flood control capacity and water quality efficacy of City-owned detention/retention ponds.	20 Locations desilted	PY1-PY5	94 locations desilted
	20 mowing cycles completed		27 cycles completed
	Volume of materials removed in cubic yards		132 CY
Respond to creek and channel maintenance requests	600 creek and channel maintenance requests	PY1-PY5	975 requests
Maintain the flood control capacity and water quality efficacy of City-owned creeks and channels	25 locations desilted	PY1-PY5	94 locations desilted
	130 acres of channel and creek buffers maintained		246 acres
	Volume of materials removed from City-owned waterways in CY		1775 CY

**Table 1-1**

**MCM 1: MS4 Maintenance Activities**

Best Management Practice/Targeted Control	Measurable Goal	Implementation Schedule	Implementation Status for Reporting Period (October 1, 2023, through Sept. 30, 2024)
Respond to service requests related to surface water quality	Respond to 100% of water quality service requests on time per the service level agreement (SLA)	PY1-PY5	100% water pollution on time per the SLA, see Figure 1-1 and MCM 3
Investigate cause and effect for service requests related to Fish Kills	Respond to 96% of Service Requests timely per the service level agreement	PY1-PY5	100% on time
	Respond timely to 100% of fish-kills		100% on time
	Report 100% of fish kills with more than 50 identified fish/wildlife deaths		100% on time
Inspect the City-owned in-line stormwater interceptors.	100% of Interceptor inspected	PY1-PY5	100%
Clean the City-owned in-line stormwater interceptors.	40 Cleaning events	PY1-PY5	32 events
	Volume of material removed in CY		57,000 CY
Update inventory of the City-owned in-line stormwater interceptors.	Inventory of Interceptors is 100% up-to-date at end of fiscal year	PY1-PY5	100%
<b>A.2 Floatables</b>			
Inspect litter booms for trapped materials, at least two times per year.	36 of Litter boom inspections performed	PY1-PY5	578 inspections

**Table 1-1**

**MCM 1: MS4 Maintenance Activities**

Best Management Practice/Targeted Control	Measurable Goal	Implementation Schedule	Implementation Status for Reporting Period (October 1, 2023, through Sept. 30, 2024)
Remove, dispose, and recycle if possible, collected materials.	Volume of floatables collected and disposed in CY	PY1- PY5	187.32 CY
Contracted litter removal from developed and undeveloped areas of Park and Recreation property.	3000 of locations maintained	PY1- PY5	4686 locations
	30,000 of contracted litter-pick ups		59,810 pick-ups
Park Department sponsors volunteer-park cleanup events that are focused on cleaning litter, brush and other floatables from the parks near water to prevent these materials from entering the adjacent waterways (It's My Park day, for example)	1 clean up event	PY1- PY5	17 event, multiple PKR locations
Participate in local and regional litter abatement programs (e.g., TREES, Keep Dallas Beautiful, Trinity Trash Bash, etc.) (See MCM 7)	3 events participated in by City staff	PY1-PY5	17 events
	Volume of Debris collected in CY		
Clean up litter based on litter service requests	Complete 50% of litter service requests on time per the service level agreement	PY1-PY5	100% on time per the service level agreement.
<b>A.3 Roadways</b>			
Evaluate Roadways Operations and Maintenance Program, including street sweeping, deicing, sanding, and road and bridge maintenance	Completed Evaluation	PY1-PY5	Evaluation Completed

**Table 1-1**

**MCM 1: MS4 Maintenance Activities**

Best Management Practice/Targeted Control	Measurable Goal	Implementation Schedule	Implementation Status for Reporting Period (October 1, 2023, through Sept. 30, 2024)
Sweep the prime network roads twelve (12) times per year	20,000 gutter miles of prime network roads swept	PY1-PY5	28,885 miles
	Volume of debris collected from prime network roads in CY		4823 CY
Sweep the Central Business District 5 times per week	10,000 gutter miles swept in the Central Business District and other areas	PY1-PY5	19,283 miles
	Volume of debris collected from the Central Business District and other areas in CY		4,248 CY
Sweep the streets where deicing materials have been applied to icy patches.	Respond to 100% of ice events in accordance with City response plan	PY1-PY5	100% responses according to City response plan
Incorporate temporary or permanent BMPs to reduce or prevent the discharge of pollutants from routine maintenance activities for roads and bridges.	Install appropriate BMP at 100% of road and bridge maintenance job sites	PY1-PY5	184; all inlet protection. Locations are on file.

***MCM 2-  
Post-Construction  
Stormwater Control  
Measures***

## MCM 2: POST-CONSTRUCTION STORMWATER CONTROL MEASURES

To control the quality of stormwater discharged from the MS4 that reach the waters of the US, the City has maintained, over several permit terms, a comprehensive post-construction stormwater control measures program. The program includes BMPS and ordinances aimed at areas of new development and significant redevelopment, BMPs for control within comprehensive master planning process, regulatory mechanisms for encouraging post-construction controls, and BMPs for flood control projects. The activities in this MCM overlap with other MCMs, including MCM 1 “MS4 Maintenance Activities”, MCM 6 “Construction Site Stormwater Runoff”, and MCM 7 “Public Education, Outreach, Involvement and Participation”

Table B -1 “MCM 2 – Post-Construction Stormwater Control Measures” (below, at the end of this chapter) details the specific Targeted Controls and Best Management Practices established and maintained to achieve progress towards the objectives of MCM 2 and the SWMP.

**Status of Implementing the SWMP:** All measures proposed in the SWMP for PY5 are fully implemented per the compliance schedule and are functioning as intended to prevent the discharge of pollutants to the MS4 to the maximum extent practicable (MEP). A description of program activities related to Post-Construction Stormwater Control Measures follows. Table 2-1 at the end of this section provides a summary of activities completed during the reporting period.

**Proposed Changes to the SWMP for the next Reporting Year:** None.

**Number and Nature of Enforcement Activities:** Across 14 TPDES-permitted construction sites, 73 Notices of Violation were issued for issues related to final stabilization. Eight of these sites were referred to the City Attorney's Office for further enforcement.

### **Areas of New Development and Significant Redevelopment (Permit Section III.B.2.b.i)**

*See Table 2-1, “B.1 Areas of New Development and Significant Redevelopment”.*

The Engineering Division of the Development Services department (DEV-ED) is responsible for reviewing subdivision plats and private development engineering plans and overseeing the construction to ensure that the City's infrastructure is built to City Code and adheres to approved plans and contract documents. DEV-ED's requirements are in the Dallas Development Code (Dallas Code Chapter 51A) division 51A-8.600 “Infrastructure Design and Construction”; enforcement is Sec. 51A-1.103 and includes criminal prosecution, civil action, and utility disconnection.

The Building Inspection division of DEV (DEV-BI) is similarly responsible for reviewing plans and overseeing construction of structural elements of a building to ensure that buildings are built to City Code and adheres to approved plans and contract documents. DEV-BI's requirements relevant to MCM2 are Dallas City Code Chapters 52, “Administrative Procedures for the Construction Codes”. Enforcement for DEV - BI includes stop work orders, vacate by notice orders, criminal prosecution, and civil action.

The Floodplain and Drainage Management section of Dallas Water Utilities (DWU-FDM) is responsible for reviewing and permitting development plans that will occur within the one-percent annual chance

floodplain. DWU-FDM requirements are in Dallas City Code Chapter 51A, Division 51A-5.100 “Flood Plain Regulations”.

The Stormwater Management section of the Office of Environmental Quality and Sustainability (OES-SWM) provides TPDES Construction General Permit (CGP) compliance inspections. Through the construction site termination process, OEQS-SWM requires active construction sites one or more acre in size stabilize the disturbed areas as required by the CGP. OEQS-SWM’s requirements are in Dallas City Code Article IX “Stormwater Drainage System”. Enforcement for OEQS-SWM includes stop work orders (obtained through SDC-BI) and criminal prosecution and civil action.

<b>Table 2-2</b> <b>Examples <sup>1</sup> of City Controls to Limit Erosion and the Discharge of Pollutants in Areas of Development and Redevelopment</b>	
Dallas City Code division 51A-8.600	<ul style="list-style-type: none"> <li>Drainage Design must be in accordance with the 2019 Drainage Design Manual</li> <li>All storm drain facilities must be designed and constructed to safely drain a one-percent chance annual storm event</li> <li>Detention facilities are required when development results in an increase to the rate of runoff, in most cases, especially when due to significant increase in impervious surface/impermeable surface</li> <li>Detention facilities required when the proposed development does not have adequate outfall to carry the one-percent annual chance storm event without damaging property downstream</li> <li>Detention facilities, when required, must be designed to provide detention for one-percent, two-percent, 10 percent, and 50 percent annual chance storm events.</li> </ul>
Dallas City Code Chapter 52	<ul style="list-style-type: none"> <li>Drainage Plan required for paving and grading projects over one-acre</li> <li>For all other projects, Drainage Plans required when requested</li> <li>Drainage Structures damaged by construction must be repaired or replaced</li> <li>Any existing drainage facility affected by soil from a construction site must be carefully cleaned to assure full flow capacity</li> <li>A contractor shall not obstruct the existing natural drainage pattern of adjacent property</li> <li>A contractor shall not redirect or increase the quantity or velocity of water draining onto adjacent private property</li> </ul>



<b>Table 2-2</b> <b>Examples <sup>1</sup> of City Controls to Limit Erosion and the Discharge of Pollutants in Areas of Development and Redevelopment</b>	
Dallas City Code Division 51A-5.100	<ul style="list-style-type: none"> <li>• Removal of vegetation in flood plain is prohibited unless permitted by the City, part of a City-approved landscape plan, or otherwise required by the City to maintain conveyance capacity.</li> <li>• Flood plain permit required for development in a flood plain area.</li> <li>• City permit required for filling in the flood plain</li> <li>• Setbacks from any natural channel in the flood plain are required</li> <li>• Development in the Trinity River Corridor requires a corridor development certificate from the City</li> </ul>
Dallas City Code Article IX	<ul style="list-style-type: none"> <li>• Construction sites that disturb one or more acre or are part of a common plan of development that disturbs one acre or more must successfully complete a termination inspection documenting that the stabilization and termination required of the TPDES CGP have been met</li> <li>• Any discharge that has been determined by the City to be a source of pollution is prohibited. Written notice to the alleged polluter must be provided prior to prosecution.</li> <li>• For facilities required to have a SWPPP, adequate secondary containment is required. The City code provides specification of what is required.</li> <li>• Discharges to the MS4, state waters, and waters of the US (WOTUS), that contain an exceedance of a reportable quantity of a hazardous substance must report that discharge to the City (including the Fire Department) and the TCEQ immediately after becoming aware of the discharge.</li> <li>• Industrial facilities subject to the TCEQ MSGP must comply with that permit, including City inspections.</li> <li>• Stormwater inspectors have right-of-entry into any facility that discharges into the MS4, state water, or WOTUS. Conditions for that entry apply.</li> </ul>
<b>1. This list is not all-inclusive. In addition, language in this list is paraphrased from the applicable provisions in Dallas City Code.</b>	

For public works projects, private contractors working on behalf of the City are required to adhere to all erosion control and pollution prevention requirements of these City divisions. In addition, private contractors working on behalf of the City must abide by a contract that direct them to follow the North Central Texas Council of Government (NCTCOG) Public Works Standards, supplemented by the Dallas

addendum to these standards. As of October 1, 2021, the City has adopted (with a Dallas addendum), the 5<sup>th</sup> Edition of the NCTCOG Standards.

With the revision of the Drainage Design manual, the Street Design manuals, and associated development code in 2019, the City has completed its integration of iSWM concepts into the stormwater control/drainage design process. For all projects beginning after October 1, 2019, all drainage plans must adhere to the 2019 Drainage Design Manual, including all City bond projects awarded after that date. Table 2-3 below provides an update on City iSWM projects for Permit Year 3.

<b>Table 2-3 Complete Street Project Status</b>		
<b>Project</b>	<b>iSWM Elements</b>	<b>Project Status, PY</b>
Cedar Crest Bridge	Permeable paving walkway near trail head area, vegetated retention swale	Complete
Elm St	25 Rain gardens and permeable paving in the sidewalks near the street trees	Complete
Beall from Dolphin to dead-end	Bio-swales	Complete
Beckley Commerce	Rain gardens	Complete
Bishop Ave Phase 3 (8th St to Jefferson)	Landscaped areas in parkway	Complete
Camp Wisdom Rd, FM1382 to Mountain Creek Pkwy	Trees in parkway	Design
Canada Drive	Bio-swales, drivable grass	Under Construction
Canyon Blvd.	Permeable pavers, vegetated retention swale, tree planter boxes	Complete
CBD Fair Park Link PH I	Landscaped areas in parkway/ tree planting	Under Construction
Cedar Springs from Douglas to Oak Lawn	Landscaped areas in parkway/tree planting	Complete
Chalk Hill North from I-30 frontage road to Singleton	Landscaped areas in parkway/ tree planting in the median	Under Construction
Columbia-Main Project, Beacon St. to Deep Ellum	Trees in parkway	Design
Commerce St	Tree planter boxes	Under Construction
Crowdus and Indiana	Rain gardens	Complete

**Table 2-3 Complete Street Project Status**

Project	iSWM Elements	Project Status, PY
Davis Street from Beckley to Hampton	Tree wells	Complete
Dolphin Rd, Spring Ave to N. of Haskell Ave/Military Pkwy	Landscaped areas in median	Under Construction
Elam Rd	Curbless, natural and manmade drainage swales, possible rain garden in center of cul-de-sac	Complete
Fort Worth Avenue from Sylvan to Commerce St	Rain gardens	Complete
Greenville Ave Phase 2	Permeable/landscaped areas in parkway	Complete
Henderson from US 75 to Ross	Rain gardens	Complete
Highland Road	Landscaped areas/tree wells in parkway	Complete
Knox: Katy Trail to US 75	Landscaped areas in parkway	Design
Lake Highlands Trail Extension	Landscape in median and Trees along trail	Complete
Main St	Tree wells in parkway	Complete
Military Parkway from Elva to Rockbluff	TBD	ON HOLD
Mingo from Dolphin to dead-end	Bio-swales	Complete
Pemberton Hill Rd	Landscaped areas in parkway/tree planting	Complete
Riverfront from Cadiz to UPRR (Segment B)	Median bio-swales	Design
S. Lamar	Bio-swales	Under Construction
Sylvan from Fort Worth to Singleton	Tree planting in median and parkway	Complete
Sylvan from IH30 to Fort Worth	Planted median	Complete
Tyler/Polk roundabouts	Native grasses	Complete

Table 2-3 Complete Street Project Status		
Project	iSWM Elements	Project Status, PY
Walnut Hill from Malibu to Elm Fork soccer complex	Median bio-swales	Complete
West Dallas Gateway	TBD	Design
Woodmeadow from La Prada to End	Landscaped areas in parkway	Complete

**Comprehensive Master Planning Process (Permit Section III.B.2.b.ii)**

With regards to post-construction stormwater control, the comprehensive master planning process is the various City codes discussed in the section above. In addition to the City codes, this master planning process includes all requirements of the TPDES Construction General Permit for construction activities that disturb one or more acre of land or are part of a common plan of development that disturbs one or more acre.

**Regulatory Mechanism and Strategies for Long-Term Implementation, Operation, and Maintenance of Public and Private Post-Construction BMPs (Permit Section III.B.2.b.iii)**

*See Table 2-1, “B.2 Evaluation of the SWMP to Ensure Implementation and Enforcement of a Regulatory Mechanism”.*

The regulatory mechanism for post-construction stormwater control is again the City codes described above.

With the revision of the Drainage Design manual and associated documents and codes, the City strategies for structural and non-structural controls has now expanded. In addition to the tradition best management practices included in the 1993 Drainage Design Manual, the 2019 Drainage Design manual includes iSWM elements like constructed wetlands, stormwater ponds, rainwater harvesting, rain gardens, tree-box filters, permeable paving, live crib-walls and more.

For operation and maintenance (O and M) of privately-owned BMPs/stormwater controls, the responsibility for maintenance is recorded in the dedication of the final approved plat and generally falls to the property owner of the easement. Pollution, loss of conveyance capacity, and other issues related to private post-construction stormwater controls come to the City’s attention through public report via 311 service requests. During the term of this current permit, the City will implement a decorative pond training program that will be used to educate private property owners, neighborhood associations, and other interested parties on their responsibility to maintain post-construction stormwater controls.

For details on the comprehensive O and M program for public assets, see MCM 1, “MS4 Maintenance”. This public O and M program is funded through a stormwater fee collected from benefitted residents and businesses.

**Impacts on Receiving Waters from Flood Control Projects (Permit Section III.B.2.b.iv.)**

See Table 2-1, “B.3 Flood Control Projects”.

The City assesses the impacts that flood control projects have on receiving waters. Within the constraints of the project budget and regulatory requirements, new flood control structures are designed, constructed, and maintained to provide erosion protection and pollutant removal from stormwater. This permit term will be a busy one for flood control projects. Adding to major public works projects currently under construction like the Mill Creek/Peaks Branch/State-Thomas Drainage Relief Tunnel, the approved 2017 bond package included \$48.75 million for flood protection, storm drainage, and erosion control. In addition, the federal government provided \$450 million in funding for major Dallas Floodway improvements. Table 2-4 below provides details on progress during Permit Year 3 on major flood control projects.

Table 2-4 Major Flood Control Projects	
Project	Project Status, PY5
Able Pump Station Improvements	The City completed construction of the replacement and upsizing of Able Pump Station and is currently completing the sump conveyance for the area through upsizing of Riverfront and Cadiz Street bridge and culverts. This work will be complete in Summer 2026.
Mill Creek/Peaks Branch/State Thomas Drainage Relief Tunnel	The City continued construction on the Mill Creek/Peaks Branch/State-Thomas (MCPBST) Drainage Relief Tunnel. The MCPBST is a five-mile underground tunnel that will provide 100-year flood protection for nearly 2,200 commercial and residential properties in the east Dallas area, including Baylor Medical Center. The MCPBST Drainage Relief Tunnel will improve stormwater management resulting in protection of schools, medical facilities, residents, and streets. The tunnel excavation is 100% completed and the concrete lining is currently in progress with 20% completion during this reporting period. The overall construction is approximately 80% completed and the project is anticipated to be completed in Fall 2026.

**Table 2-4 Major Flood Control Projects**

Project	Project Status, PY5
<p>Pavaho Stormwater Wetland Supplemental Environmental Project</p>	<p>This constructed wetland complex provides pre-treatment of stormwater drainage from five storm sewer outfalls that discharge through the Pavaho pump station into the Trinity River. The wetland area is designed to enhance the water quality of the stormwater entering the Pavaho sump by providing a biological filter for pollutants. This project is complete.</p>
<p>Zoo Wetlands Supplemental Environmental Project</p>	<p>The Dallas Zoo Wetland is designed to treat stormwater runoff from 16.35 acres of the Wilds of Africa and has a storage capacity of 300,000 gallons. The wetland system is comprised of three sub-systems: Sedimentation Forebay/Dynamic Storage Basin, Total Suspended Solids Removal Wetland and Tidal Flow Advanced Wetland. The wetlands have naturally occurring physical, biological and chemical processes that reduce pollutants and improve water quality. Final treatment of effluent includes filtration and UV disinfection before being released into Cedar Creek.</p> <p>The wetland became operational on October 1, 2018 and monthly monitoring for the Texas Commission on Environmental Quality (TCEQ), Texas Pollution Discharge Elimination System (TPDES) Wastewater Permit, WQ0004984000 (issued date September 26, 2017 and major amendment issued on April 1, 2022) commenced. In the fifth year of operation, October 2023 to September 2024, the wetland treated 3,502,513 gallons. The total amount of treated stormwater since the wetland became operational is 17,192,689 gallons.</p>

**Table 2-5 Flood Control and Storm Drainage Management Capital Projects Highlighted Accomplishments**

<p>Projects in Design</p>	<p>Completed design of seven (7) erosion control, storm drainage, and flood control sites to address stream bank erosion, storm drainage improvements and flood control. Continue design of forty-six (46) erosion control, storm drainage and flood control sites to address stream bank erosion and storm drainage improvements.</p>
<p>Projects Under Construction</p>	<p>Continue construction of Mill Creek/Peaks Branch/State Thomas Drainage Relief Tunnel Project for flood protection and storm drainage improvements. Continue construction of twenty-two (22) erosion control, storm drainage and dredging projects.</p>
<p>Completed Projects</p>	<p>Completed construction of twenty-six (26) erosion control, storm drainage, flood control projects.</p>

See MCM 1 “MS4 Maintenance Activities” for details on pollution prevention (waste debris removal) for existing flood control infrastructure.

**Table 2-1**

**MCM 2: Post-Construction Stormwater Control Measures**

Best Management Practice/Targeted Control	Measurable Goal	Implementation Schedule	Implementation Status for Reporting Period (October 1, 2023 - Sept. 30, 2024)
<b>B.1 Areas of New Development and Significant Redevelopment</b>			
Identify changes to Dallas Development Code (Dallas City Code Ch. 51A), Drainage Design Manual, Street Design Manual, and NCTCOG Public Works Construction Standards for changes related to erosion control and the discharge of pollutants associated with new development and redevelopment sites post-construction	Annual statement in MS4 Annual Report communicating changes, if any, and plans for changes	PY1-PY5	No changes during reporting period (Super)
Ensure that sites one acre or more in size properly terminate in accordance with the TPDES CGP	100% of sites seeking termination are terminated only after CGP and City code specifications for the final stabilization are achieved	PY2-PY5	100% terminated only after CGP and City code specifications for the final stabilization are achieved
Track Low Impact Development elements used in City public works projects, including Complete Streets projects	Complete annual update on progress in Table 2-3 of the annual report.	PY1-PY5	See Table 2-3
Inspect all known active construction sites disturbing one or more acre or that are part of a common plan of development that disturbs one or more acre	See MCM 6, "Construction Site Stormwater Runoff"		
<b>B.2 Evaluation of the SWMP to Ensure Implementation and Enforcement of a Regulatory Mechanism</b>			
Implement maintenance and operation of decorative ponds training ( <i>see also MCM 7</i> )	See MCM 7, Table 7-1, section "G.1.Public Education and Outreach"		
Maintain an Ordinance to implement and enforce "Post- Construction Stormwater Control Measures"	See B.1 "Control over Areas of New Development and Significant Redevelopment" above		



**Table 2-1**

**MCM 2: Post-Construction Stormwater Control Measures**

Best Management Practice/Targeted Control	Measurable Goal	Implementation Schedule	Implementation Status for Reporting Period (October 1, 2023 - Sept. 30, 2024)
Maintain strategies for structural and non-structural controls appropriate for the community	See MCM 1 "MS4 Maintenance Activities" See MCM 3 "Illicit Discharge Detection and Elimination" See MCM 6 "Construction Site Stormwater Runoff" See MCM 7 "Public Education, Outreach, Involvement, and Participation"		
Maintain a program for long-term operation and maintenance of post-construction stormwater BMPs	See MCM 1 "MS4 Maintenance Activities"		
<b>B.3 Flood Control Projects</b>			
Provide an annual update on major flood control capital improvement projects	Annual update on major flood control capital projects provided in system-wide annual reports Table 2-4	PY1-PY5	See Table 2-4
Track the flood control and drainage projects	Using the "Highlighted Objectives" for "Flood Protection and Storm Drainage Management" in the City's budget book to set the goals for each Permit Year, complete an update on flood and drainage projects for each system-wide annual report.	PY2-PY5	See Table 2-5
Maintain Pavaho Wetland and Dallas Zoo Wetland	Annual report from PKR on Permit Year Activities provided in system-wide annual report as part of Table 2-4 in the annual report	PY2 - PY5	See Table 2-4

**Table 2-1**

**MCM 2: Post-Construction Stormwater Control Measures**

Best Management Practice/Targeted Control	Measurable Goal	Implementation Schedule	Implementation Status for Reporting Period (October 1, 2023 - Sept. 30, 2024)
	Analyze 60 water quality samples from Pavaho		60 samples analyzed
	Complete 12 inspections at Pavaho		22 inspections completed
Remove debris and other pollutants from existing flood control structures	See MCM 1 "MS4 Maintenance Activities"		
Prevent erosion and sediment discharges from TPDES CGP-permitted flood control projects by inspecting Flood Control construction projects one or more acre in size or part of a common plan of development one or more acres in size	See MCM 6 "Construction Site Stormwater Runoff"		

***MCM 3-  
Illicit Discharge  
Detection  
& Elimination***

### MCM 3: ILLICIT DISCHARGE DETECTION AND ELIMINATION

To control the quality of stormwater discharged from the MS4 that reach the waters of the US, the City has maintained, over several permit terms, a comprehensive illicit discharge detection and elimination (IDDE) program. The activities in this MCM overlap with other MCMs, including MCM1 “MS4 Maintenance”, MCM 4 “Pollution Prevention and Good Housekeeping for Municipal Operations”, MCM 7 “Public Education, Outreach, Involvement, and Participation”, and MCM 8 “Monitoring, Evaluating, and Reporting”.

The IDDE program includes activities to detect and eliminate illicit discharges to the storm sewer system, and to address sanitary sewer overflows, household hazardous waste collection, citizen response, yard waste and animal wastes, and illegal dumping. The City maintains an accurate MS4 map that includes all MS4 outfalls and verifies system infrastructure. These activities combined with ongoing monitoring (Element 8) promote a proactive IDDE program.

Table 3 -1 “MCM 3 – Illicit Discharge Detection and Elimination” (below, at the end of this chapter) details the specific Targeted Controls and Best Management Practices established and maintained to achieve progress towards the objectives of MCM 3 and the SWMP.

**Status of Implementing the SWMP:** All measures proposed in the SWMP for PY5 are fully implemented per the compliance schedule and are functioning as intended to prevent the discharge of pollutants to the MS4 to the maximum extent practicable (MEP). A description of program activities related to Illicit Discharge Detection and Elimination follows. Table 3-1 at the end of this section provides a summary of activities completed during the reporting period.

**Proposed Changes to the SWMP for the next Reporting Year:** None.

**Number and Nature of Enforcement Activities:** The Dallas Marshal’s Office - Environmental Crimes Unit issued 1479 citations and arrested 171 persons for violations associated with illicit discharge and improper disposal. The Stormwater Management (SWM) division issued 37 notices of violations resulting from illicit discharge investigations. SWM referred seven of these incidents to the City Attorney’s Office for further enforcement.

#### **Illicit and Allowable Discharges (Permit Section III.B.2.c.i through Section III.B.2.c.vi)**

*See table 3-1, section C.1, “ Illicit and Allowable Discharges”.*

#### **Program to Detect and Eliminate Illicit Discharges and Improper Disposal (Permit Section III.B.2.c.i and III.B.2.c.v.)**

*See table 3-1, section C.2, “ Detection and Elimination of Illicit Discharges, Status of Complying with New SWMP Requirements”.*

Through Dallas City Code Chapter 19-118 Article IX, Chapter 49 Section 49-55.7, Chapter 7A, and Chapter 18, among others, the City of Dallas prohibits illicit non-stormwater discharges and improper disposal to the MS4. Over the course of several permit terms, the City has established and maintained a program to

detect and eliminate illicit discharges and improper disposal to the MS4. As required by the permit, the program includes:

- Inspections to implement and enforce the City Codes and associated compliance orders,
- Scheduled field screening activities,
- Procedures to determine and schedule investigation of priority areas of the MS4 where the City has found a reasonable potential for illicit discharges or otherwise prohibited non-stormwater discharges,
- Procedures to prevent, contain, and respond to spills that may discharge into the MS4,
- Programs to promote, publicize, and facilitate public reporting of illicit discharges or water quality impacts (MCM 7),
- Educational activities, public information activities, and other appropriate activities to facilitate proper management and disposal of used oil and toxic materials, (MCM 7), and
- Controls to limit infiltration of seepage from municipal sanitary sewers to the MS4.

Further description of the program best management practices can be found in Table 3-1 and the paragraphs to precede it.

**Evaluation, Authorization, and Update of the List of Allowable Discharges (Permit Section III.B.2.c.ii, III.B.2.c.iii, III.B.2.c.iv., and III.B.2.c.vi)**

*See table 3-1, section C.1, "Illicit and Allowable Discharges".*

Dallas City Code Chapter 19, Section IX, sec. 19-118.2 outline prohibited and allowable discharges. This chapter of City Code is reviewed as needed.

The City also maintains and annually updates a list of TPDES/NPDES permitted discharges within the City's MS4 permit area.

**Detection and Elimination of Illicit Discharges (Permit Section III.B.2.c.vii)**

*See table 3-1, section C.2, "Detection and Elimination of Illicit Discharges, Status of Complying with New SWMP Requirements".*

The City's IDDE program uses a combination of dry weather outfall inspections, closed circuit televising (CCTV), and storm drain system information from the asset inventory database to trace the origin of a suspected illicit discharge(s). Illicit discharges and disposal issues are investigated through a coordinated City-wide complaint response process.

The City uses Salesforce as our Customer Request Management System (CRMS); Salesforce provides internet and telephone (3-1-1) opportunities for citizen notification of illicit discharges or other stormwater related concerns. The City's stormwater related public education materials encourage the public to use the 3-11 system to report illicit discharges. Table 3-2 provides a breakdown of the type and quantity of stormwater-related calls responded to by the City's Stormwater Management section during the reporting period.

<b>Table 3-2 Stormwater Management Division Service Requests</b>	
<b>Service Request Type</b>	<b>Total Count</b>
Chemical Spill Urgent – OEQS	234
Environmental Quality Concerns - OEQS	46
Illegal Dumping Urgent – OEQS	106
Sewage Discharge – OEQS	65
Storm Water Construction Site Urgent - OEQS	73
Storm Water Industrial Site Urgent - OEQS	16
Swimming Pool Discharge Urgent - OEQS	34
<b>TOTAL:</b>	<b>574</b>

The City staff responds to citizen complaints and documents responses using field reports that are logged back into the Salesforce system and into the Stormwater Information Management (SWIMS) database. These databases allow assessment of the numbers and types of calls, and the locations of complaints. This data is then used to guide follow-on outreach, and training efforts.

<b>Table 3-3 Breakdown of Illicit Discharge Investigations by Watershed</b>	
<b>HUC-12 Watershed</b>	<b># Investigations Conducted</b>
<b>Elm Fork Trinity River (Texas Stream Segment 0822)</b>	
Bachman Branch-Elm Fork Trinity River	22
Indian Creek – Elm Fork Trinity River	0
Farmer's Branch - Elm Fork Trinity River	1
<b>West Fork Trinity River (Texas Stream Segment 0841)</b>	
Cottonwood Creek-Mountain Creek Lake	2
Fish Creek-Mountain Creek Lake	1
Delaware Creek - West Fork Trinity River	4
<b>White Rock Creek (Texas Stream Segment 0827)</b>	
Headwaters White Rock Creek	7
Floyd Branch – White Rock Creek	8
White Rock Creek-White Rock Lake	16
City of Dallas-White Rock Creek	12
<b>Main Stem Trinity River (Texas Stream Segment 0805)</b>	
Headwaters Turtle Creek	31
Turtle Creek Trinity River	35
Headwater Five Mile Creek	8
Five Mile Creek-Trinity River	15
<b>Main Stem Trinity River (Texas Stream Segment 0805B)</b>	
Hickory Creek – Parson’s Slough	3
<b>East Fork Trinity River (Texas Stream Segment 0819)</b>	
Mustang Creek-East Fork Trinity River	0
South Mesquite Creek	0
<b>East Fork Trinity River (Texas Stream Segment 0819A)</b>	
Duck Creek	2
<b>East Fork Trinity River (Texas Stream Segment 0820)</b>	

<b>Table 3-3 Breakdown of Illicit Discharge Investigations by Watershed</b>	
Rowlett Creek-Lake Ray Hubbard	1
<b>East Fork Trinity River (Texas Stream Segment 0820A)</b>	
Cottonwood Creek-East Fork Trinity River	1
<b>Other Unclassified Stream Segments</b>	
Upper Prairie Creek-Trinity River	5
TOTAL:	<b>174</b>

The City enforces upon illicit discharges, including notices-of-violation, criminal litigation by the City Prosecutor’s division in municipal court, and referrals to the City’s community prosecution office for potential action at the County Civil District Court. Table 3-4 provide examples of Illicit Discharge Detection and Elimination Activities.

<b>Table 3-4 Examples of Illicit Discharge Detection and Elimination Activities</b>				
HUC-12 Watershed	Address	Date	Identified Discharge	Date IDDE Resolved
Five Mile Creek – Trinity River	2822 Childs St	1/9/2024	SWM was asked to assist Dallas Marshalls Office and the Dallas Police Department to determine if stormwater violations existed on site. This was a multi departmental effort to bring this location into compliance with all regulations. Multiple violations were observed on site including not having a Multi Sector General Permit; not having a Storm Water Pollution Prevention Plan (SWPPP); not having secondary containment; and multiple spills on the property After meeting with the operators, the site stopped all activities and addressed the violations. Additional meetings were conducted on site to help the operator achieve compliance.	03/01/2024
Headwaters Turtle Creek	Memorial Dr. and Hotel St.	01/10/2024	SWM received a complaint regarding a construction site discharging sediment onto the road. SWM Specialist investigated the construction activity near Memorial Dr and observed a project that was pumping water into the street after a recent rain event. Filter bag and straw wattles were in place but had been overwhelmed by the volume of water. SWM spoke with the Superintendent and pumping was immediately stopped. Specialist and Superintendent discussed the need for improved BMPs to prevent a potential discharge of sediment.	01/10/2024

**Table 3-4 Examples of Illicit Discharge Detection and Elimination Activities**

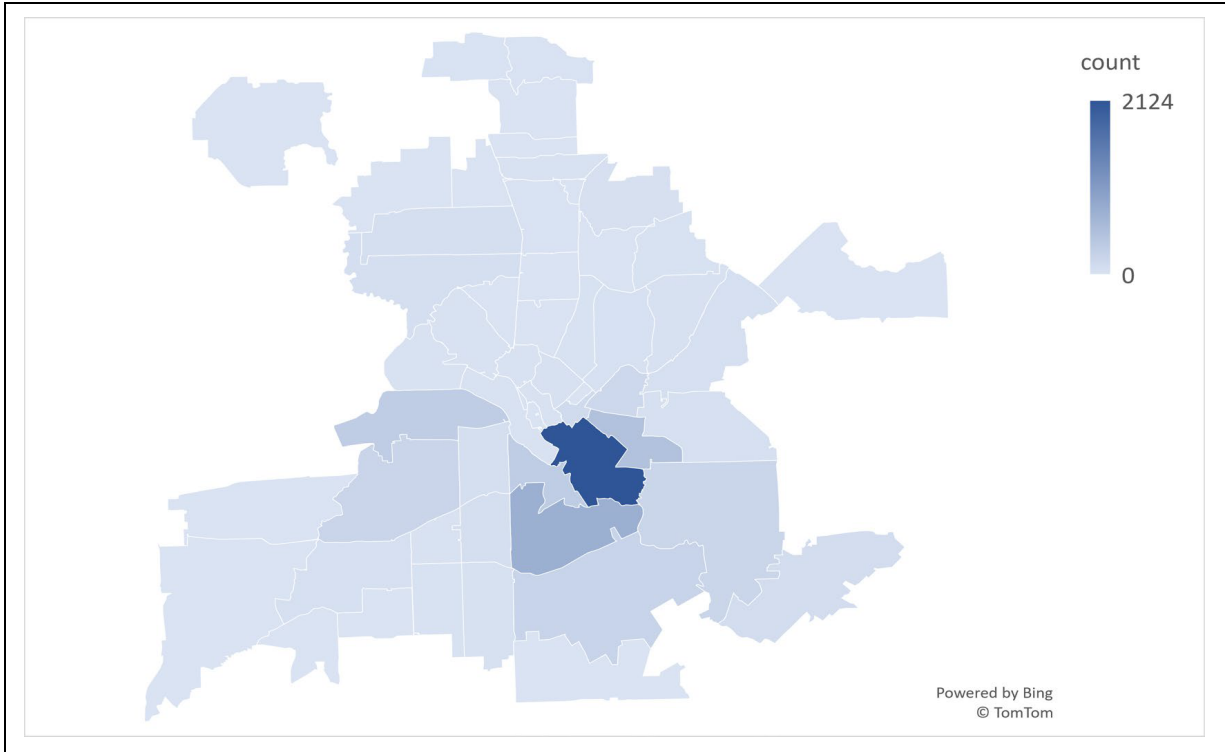
HUC-12 Watershed	Address	Date	Identified Discharge	Date IDDE Resolved
Turtle Creek Trinity River	300 E. Colorado Blvd	8/31/2024	Stormwater Management responded to a complaint regarding oil in a creek leading to a small lake in a City park. After investigation, it was determined that the oil was coming from a storm drain adjacent to an oil change business a few blocks away from the park. Oil stains were visible on the street surface leading directly to the storm drain in front of the business. It was discovered that there was a used oil spill at this location a few days earlier and it was not properly remediated. SWM contracted an environmental cleanup company to remediate the impacts of the spill in the creek, lake and stormwater drainage system. This incident has been referred to the City Attorney’s Office for potential legal action against the responsible party.	09/13/2024

Similarly, the City eliminates improper disposal sources of non-stormwater materials into the MS4 by investigating complaints, issuing citations, and making arrests for illicit discharges and improper disposal.

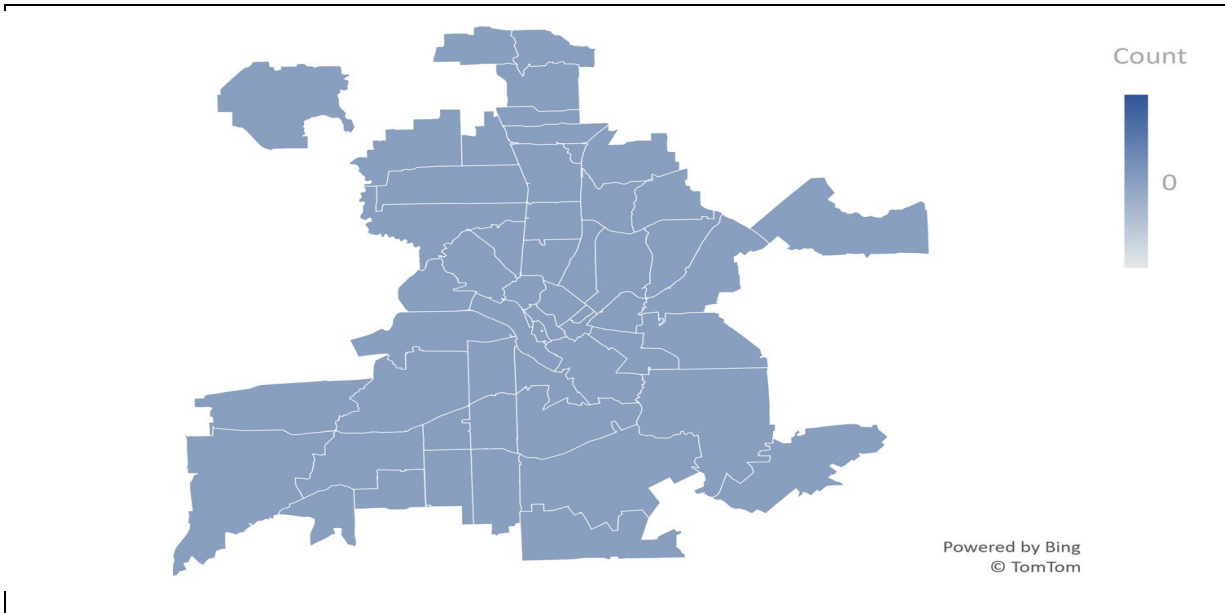
Figures 3-1 through 3-3 below summarizes service requests submitted to the City in PY5 requesting investigation into various kinds of improper disposal.







**Figure 3-3: Illegal Dumping Abatement Service Requests by Zip Code, PY5**



**Figure 3-4: "Yard Waste" keyword Service Requests by Zip Code, PY 5**

As shown in Table 3-3 above, the City has investigated illicit discharges in most of the HUC-12 watersheds within the permit area.

The City’s Environmental Crimes Unit monitors chronic dump sites and responds to address illegal dumping and illicit discharges. This team coordinates the proper cleanup and discharge or removal of disposed materials within 30 days of discovery, or as expeditiously as reasonably possible. A special unit within this team was formed to patrol the Dallas Floodway to prevent illegal dumping, damages to the levees and flood control system, and other related vandalism.

Code enforcement concerning proper yard waste management is provided year-round.

The City also addresses animal wastes related to pets through outreach and education, and appropriate Code enforcement concerning leash and “pooper-scooper” laws.

**Establishment, Maintenance and Evaluation and Update of the List of Priority Areas (Permit Section III.B.2.c.xi)**

*See table 3-1 sections C.3 and C.7, “Evaluation and Update of the List of Priority Areas”.*

The City maintains two separate lists of priority areas under the IDDE program: 1. Areas likely to have illicit discharges and, 2. Areas with a higher probability of sanitary sewer overflows.

See Tables 3-5 and 3-6 below.

<b>Watershed</b>	<b>IDDE-related Service Requests</b>
Headwaters Turtle Creek	47
Turtle Creek-Trinity River	617
Bachman Branch-Elm Fork Trinity River	540
White Rock Creek-White Rock Lake	490
City of Dallas-White Rock Creek	455
Five Mile Creek-Trinity River	302
Headwaters Five Mile Creek	273
Floyd Branch-White Rock Creek	257
Upper Prairie Creek-Trinity River	130

Table 3-5 The 10 Watersheds with Most IDDE Investigations, Oct. 2016 to Sept. 2024	
Watershed	IDDE-related Service Requests
Dallas East Bank	63

Table 3-6 List of Sanitary Sewer Overflow Sewershed Priority Areas, PY 5
Priority Sewersheds
White Rock
East Bank
Five Mile
West Bank
Prairie Creek
Warren Avenue
TRA
Hickory Creek
Elam Creek
Pleasant Grove
South Dallas
Garland

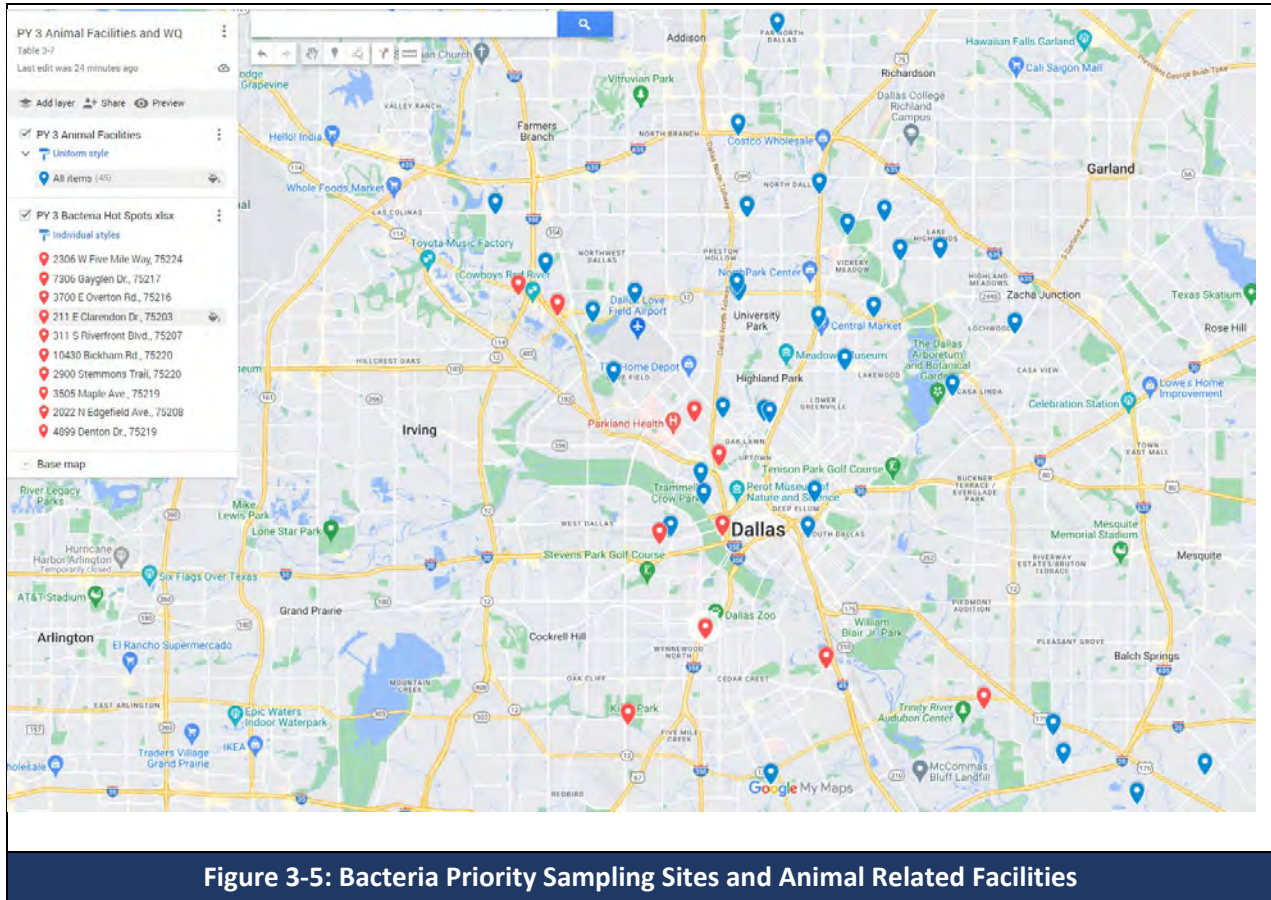
The impairments of the Trinity River and White Rock Creek led the City to look more closely at Animal-Related Facilities. City defines Animal-Related Facilities as land use types “Animal Shelter or Clinic”, “Commercial Stable”, and “Private Stable”, respectively. At the end of PY4, the City has not seen evidence that a focus on these facilities is warranted. Table 3-7 below summarizes the City’s analysis of these facilities for PY4:

Table 3-7 Animal-Related Facilities Impact on Water Quality Key Focus Areas			
Land Use	Mapsco	Zip Code	PY5 Water Quality Related Service Requests
Animal Shelter or Clinic	26-F	75243	None
	4-F	75287	None
	15-T	75230	None
	22-F	75229	None
	22-V	75220	None
	24-T,24-X	75220	None
	25-F	75230	None
	25-X	75225	None
	25-X	75225	None
25-X	75225	None	

**Table 3-7  
Animal-Related Facilities Impact on Water Quality Key Focus Areas**

Land Use	Mapsc0	Zip Code	PY5 Water Quality Related Service Requests
	26-B	75230	None
	26-L	75231	None
	27-E	75231	None
	27-N,27-P	75231	None
	27-Q, 27-R	75238	None
	33-C	75220	None
	33-R	75235	None
	35-S	75219	None
	35-U	75204	None
	35-U	75204	None
	36-B	75206	None
	36-D	75214	None
	36-L	75214	None
	36-L	75214	None
	37-R	75218	None
	38-C	75218	None
	38-C	75218	None
	44-H	75207	None
	44-J	75226	None
	44-M	75207	None
	44-N	75215	None
	44-P	75208	None
	5-C	75248	None
	5-K,5-P	75248	None
	5-K,5-P	75248	None
	5-Y,5-Z	75248	None
Commercial Stable	69A-H	75253	None
Private Stable	65-L,65-M	75241	None
	69 A	75217	None
	69A-N	75253	None
	69A-N	75253	None
	69-E,69-F,69-J,69-K	75217	None

The City mapped the locations of the animal-related facilities compared to the ten bacteria priority sampling locations and did not find an apparent impact on those respective sampling sites. See Figure 3-5 below.



**Figure 3-5: Bacteria Priority Sampling Sites and Animal Related Facilities**

**Overflows and Infiltration (Permit Section III.B.2.c.viii)**

See table 3-1 section C.4, "Overflows and Infiltration".

The City maintains controls to prevent dry weather and wet weather overflows from the sanitary sewers to the MS4. The City also has a program to limit the infiltration of seepage from municipal sanitary sewers into the MS4. See table 3-1 below for details.

Like many U.S. cities, the City has aging sanitary sewer infrastructure and the related challenges of addressing sanitary sewer overflows (SSO) and infiltration.

To address this challenge, the City actively participates in the TCEQ Sanitary Sewer Overflow Initiative. The City reduces SSO and infiltration by:

- Providing proper grease disposal information and education at public outreach events to residential customers, industry, and trade organizations;

- Providing focused education to residents and neighborhoods where grease related SSO have occurred;
- Providing “Cease the Grease” educational information in water bill inserts;
- Supporting and promoting the “Defend Your Drains” initiative, a partnership with other regional governments facilitated by the North Central Texas Council of Governments;
- Inspecting grease generating establishments;
- Performing sewer main cleaning, conducting CCTV inspections of the wastewater system, inspecting manholes, and inspecting selected sewer basins and areas with exposed sewer mains due to creek/stream erosion;
- Completing system upgrades through repair and replacement;
- Inspecting and remotely monitoring collection system lift stations;
- Conducting smoke tests;
- Applying root control application;
- Using GIS technology to identify areas that may require more frequent inspections and maintenance to proactively address issues before they become emergencies.
- Changing the City Ordinance to include specific schedules for pumping out grease traps located upon the premises of Food Service Establishments; and
- Completing the Comprehensive Wastewater Collection System Assessment Update (CWWCSAU).

The City responds to SSO discharges via customer complaints as well. Response activities varied depending upon the nature of the overflow, but are generally categorized as follows:

- Follow-up sewer system cleaning
- Follow-up sewer system television inspection
- Point repairs to the sewer system
- Pipe replacement
- Pipe rehabilitation
- Data analyses
- Clean up, containment, and location monitoring (wet weather overflows)

# Dry SSO Events FY 2023-2024

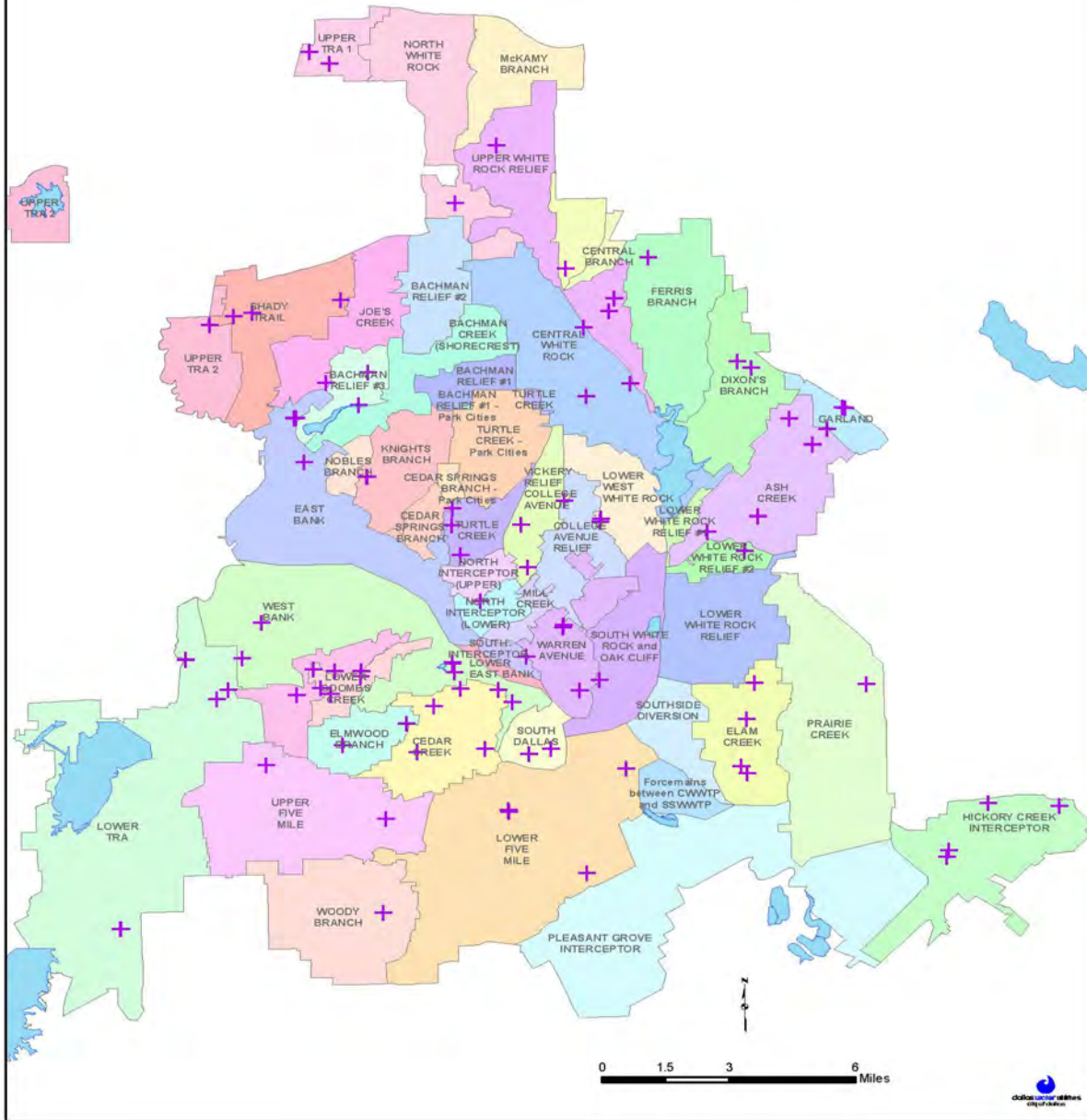


Figure 3-6: Dry Weather SSO PY5 Sewer shed Map



### **Household Hazardous Waste and Used Motor Vehicles Fluids (Permit Section III.B.2.c.ix)**

*See table 3-1 section C.5, "Household Hazardous Waste and Used Motor Vehicles Fluids".*

Most households routinely use small amounts of pesticides, herbicides, fertilizers, used oil and other automotive fluids, batteries, paints, paint remover and solvents in the day-to-day upkeep of their homes, apartments, and condominiums. These materials may contain hazardous materials and are classified as "household hazardous waste". Improper discharge of these materials through the City's trash collection, or storm drainage system, can pose a significant environmental impact.

Dallas County operates the HC3 Program facility as a central waste collection center. In addition to hosting several one-day collection events, the HC3 center is open Tuesdays, Wednesdays, Thursdays and the 2<sup>nd</sup> and 4<sup>th</sup> Saturdays of each month year-around. Collection services are provided free-of-charge to residents of Dallas County HC3 participating cities. The City provides funding to the Dallas County Home Chemical Collection Center (HC3) to support the Dallas County Household Hazardous Waste (HHW) Program and promotes and assists collection events. The program focuses on decreasing improper disposal of household hazardous chemicals and used oil. Promoting this facility helps to educate residents on proper use, care, and disposal of these materials.

### **MS4 Screening and Illicit Discharges Inspections (Permit Section III.B.2.c.x)**

*See table 3-1 section C.6, "MS4 Screening and Illicit Discharge Inspections".*

Illicit discharge inspection activities are conducted in response to complaints, to address identified illicit discharges and/or improper disposal, or in response to information obtained through the dry weather screening program. The City's dry weather screening program focuses on identifying and eliminating illicit connections and improper discharges to the MS4. Techniques used for detecting illicit discharges include:

- **Dry Weather Outfall Inspections:** Dry weather inspections are integrated into the MS4 map documentation tasks, and all known outfalls are scheduled for inspection within this permit term. If new outfalls are identified as a part of the process, then the MS4 system maps are updated with these data. The outfalls are geo-located using a Global Positioning System (GPS) unit. Any observations of discharge from the outfall are noted and are sampled for field parameters (pH, temperature, total suspended solids, turbidity, ammonia, chlorine, conductivity copper, iron, detergents, dissolved oxygen, and hardness) using a dry weather sample kit. If there is an unusual color, odor, or other field parameter(s) noted outside of the ambient water quality conditions, then a full sample is collected and transmitted to a NELAP-certified laboratory for selected analyses.

Table 3-8 below summarizes the dry weather screening activity per watershed during the reporting period.

<b>Table 3-8 Dry Weather Screening Activities</b>				
<b>12 Digit HUC Watershed</b>	<b>Watershed</b>	<b># of Outfalls Inspected</b>	<b># of Outfalls with Drainage</b>	<b>#Illicit Discharges</b>
<b>Lower West Fork Trinity River (Texas Stream Segment 0841)</b>				
Fish Creek-Mountain Creek Lake	FC-MCL	0	0	0
Cottonwood Creek-Mesquite Creek Lake	CC-MCL	1	0	0
Delaware Creek-West Fork Trinity River	DC-WFTR	2	0	0
<b>Elm Fork Trinity River (Texas Stream Segment 0822)</b>				
Farmers Branch-Elm Fork Trinity River	FB-EFTR	1	0	0
Bachman Branch-Elm Fork Trinity River	BB-EFTR	160	1	0
<b>White Rock Creek System (Texas Stream Segment 0827)</b>				
Floyd Branch-White Rock Creek	FB-WRC	106	0	0
White Rock Creek-White Rock Lake	WRC-WRL	261	0	0
City of Dallas-White Rock Creek	COD-WRC	71	0	0
<b>Main Stem Trinity River (Texas Stream Segment 0805)</b>				
Headwaters-Turtle Creek	HTC	83	1	0
Turtle Creek-Trinity River	TC-TR	134	2	0
<b>Main Stem Trinity River (Texas Stream Segment 0805B)</b>				
Hickory Creek - Parson's Slough	HCPS	49	0	0
<b>Five Mile Creek System (Unclassified Water Body)</b>				
Headwaters Five Mile Creek	HFC	65	0	0
Five Mile Creek-Trinity River	FMC-TR	45	0	0
<b>Other Unclassified Creeks</b>				
Upper Prairie Creek - Trinity River	UPC-TR	0	0	0
Headwaters Ten Mile Creek	HTM	0	0	0
<b>East Fork Trinity River (Texas Stream Segment 0819)</b>				
South Mesquite Creek	SMC	3	0	0
<b>East Fork Trinity River (Texas Stream Segment 0819A)</b>				
Duck Creek	DC	9	0	0
<b>TOTAL:</b>		<b>990</b>	<b>4</b>	<b>0</b>

- Illicit Discharge Investigations:** When there are detected illicit discharges, the flow is traced from the discharge location to the source. Field observations and CCTV review are used with dye testing as necessary to determine the source location. The identified owner is then compelled to make the appropriate system improvements to reduce the impact to the MS4. As appropriate for the severity of the discharge, the owner may be provided with a Notice-of-Violation, outside complaint or citation for an illicit connection, or discharge to the MS4. The City reports reportable quantities of hazardous materials, as defined in 30 TAC 327, to the TCEQ.

- **Routine Industrial and Construction Compliance Inspections:** Routine industrial and construction compliance inspections include a facility outfall inspection. Any illicit discharges identified through these inspections are noted in the inspection report and sampled as described under the above dry weather description. Enforcement also occurs as appropriate for the severity of the discharge.
- **Service Request Responses Concerning Unusual Water Conditions:** Staff may also encounter illicit discharges through responses to water quality service requests. When the request includes information concerning unusual water conditions, staff will contact the complainant to get more information on the discharge, including physical characteristics and when and where it was first noticed. Under this circumstance, the MS4 map is used with inlet and outfall inspections to trace the origin of the release. CCTV is also used as necessary to trace the source.
- **Emergency Response to Spills and Fish Kills:** Illicit discharges are sometimes identified as a part of the City’s investigation into the cause(s) and sources of spills and fish kills. The protocols followed are like those identified for unusual water conditions and dry weather investigations.

**NPDES and TPDES Permittee List (Permit Section III.B.2.c.xii)**

*See table 3-1 section C.8, " NPDES and TPDES Permittee List" and Appendix A*

The City maintains a current list of sites including name, location, and permit number that require TPDES permits. The list is updated as new sites initiate construction or industrial operations under the required NPDES/TPDES permits.

*See Appendix A.*

The 2020 Regional I-Plan provides the list of TPDES-permitted wastewater dischargers. See table 3-9 below.

**Table 3-9 TPDES Permitted Wastewater Dischargers**

*(Source: June 30, 2020 I -Plan for Bacteria in the Greater Trinity River Region)*

Segment Watershed	Discharges to:	TPDES Permit No. (WQ00--)	Permittee*	Effluent Type <sup>a</sup>	Permitted Flow (MGD) <sup>c</sup>
0822B	Grapevine Creek (0822B)	01441-059	Dallas/Fort Worth International Airport	SW	<sup>b</sup>
0841	0841_02	10494-013	City of Fort Worth Village Creek WWTP	WW	166
0841	0841_01	03446-000	Frontera Pressure Pipe	IW/SW	<sup>b</sup>
0841	0841_01	10303-001	Trinity River Authority (TRA) Central WWTP	WW	189
0841	Bear Creek Big Bear Creek Trigg Lake	01441-001 -014, -019, -025, -023	Dallas/Fort Worth International Airport	SW	<sup>b</sup>
0841	Mountain Creek	01250-003	Extex LaPorte LP – Mountain Creek Lake Steam Electric Station	SW	<sup>b</sup>
0805	0805_04	04161-000	Hines Reit 2200 Ross LP (Chase Tower)	GW	0.155
0805	0805_04	04663-001 and -002	Buckley Oil Company	SW	<sup>b</sup>
0805	0805_04	04765-000	2100 Ross Realty LP (San Jacinto Tower)	GW	0.0291
0805	Old Channel of Elm Fork Trinity	14699-001	Dallas County Park Cities MUD Water Treatment Plant	FB	0.72
0805	0805_03	10060-001	City of Dallas Central WWTP	WW	200

**MS4 Map (Permit Section III.B.2.c.xiii)**

See table 3-1 section C.9, "MS4 Map" and Appendix D.

City presently operates a system with about 11,000 different storm sewer outfalls, 1,800 miles of storm sewer pipe, and over 67,000 inlets.

The City has implemented a unified asset inventory system that assigned unique identifiers to the City’s stormwater assets to allow efficient tracking of system conditions, inspections, and maintenance. The system is a GIS-based data management system that integrates system inventory data into the system map. Regular updates, corrections and additions to this data management system provide timely, accurate data needed to effectively manage the stormwater infrastructure system. At present, the field asset verification program involves several efforts:

- The outfall locations are being verified as a part of the Dry Weather Inspection program. All outfall locations are verified using a survey grade GPS system, and these data are uploaded into the asset inventory system. Staff currently use system mapping with physically walking the channel banks to locate any outfalls that were previously not identified. In addition to verifying the location and

performing dry weather discharge monitoring, the outfall condition is also noted, and any repair or replacement needs are forwarded to the appropriate department for action.

- Outfall locations on industrial facilities are verified as a part of the regular site compliance inspections, with staff physically locating and inspecting each outfall identified in the SWPPP. Outfalls that require repair or other improvements are noted in the facility inspection report. Significant variances between the SWPPP and observed field conditions will also be noted and may warrant an NOV.
- The inlet locations are verified over the course of the required permit term. These inspections include location verification using survey grade GPS, along with an assessment of inlet condition. Any needed cleaning or repairs are noted, and these data are electronically uploaded into the asset inventory. The CCTV crews televise all of the primary storm sewers to verify location, size, pipe type, and condition. They also upload electronic data into the asset system and provide recommendations for any necessary line cleaning or repair.
- There is CCTV staff dedicated to new construction documentation. Upon receiving notification from the building inspection officials that construction is complete, the CCTV crew field-verifies the locations, type and sizes of the inlets, manholes, storm sewers and outfalls associated with the new construction. All data is collected using a combination of field grade GPS equipment, and CCTV, and is uploaded into the asset inventory.
- The asset inventory is also updated through GPS locations of surface features and CCTV inspections that are conducted in response to customer requests for storm sewer system locations.
- The asset inventory may also be updated through contracted CCTV and field verification of storm drainage facilities on a site-specific basis. Contracted asset map updates are required to be consistent with the City’s Field Asset Verification protocols.

Table 3-10: MS4 Map-Related Procedures and Work Instructions	
Work Instructions: SWO CCTV Process SWO Vacuum Process SWO Line Locate SWO CCTV Inlet Inspections SWO Camera Inspection	Procedures: Closed Circuit Television (CCTV) (055) CCTV Confined Space Entry (059) CCTV - Inlet Inspection (057) (CCTV) Line Locate (056) CCTV Mapping New Storm Sewer Assets by GPS (058)

**Spill Prevention and Response (Permit Section III.B.2.c.xiv)**

See table 3-1 section C.10,” Spill Prevention and Response”.

The City uses the 311/911 system for receiving and dispatching notice of hazardous and non-hazardous spills. If a spill of this type enters the City’s MS4 system, attempts are made to mitigate the effects to the MEP to prevent the materials from reaching Waters of the United States. The City tracks all spills, including those with a discharge to the MS4 and those that are successfully mitigated so there are no MS4

impacts. Both Dallas Fire Rescue (DFR) and the Office of Environmental Quality and Sustainability (OEQS) respond to spills twenty-four hours a day, seven days per week. DFR is the lead agency for hazardous spills. Incidents are mitigated by contracted remediation companies to prevent these pollutants from adversely impacting the drainage system. Both OEQS and DFR oversee and inspect clean-up activities to ensure that the cleanup is effectively complete.

The City promotes effective development and implementation of City Code and policies that help limit stormwater pollutants and maintains legal requirements for private entities within the jurisdiction of the permittee concerning spills and illicit discharges. Element 2 includes a regular review of these related City Codes to identify any needed updates to these MCM.

The City has a robust internal Spill Prevention program discussed in more detail in MCM 4.

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**Table 3-1**

**MCM 3 – Illicit Discharge Detection and Elimination**

Best Management Practice/Targeted Control	Measurable Goal	Implementation Schedule	Implementation Status for Reporting Period October 1, 2023- September 30, 2024
<b>C.1 Illicit and Allowable Discharges</b>			
Track the number and nature of illicit discharge and improper disposal service requests	Respond to 100% of “Chemical Spill-Urgent”, “Swimming Pool Discharge”, “Sewage Discharge – OEQS”, “Illegal Dumping – Urgent” service requests on time per the service level agreement	PY2 - PY5	100% on time
	Respond to 100% of “Water Pollution” service requests on time per the service level agreement	PY2 – PY5	100% on time
Maintain Dallas City Code 19-118 List of Allowable and Prohibited Discharges	Documented annual review	PY1- PY5	No changes to the list in PY 5
<b>C.2 Detection and Elimination of Illicit Discharges, Status of Complying with New SWMP Requirements</b>			
Utilize Capital Funding to replace aging sanitary sewer pipelines and to prevent SSO and to limit infiltration of see page from municipal sanitary sewer into the MS4	30,000 linear feet of sanitary sewer pipeline replaced	PY2 - PY5	95,339 linear feet replaced
Detect, inspect, and investigate illicit discharges	See “Track the number and nature of illicit discharge and improper disposal service requests” above		
Continue to require the operator of an illicit discharge to eliminate the illicit discharge immediately or as quickly as reasonable possible	Track time from discovery to resolution for all illicit discharges	PY1 - PY5	Tracking table on file.
	90% of illicit discharges sources stopped within 30 days of discovery.		90% of illicit discharge sources stopped within 30 days



**Table 3-1**

**MCM 3 – Illicit Discharge Detection and Elimination**

Best Management Practice/Targeted Control	Measurable Goal	Implementation Schedule	Implementation Status for Reporting Period October 1, 2023- September 30, 2024
	100% of illicit discharge that cannot be reasonably resolved within 30 days are stopped and resolved in accordance with an expeditious written plan for resolution		The 2 illicit discharges that were not stopped within 30 days were due to leaking underground petroleum storage tanks and old sewage pipe scheduled to be replaced. SWM worked with TCEQ and the gas stations to stop the discharge as quickly as possible.
Continue to require the operator of improper disposal practices to stop the improper disposal practice immediately or as quickly as reasonable possible.	Track time from discovery to resolution for all improper disposal practices	PY1 - PY5	76 Improper disposals
	90% of improper disposal sources stopped within 30 days of discovery.		95%
	100% of improper disposal sources that cannot be reasonably resolved within 30 days are stopped and resolved in accordance with an expeditious written plan for resolution		4 improper disposals not closed out within 30 days but they were reasonably resolved within 30 days and closed out shortly after 30 days. No written plan was necessary.
Manage the feral hog population	Complete 100% of the hog surveys planned for the fiscal year		100% completed

**Table 3-1**

**MCM 3 – Illicit Discharge Detection and Elimination**

Best Management Practice/Targeted Control	Measurable Goal	Implementation Schedule	Implementation Status for Reporting Period October 1, 2023- September 30, 2024
Using SDC-Building Inspections Certificate of Occupancy reports, Inventory animal-related businesses, cross-reference against Service Requests and water quality data, and include in priority areas determination	Completed list and map	PY1-PY5	See Table 3-7 and Figure 3-5
Prepare a Yard Waste SR heat map and include in priority areas determination	Updated Heat map each year included in system-wide annual report	PY1-PY5	See Figure 3-4
Remove illegally dumped tires	# of tires removed by Environmental Crimes Unit	PY1-PY5	2,948 tires
	# of tires removed by Code Compliance		17,367 tires
Abate Illegally dumped materials	Complete 70% of “Illegal Dump Abatement” service requests on time as defined by the service level agreement	PY2-PY5	99% on time
<b>C3. and C7. Evaluation and Update of the List of Priority Areas</b>			
Update the list of service request types related to illicit discharge and improper disposal	Updated List	PY1-PY5	No changes in PY5
Identify the IDDE priority areas by service request volume per watershed	Updated map of service requests by zip code	PY2-PY5	See Table 3-3 (super)
Generate Litter (7A-18), Solid Waste (18-50), Junk Motor Vehicle (18-20), and Illegal Dumping (18-12) heat maps for use in MCM 3 and MCM 7	Completed Map (Updated Annually)	PY1-PY5	See Tables 3-1, 3-2, and 3-3
Evaluate and Update the list of priority areas	Completed evaluation and update	PY1-PY5	See Table 3-5

**Table 3-1**

**MCM 3 – Illicit Discharge Detection and Elimination**

Best Management Practice/Targeted Control	Measurable Goal	Implementation Schedule	Implementation Status for Reporting Period October 1, 2023- September 30, 2024
Evaluate and update the list of priority areas for the prevention of Sanitary Sewer Overflows (SSO)	Complete the evaluation and update of the list of priority areas through the Comprehensive Wastewater Collection System Assessment Update (CWWCSAU)	PY1-PY5	See Table 3-6
Identify and locate wet weather and dry weather sanitary sewer discharges to the MS4	Annually Updated Map	PY1-PY5	See Figure 3-6
Map wet and dry weather illicit discharges	Annually Updated Map	PY-1-PY5	See Table 3-3 and Table 3-8
<b>C4. Overflows and Infiltration</b>			
Determination of Priority Areas	See C.3 above	See C.3 above	See C.3 above
Inspect sanitary sewer pipes	Inspect 5% of the sanitary sewer system (in miles) using CCTV	PY1-PY5	6.5% (265.0 miles) Inspected
Performing preventative maintenance of the sanitary sewer system	Clean 36% of sanitary sewer system pipelines (in miles)	PY1-PY5	39.9% (1624.1 miles) Cleaned
Repairing the sanitary sewer system.	1000 repairs completed	PY1-PY5	1527 sanitary sewer repairs completed
Providing proper grease disposal information and education at public outreach events to residential customers, industry, and trade organizations;	50 events	PY1-PY5	90 grease disposal events
Providing “Cease the Grease” educational information in water bill inserts;	1 insert per year	PY1-PY5	1 water bill insert sent
Inspecting grease generating establishments;	1000 Inspections	PY1-PY5	2762 inspections

**Table 3-1**

**MCM 3 – Illicit Discharge Detection and Elimination**

Best Management Practice/Targeted Control	Measurable Goal	Implementation Schedule	Implementation Status for Reporting Period October 1, 2023- September 30, 2024
<b>C.5 Household Hazardous Waste and Used Motor Vehicles Fluids</b>			
Conduct BOPA events (Batteries Oil Paint Antifreeze) collection events	8 per year	PY1-PY5	16 events
	Total attendance at each event		1687 attendees
Conduct City-sponsored Household Hazardous Waste (HHW) Collection events	1 per year	PY1-PY5	0 events
	Number of residents that attended		0 attendees
<b>C.6 MS4 Screening and Illicit Discharges Inspections</b>			
Maintain a dry weather outfall screening program	See MCM8, "Dry Weather Screening"		
Maintain a Priority Areas program	See "Evaluation and Update of the List of Priority Areas" in this table above		
Maintain an illicit discharge investigations and inspection program	See "Detection and Elimination of Illicit Discharges" in this table above		
<b>C.8 NPDES and TPDES Permittee List</b>			
Annually update the list of stormwater and wastewater direct dischargers to the MS4	Annually Updated List	PY1-PY5	See Table 3-9 and Appendix A
Use the CO to Direct Discharger index above to screen Certificate of Occupancies issued by the City to identify businesses that need a permit to direct discharge to the MS4 but may not have one	Inspect 5 unpermitted facilities to determine if they need a permit	PY2-PY5	See Table 5-1; 58 new facilities added to inspection program PY 5

**Table 3-1**

**MCM 3 – Illicit Discharge Detection and Elimination**

Best Management Practice/Targeted Control	Measurable Goal	Implementation Schedule	Implementation Status for Reporting Period October 1, 2023- September 30, 2024
<b>C.9 MS4 Map</b>			
Verify existing MS4 assets (inlets, outfall, pipes and other features) and update map with new drainage assets	See MCM1 “MS4 Maintenance” Table A-1		
	15,000 asset system updates	PY2-PY5	16,165
	See MCM1 “MS4 Maintenance” Table A-1		
Evaluate all existing portions of the MS4	See MCM 1, “MS4 Maintenance,” Table A-1		
<b>C.10 Spill Prevention and Response</b>			
Maintain a City spills response program	See MCM 4, “Pollution Prevention and Good Housekeeping for Municipal Operations”		
Investigate cause and effect for service requests related to Fish Kills	See MCM 1, “MS4 Maintenance”- “Creek and Channel Maintenance”, BMP “Investigate cause and effect for service requests related to Fish Kills”		
Maintain an illicit discharge response program	See BMPs above in this table		
Respond to hazardous spills and spills that impact the MS4 and Waters of the US	Respond to 100% of City spills on time per response time required by City Administrative Directives	PY2-PY5	100% responded to on time
	Mitigate 100% of spills that impact the MS4 and Waters of the US regulatory and City standards	PY2-PY5	100% mitigated

***MCM 4-  
Pollution  
Prevention/Good  
Housekeeping for  
Municipal Operations***

**MCM 4: POLLUTION PREVENTION AND GOOD HOUSEKEEPING FOR MUNICIPAL OPERATIONS**

To control the quality of stormwater discharged from the MS4 that reach the waters of the US, the City has maintained, over several permit terms, a comprehensive pollution prevention and good housekeeping for municipal operations program. The activities in this MCM overlap with other MCMs, including MCM 1 “MS4 Maintenance”, MCM 3 “Illicit Discharge Detection and Elimination”, and MCM 7 “Public Education, Outreach, Involvement, and Participation”.

Promoting good internal pollution prevention and good housekeeping measures at City facilities ensures that the City “walks-the-talk” regarding preventing stormwater pollution from day-to-day city operations and maintenance activities. These actions are important to demonstrate integrity to the communities served, helping the City effectively enforce environmental regulations within the permit area.

The City of Dallas has a robust pollution prevention and good housekeeping program that focuses on continuous improvement processes to reduce pollutant runoff from municipal operations. This program incorporates the City’s Environmental Management System (EMS) and provides for appropriate management of the waste removed from the MS4, appropriate controls for pesticides, herbicides and fertilizer use, and spills and emergency response. As described in MCM 7, training to prevent and reduce stormwater pollution from municipal operations is provided through an ongoing in-reach education program promoted by environmental staff in several departments.

**Status of Implementing the SWMP:** *Except for two Measurable Goals discussed below, all measures proposed in the SWMP for PY5 are fully implemented per the compliance schedule and are functioning as intended to prevent the discharge of pollutants to the MS4 to the maximum extent practicable (MEP).*

This Measurable Goal did not occur as planned in PY4:

Best Management Practice/Targeted Control	Measurable Goal	Implementation Schedule	Implementation Status for Reporting Period (October 1, 2023-September 30, 2024)
<b>D.1 Pollution Prevention/Good Housekeeping Program</b>			
Maintain ISO 14001:2015 EMS program to promote continuous improvement with respect to pollution prevention and good housekeeping at municipal operations	2 Environmental Scorecard Reports to EMS departments	PY2-PY5	0 Scorecards issued The City EMS departments have determined as a group that the Scorecard is not needed pending new information system

Best Management Practice/Targeted Control	Measurable Goal	Implementation Schedule	Implementation Status for Reporting Period (October 1, 2023-September 30, 2024)
<b>D.3 Pesticide, Herbicide, and Fertilizer Application</b>			
Maintain a list of City facilities where pesticide treatment subject to the Pesticide General Permit (TXG870000) occur	1 PGP brief to delivered to Environmental Core Team	PY2-PY5	No PGP brief delivered in PY5.

Table 4 -1 “MCM 4 – Pollution Prevention and Good Housekeeping for Municipal Operations” (below, at the end of this chapter) details the specific Targeted Controls and Best Management Practices established and maintained to achieve progress towards the objectives of MCM 4 and the SWMP.

**Proposed Changes to the SWMP for the next Reporting Year:**

1. For permit year 5, the Measurable Goal discussed above, “2 Environmental Scorecard Reports to EMS departments” will be removed from the SWMP list of Measurable Goals.
2. For the Measurable Goal “1 PGP brief to delivered to Environmental Core Team”, the implementation schedule will be revised to “PY2”, the permit year that corresponds to the Pesticide General Permit renewal process schedule.

**Number and Nature of Enforcement Activities:** Not applicable.

**Pollution Prevention and Good Housekeeping program (Permit Section III.B.2.d.i)**

*See table 4-1 section D.1, “Pollution Prevention/Good Housekeeping Program”*

The City established an effective pollution prevention/good housekeeping program by implementing an Environmental Management System (EMS) program in 2005. This program was certified under the International Standards Organization (ISO) 14001 protocols for EMS on June 3, 2008 and was re-certified in May 2014 after a comprehensive external audit by UL-DQS.

In 2005, Dallas City Council approved the City environmental policy. See Figure 4-1. Although the City has had three City Managers since this 2005 adoption, each City Manager in turn has signed off on and promulgated this policy. The policy is made known to employees in both English and Spanish.

To support implementation of the EMS, the City also developed Administrative Directives (AD) that outline City environmental policy and set forth specific requirements for operations to minimize the City’s impact on the environment.

At the department level, the EMS framework allows each department to assess their environmental risks and develop programs and procedures to address those risks. City operations are performed consistently, using good housekeeping and BMPs, following Standard Operating Guidance (SOG) to promote reduction of discharge of pollutants to the MEP from road repair, equipment yards, and material storage facilities,



water plants, and maintenance facilities. Beginning at New Employee Orientation and building from there, the City delivers regular environmental training for all employees.



**EARTHDAY** City of Dallas

**EVERYDAY**

### Environmental Policy

The City of Dallas is committed to a clean, safe, and healthy environment. As such, we will exercise environmental stewardship in our dealings with employees, other governments, citizens, City contractors, business and others in the community for our world today as well as for future generations. Caring for the environment is one of our core values, and this is demonstrated by ensuring our activities are in harmony with the natural world around us.

This commitment is embodied by the following actions:

- ❖ Implementation of programs and procedures with an intent to meet or exceed all applicable environmental laws and regulations.
- ❖ Continual improvement of our environmental performance through proactive environmental management and self-assessments and/or third-party assessments.
- ❖ Prevention of pollution at its source through implementation of best management practices and resource conservation measures to reuse, reclaim, and recycle materials we generate.
- ❖ Utilization of Environmental Management Systems, as appropriate for our operations, to provide a framework for systematically reviewing and reducing our environmental footprint.
- ❖ Employees will abide by all environmental regulations and demonstrate environmental compliance in their daily work practices.
- ❖ Educate City employees on Dallas' environmental policies and motivate and encourage employees to practice environmental stewardship by raising awareness and sensitivity to environmental issues through City policies, regulations, training, and interactive dialogue.
- ❖ Outreach to the citizens and businesses of our community by communication of this Policy and education on the importance of environmental stewardship for clean air and water and sustainable development for the City of Dallas.

Signed \_\_\_\_\_ Date 3/21/2018  
T.C. Broadnax  
City Manager

Approved by Dallas City Council January 26, 2005

Figure 4-1: City of Dallas Environmental Policy

One of the key components of the City Pollution Prevention and Good Housekeeping program is the City internal spill response program. Departments with high risk of spills and leaks have their own spills response teams; the Office of Environmental Quality and Sustainability has 24-7 dedicated staff that oversee the departmental-level clean ups to ensure they happen as they should. Spill prevention training is critical to this program and is provided at the departmental and City level.

The City’s structural control maintenance program is described in detail in MCM 1”MS4 Maintenance”.

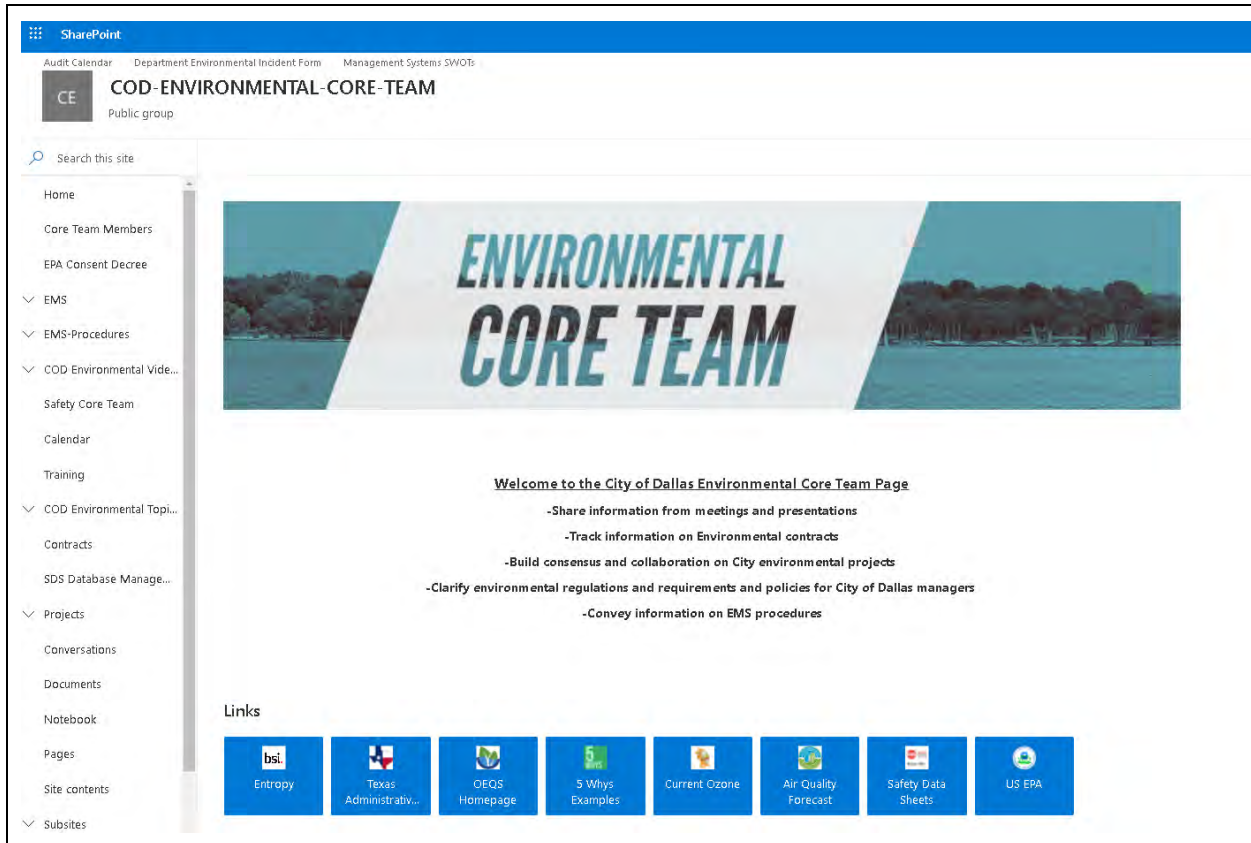


Figure 4-2: Example webpage from City ISO14001 “SharePoint” website

### Waste Handling (Permit Section III.B.2.d.ii)

See table 4-1 section D.3, “Waste Handling”

Preventing environmental impacts through appropriate management of the waste materials removed from the MS4 is as important as removing the wastes from the MS4. Each department follows waste management SOG tailored for their operations and waste manifests or trip tickets document the waste and are reviewed for completeness and accuracy. Frequent inspections catch mismanaged wastes early on and both internal and external audits verify that wastes are managed properly.

**Pesticide, Herbicide, and Fertilizer Application (Permit Section III.B.2.d.iii)**

*See table 4-1 section D.3 “Pesticide, Herbicide, and Fertilizer Application”.*

In accordance with the EMS and the requirements of the Pesticide General Permit (TXG870000), the City maintains a program to reduce the discharge of pollutants related to the storage and application of pesticides, herbicides and fertilizers applied by City employees or contractors to public rights-of-way, parks, and other City property. The City continues its PHF management practices, including maintaining current SOGs, tracking of applicator certifications, tracking applicator continuing education, and documenting pesticide applications (including type and quantity) made each year.

**List of Municipal Facilities (Permit Section III.B.2.d.iv.)**

*See table 4-1 section D.4, “List of Municipal Facilities”. See also Appendix C, “List of Municipal Facilities”*

Developing a good inventory of municipal facilities with the potential to impact the environment is integral to the implementation of an EMS program. As a part of the EMS implementation, the City developed a list of municipal facilities that are required to participate in the program. This information is maintained and reported each year as an Appendix to the SWMP Annual Report. The list of municipal operations that are subject to the requirements of this element is included in Appendix C, along with a current list of TPDES Construction General Permitted projects, and a list of all municipally owned and operated industrial activities subject to the Multi-Sector General Permit (Industrial Permit).

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**Table 4-1**

**MCM 4 – Pollution Prevention and Good Housekeeping for Municipal Operations**

Best Management Practice/Targeted Control	Measurable Goal	Implementation Schedule	Implementation Status for Reporting Period (October 1, 2023-September 30, 2024)
<b>D.1 Pollution Prevention/Good Housekeeping Program</b>			
Maintain ISO 14001:2015 EMS program to promote continuous improvement with respect to pollution prevention and good housekeeping at municipal operations	80 internal environmental audits	PY2-PY5	141 internal audits 29 external audits 0 Scorecards issued
	5 external audits		
	2 Environmental Scorecard Reports to EMS departments		
	80% of identified environmental issues addressed within 90 days.	PY2-PY5	79% addressed within 90 days
Maintain the City fleet	1000 City Vehicles receive preventative maintenance	PY2-PY5	5,646 vehicles maintained
Investigate vehicular spills	All spills reported to OEQS are investigated and preventability is determined and documented	PY1-PY5	100% of spills were investigated for preventability.
Ensure that all City vehicle and equipment spills that enter the MS4 are cleaned up to the MEP	100% of all known City spills that enter the MS4 are remediated	PY1 – PY5	100% of spills remediated
Ensure that the environmental compliance committee makes a recommendation to assign points to employees responsible for non-preventable City spills	Points memorandum sent to subject department director 100% of the time	PY1-PY5	ECC reviewed 4 incidents during FY24. Letter sent to director for each one.

**Table 4-1**

**MCM 4 – Pollution Prevention and Good Housekeeping for Municipal Operations**

Best Management Practice/Targeted Control	Measurable Goal	Implementation Schedule	Implementation Status for Reporting Period (October 1, 2023-September 30, 2024)
Evaluation and identification of poor public works vendor performance	52 weekly NOV or OC notices sent to public works departments	PY2-PY5	52 weekly notices sent
Maintain employee pollution prevention training program	See MCM 7, “Public Education, Outreach, Involvement, and Participation”		
Ensure that City public works project managers understand stormwater pollution prevention	1 class at DWU 1 class at PBW	PY2-PY5	5 classes. DWU 2, PBW 1, AVI 1, DFR 1
<b>D.2 Structural Control Maintenance</b>			
Maintain Structural Control Maintenance program	See MCM 1, “MS4 Maintenance”		
Ensure that Structural Controls issues identified by OEQS-SWM SRT inspections are promptly addressed	95% of identified issues are corrected with 90 days of discovery	PY1-PY5	98.5% of identified issues corrected within 90 days
<b>D.3 Waste Handling</b>			
Ensure proper disposal of waste through compliance auditing and tracking waste management by City facilities	1 internal City annual report of regulated waste handled by regulated waste transport vendor	PY2-PY5	4 quarterly reports
	1 Annual Waste Summary submitted to TCEQ on time for Hensley Waste Yard	PY2-PY5	Annual Waste Summary submitted 3/1/2024

**Table 4-1**

**MCM 4 – Pollution Prevention and Good Housekeeping for Municipal Operations**

Best Management Practice/Targeted Control	Measurable Goal	Implementation Schedule	Implementation Status for Reporting Period (October 1, 2023-September 30, 2024)
	See “Maintain ISO 14001-2015 EMS program to promote continuous improvement with respect to pollution prevention and good housekeeping at municipal operations” above		
Track non-hazardous waste removed from the MS4 through maintenance and community creek and lake cleanup activities	See MCM 1, “MS4 Maintenance”		
<b>D.3 Pesticide, Herbicide, and Fertilizer Application</b>			
Maintain a list of departments that apply pesticides to public rights-of-way, parks, and other municipal property	Annually updated list	PY2-PY5	CCS, PKR, PBW, AVI, DWU, BSD (structural only)
Maintain a List of departmental PHF SOG and WKI	Annually updated list	PY1- PY5	On File with Individual department’s ISO Master Control Plans.
Maintain a list of departments with Integrated Pest Management Programs	Annually Updated list	PY1-PY5	PKR has IPM
Maintain a list of employees who are licensed pesticide applicators	Applicable departments verify that licenses are valid/up to date	PY2-PY5	Licenses tracking information is on-file at the respective departments.
Verify pest management practices through compliance audits	5 internal compliance audits examine PHF practices	PY2-PY5	16 PHF audits

**Table 4-1**

**MCM 4 – Pollution Prevention and Good Housekeeping for Municipal Operations**

Best Management Practice/Targeted Control	Measurable Goal	Implementation Schedule	Implementation Status for Reporting Period (October 1, 2023-September 30, 2024)
	100% of audit findings, if any, are resolved within 90 days	PY2-PY5	No nonconformances identified in PY5 for PHF
Maintain a list of City facilities where pesticide treatment subject to the Pesticide General Permit (TXG870000) occur	Verification of treatments areas subject to TXG870000	PY1-PY5	Pesticide records kept on file at respective departments.
	1 PGP brief to delivered to Environmental Core Team	PY2-PY5	1 briefs in PY5
	Applicable departments verify compliance	PY2-PY5	Verification of compliance with the treatment area thresholds and pesticide use patterns completed.
Provide outreach to commercial applicators and distributors of PHF that operate within the corporate limits of Dallas	See MCM 7, "Public Education, Outreach, Involvement, and Participation"		

**D.4 List of Municipal Facilities**



**Table 4-1**

**MCM 4 – Pollution Prevention and Good Housekeeping for Municipal Operations**

<b>Best Management Practice/Targeted Control</b>	<b>Measurable Goal</b>	<b>Implementation Schedule</b>	<b>Implementation Status for Reporting Period (October 1, 2023-September 30, 2024)</b>
Maintain a current list of Municipal Facilities, including all facilities that participate in the activities of this MCM and all City-owned/operated TPDES regulated industrial facilities	Annually updated list appended to MS4 Annual Report	PY1-PY5	See Appendix C

***MCM 5-  
Industrial and High-  
Risk Runoff***

## MCM 5: INDUSTRIAL AND HIGH-RISK RUNOFF

To control the quality of stormwater discharged from the MS4 that reach the waters of the US, the City has maintained, over several permit terms, an industrial and high-risk runoff program. The program includes processes for identification and control of pollutants in stormwater discharges, priorities, and procedures for inspections and for establishing and implementing control measures. The City conducts industrial and high-risk runoff inspections at municipal landfills, and transfer, storage, or disposal facilities (TSDs), industrial facilities permitted under Multi-Sector General Permit TXR050000, and facilities that are subject to Title III, Section 313 of the Superfund Amendments and Reauthorization Act (SARA 313), that are required to submit annual Toxic Release Inventory (TRI) forms to the EPA. In addition, the City has established ordinances, permits, and contracts to control the contribution of pollutants to the MS4 by stormwater discharges associated with industrial activities.

The activities in this MCM overlap with other MCMs, including MCM 1 “MS4 Maintenance Activities”, MCM 2 “Post-Construction Stormwater Control Measures”, MCM 3 “Illicit Discharge Detection and Elimination, and MCM 8 “Monitoring, Evaluating, and Reporting”. In addition, the City conducts training and education workshops for regulated industrial facilities. More information on these workshops can be found in MCM 7 “Public Education, Outreach, Involvement and Participation”.

Table 5 -1 “MCM 5 – Industrial and High-Risk Runoff” (below, at the end of this chapter) details the specific Targeted Controls and Best Management Practices established and maintained to achieve progress towards the objectives of MCM 5 and the SWMP.

**Status of Implementing the SWMP:** All measures proposed in the SWMP for PY5 are fully implemented per the compliance schedule and are functioning as intended to prevent the discharge of pollutants to the MS4 to the maximum extent practicable (MEP).

**Proposed Changes to the SWMP for the next Reporting Year:** Aside from the Implementation Schedule changes for the Measurable Goal in the section above, no changes for PY5.

**Number and Nature of Enforcement Activities:** 41 notices of violation were issued. 3 facilities were referred to the City Attorney’s Office for further enforcement.

A description of program activities related to Industrial and High-Risk Runoff follows. Table 5-1 at the end of this section provides a summary of activities completed during the reporting period.

### **Continuing to Improve Programs to Identify and Control Pollutants from Industrial and High-Risk Facilities (Permit Section III.B.2.e.i)**

*See table 5-1 section E.2,” Industrial and High- Risk Monitoring Program”.*

For the renewed permit term, the City plans to continually improve programs to control pollutants in stormwater from industrial, commercial, and high-risk facilities. During this permit term, the City’s Office of Environmental Quality- Stormwater Management section (OEQS-SWM) will implement a new program to periodically review City Certificates of Occupancy reports to identify commercial operations

that may require a TPDES MSGP or otherwise may pose an unmonitored risk to the MS4. OEQS-SWM will also periodically review and revise, as needed, its procedure for conducting industrial and high-risk facility inspections, including determining if the City definition of “High-Risk” should be revised.

**Required Elements of the Industrial and High-Risk Runoff Program (Permit Section III.B.2.e.ii)**

See table 5-1 section E.1, “Industrial and High-Risk Runoff”.

**Priorities and Procedures for Inspecting and for Establishing and Implementing Controls for Facilities that Contribute a Substantial Pollutant Load to the MS4 (Permit Section III.B.2.e.ii.A)**

See table 5-1 section E.1, “Priority and Procedures for Inspections and Implementing Control Measures”.

The City addresses industrial facility stormwater discharges to the MS4 that may pose a threat to water quality through a comprehensive industrial program that includes regular screening, monitoring and inspections. Industrial and high-risk facilities within the City limits are regularly inspected, and follow-up inspections are performed as required to enforce stormwater permit compliance.

The inspection verifies that the structural and non-structural control measures as outlined in the Storm Water Pollution Prevention Plan (SWPPP) for the site are reflected on the site and functioning as intended to prevent pollution from the site.

The City inspects industrial and high-risk facilities according to the priorities listed in Table 5-2.

Table 5-2 Priorities for Industrial Facility Inspection	
Facility Risk Type	Minimum Inspection Frequency
Superfund Amendment and Reauthorization Act (SARA) 313 facilities	Annual
City permitted landfills, transfer stations and other Treatment, Storage and Disposal (TSD) facilities	Annual
Other City facilities with TPDES MSGP permits	Annual
High Risk Sites	Annual
All other MSGP permitted sites	Every two years
Sites receiving a Notice-of-Violation (NOV), Citation or Outside Complaint (OC)	As needed until the issue is resolved <sup>1</sup>
Sites required to have an Industrial Corrective Action (ICA)	As needed until the issue is resolved <sup>1</sup>
Sites with No Exposure Certification (NEC)	Once per permit term.
<p><b>Note 1:</b> The City guideline is to reinspect NOV/OC facilities every 30 days until the issue is resolved. Similarly, the City guideline is to reinspect ICA facilities every 90 days until the issue is resolved. <b>The City guideline is not a strict requirement.</b> Actual reinspect frequency will depend on the severity of the issue. For example, for a paperwork issue requiring an ICA, there may be no reinspection as the issue could be resolved through email. A</p>	

Table 5-2 Priorities for Industrial Facility Inspection	
Facility Risk Type	Minimum Inspection Frequency
highly-polluted illicit discharge from an industrial facility would require immediate action by the permittee and daily follow up by the City. <i>The City will track the resolution of NOV, OC, and ICA (see table E-1 below).</i>	

OEQS-SWM, the division that administers the inspection program, participates in the City ISO14001 environmental management system program. Accordingly, OEQS-SWM follows written procedures for the processes of the program, including periodic review and revision as needed.

Procedures for implementing control measures at facilities subject to inspection include periodic inspection, requiring Corrective Actions when deficiencies are discovered, issuing Notices-of-Violations and appropriate follow-up inspections where more serious deficiencies are found, issuing Citations or Outside complaints and immediate correction and reinspection for egregious issues, and referral to the other City agencies such as the Community Prosecution section of the City Attorney’s Office for the most chronic egregious violations.

**Industrial and High-Risk Monitoring Program (Permit Section III.B.2.e.ii.B and Permit Section III.B.2.h.iii.)**

*See table 5-1 section, “E.2 Industrial and High-Risk Monitoring Program”.*

The City’s Industrial and High-Risk Monitoring Program includes inspecting facilities according to the procedures and priorities described in the preceding paragraphs, applicable best management practices/targeted controls from MCM 1 “MS4 Maintenance Activities”, MCM 4 “Illicit Discharge Detection Elimination”, and MCM 8 “Monitoring, Evaluating, and Reporting”, and the collection of qualitative data associated with the monitoring programs required of MSGP-regulated facilities. Generally, the City does not collect its own data on MSGP facilities, but instead reviews the data collected by those facilities during routine inspections. As allowed by the MS4 permit, the City simply verifies monitoring for facilities determined to be in compliant with the MSGP. For noncompliant MSGP facilities (those receiving ICA, NOV, or OC), the City tracks and verifies that the facility has responded to exceedances in monitoring appropriately per the MSGP and requires the facility to submit their monitoring data to the City.

Table 5-3 Industrial and High-Risk Facility Program, PY 5 Resolution of PY 4 NOV and OC		
Facility ID	Resolution	Resolution Date
492	Sectors with Benchmark sampling: Last sampled on 5-5-22. Results for Aluminum, Iron, Lead and TSS were very high indicating a failure in BMP. 8-22-22 also had exceedances that were much lower. The permit calls for benchmark investigation when a limit is exceeded.	TBD

**Table 5-3**

**Industrial and High-Risk Facility Program, PY 5 Resolution of PY 4 NOV and OC**

Facility ID	Resolution	Resolution Date
	Part IV Section A.3. for benchmark investigations. This is a documented meeting of the Pollution Prevention Team to discuss possible causes and improvements which can be made to reduce the values for the next sampling. NOVs issued for 5 checklist items.	
1834	June 2022 re-inspect Facility has not corrected issues identified in PY 2	TBD
2509	Submit copies of water quality sampling results for 2023 and 2024 as soon as they are available. Missing all 2023 and current 2024 from file.	TBD
2633	Facility must apply for permit as of Jul 2023	TBD
5337	<ul style="list-style-type: none"> <li>-Benchmark exceedance investigation is needed for last sampling. Permit condition requires investigation and documentation of findings. Submit copy.</li> <li>-Quarterly visual monitoring form is needed for 2nd quarter.</li> <li>-Sampling is due for facility: Benchmark and Annual.</li> <li>-May need to contact Westward about the two outfalls which are not listed as substantially similar outfalls and mentions individual sampling in SWPPP. Outfall #2 needs to be sampled as SWPPP reads.</li> </ul>	TBD
5507	2 items remain non-compliant as of Jul 2023	TBD
7366	3 non-compliant items as of Jan 2024.	TBD
9046	4 items found non-compliant as of Mar 2023	TBD
11436	<ul style="list-style-type: none"> <li>-Copy of Record (application) is missing from SWPPP.</li> <li>-Rain gauge logs as supporting documentation for missing samples. Submit last 3 months</li> <li>-Sampling is overdue for benchmark and annual metals.</li> <li>-Non-Stormwater Discharge Assessment and Certification for 2021-2026 could not be located.</li> <li>-STEERS Delegation of Signatories is needed for anyone signing documents other than Alejandro Espinoza. List position titles of signers. Alejandro Espinoza does not have to be listed since he is the owner. 2 non-compliant items as of Sep 2024.</li> </ul>	TBD

Table 5-3 Industrial and High-Risk Facility Program, PY 5 Resolution of PY 4 NOV and OC		
Facility ID	Resolution	Resolution Date
12393	Facility has addressed all previously identified items as of Jul 2023.	TBD
12419	1 non-compliant item as of Jul 2024	TBD
1700	Referred to City attorney Jul 2024 for no permit and improper SPCC.	TBD

Table 5-4 Summary Report on Benchmark Data, PY 5	
Inspected Facilities Required to Submit Benchmark Data	351
Number of Inspected Facilities where City could verify Benchmark Data	351
Number of Facilities with Major or Minor Exceedances	4
Number of Facilities Required to Implement an Action Plan	4

Table 5-5 Annual List of Facilities with Benchmark Exceedances and Action Taken		
Facility ID	Date of City Inspection	Summary of Inspector's Conclusion
2400	10/25/2023	The facility is generally compliant with the MSGP at time of inspection.
2700	8/29/2024	Facility is generally compliant with MSGP at time of inspection.
2410	10/25/2023	The facility is generally compliant with the MSGP at time of inspection.

Table 5-5 Annual List of Facilities with Benchmark Exceedances and Action Taken		
Facility ID	Date of City Inspection	Summary of Inspector's Conclusion
1694	7/18/2024	The facility is generally compliant with the MSGP at time of inspection.

**Regulatory Mechanism, Enforcement and Administrative Control of Stormwater Discharges associated with Industrial Activity (Permit Section III.B.2.e.ii.C)**

*See table 5-1 section E-1, "Industrial and High-Risk Runoff".*

The City uses a combination of ordinances, permits, and contracts, orders to control the contribution of pollutants to the municipal storm sewer system by stormwater discharges associated with industrial activity. Industrial facilities found to be discharging to the MS4 are ordered to clean up the discharge; where the facility does not have the means to immediately address a discharge, the City maintains an incident and emergency response environmental cleanup contract. Legal authority for enforcement and administrative control comes from Dallas City Code Article IX, "Stormwater Drainage System". Prohibitions on illicit discharges are in section 19-118.2, pesticides and fertilizers are regulated in section 19-118.3, used oil is regulated in 19-118.4, discharge prevention is covered in 19-118.5, and the MSGP is integrated into Dallas City Code at section 19-118.7. Additional administrative control and enforcement on industrial activity comes from the requirements of the Dallas Development Code and the administration of the Building Code. These codes are described in more detail in MCM 2 "Post-Construction Stormwater Control Measures."

Prosecution of stormwater offenses is handled by the City Attorney's Office. The Dallas Marshal's Office serves warrants and leads facility entry when there are adversarial relationships at industrial facilities.



**Table 5-1**

**MCM 5: Industrial and High-Risk Runoff**

Best Management Practice/Targeted Control	Measurable Goal	Implementation Schedule	Implementation Status for Reporting Period (October 1, 2023 - September 30, 2024)
<b>E.1 Priority and Procedures for Inspections and Implementing Control Measures</b>			
Review the City definition of “High Risk” and update, if needed	If the definition needs revised, update the list of High-Risk facilities to include newly identified locations and inspect those facilities	PY2	No revision needed
Revise Industrial and High-Risk Inspection procedure	Approved and implemented revised procedure	PY4	Procedure complete
Periodically compare the TCEQ records of MSGP facilities to the City facilities list	12 TCEQ “Water Quality General Permits Search” Reports	PY2-PY5	12 reports
	12 facilities added to the City inspection program	PY2-PY5	Between all applicable activities in E.1 and E.2, added 58 new facilities to the inspection program
Periodically review City Certificates of Occupancy Reports for facilities potentially subject to MSGP that may not be permitted	4 CO reports	PY2-PY5	4 CO reports

**Table 5-1**

**MCM 5: Industrial and High-Risk Runoff**

Best Management Practice/Targeted Control	Measurable Goal	Implementation Schedule	Implementation Status for Reporting Period (October 1, 2023 - September 30, 2024)
	10 new facilities added to the industrial inspection program	PY2 – PY5	Between all applicable activities in E.1 and E.2, added 58 new facilities to the inspection program
<b>E.2. Industrial and High-Risk Monitoring Program</b>			
Inspect all Superfund Amendment and Reauthorization Act (SARA) 313 facilities known to the City	100% of SARA-313 facilities known to the City inspected per year	PY1 –PY5	100% inspected
Inspect 500 permitted industrial facilities known to the City	500 full facility inspections at MSGP facilities per year	PY1 –PY5	525
Inspect permitted municipal landfills and Treatment, Storage and Disposal (TSD) facilities	Inspect the City-owned landfill every permit year	PY1 –PY5	Landfill inspected
Inspect all City-operated MSGP facilities	100% City facilities authorized under the MSGP each year	PY1 –PY5	100% of City MSGP facilities inspected
Track resolution of OC and NOV	Annual report on OC, NOV and ICA resolution	PY1 –PY5	See Table 5-3
Continue Screening Program	See “Annual Measurable Goals” in E.1 above		

**Table 5-1**

**MCM 5: Industrial and High-Risk Runoff**

Best Management Practice/Targeted Control	Measurable Goal	Implementation Schedule	Implementation Status for Reporting Period (October 1, 2023 - September 30, 2024)
Track the number of new permits issued as a result of screening activities	Between all applicable activities in E.1 and E.2, add 25 new facilities to the inspection program	PY2 –PY5	Between all applicable activities in E.1 and E.2, add 58 new facilities to the inspection program
Collect quantitative pollutant data on industrial facilities from facilities that received ICA, NOV, or OC	Annual report on collected data by facility and sector	PY1 –PY5	See Table 5-4
	Increase the % of Facilities where City could verify benchmark data was submitted by 5% over previous PY percentage	PY2-PY5	Benchmark data submittal verified at 100% of inspected facilities required to submit benchmarks.
Verify that facilities with benchmark violations have responded as required by the MSGP	Annual list of facilities with benchmark exceedances and action taken	PY1 –PY5	See Table 5-5
Track the number of facilities required to submit monitoring data by facility and report type required	For 80% of inspected facilities, successfully verify that DMR was submitted or that valid exemption applies	PY2 –PY5	TCEQ issued an episodic waiver from electronic reporting in NetDMR. CY22 monitoring results must be submitted by March 31, 2023.
Monitoring for pollutants in stormwater discharges to the MS4 from industrial or commercial facilities	See MCM 8, “Monitoring, Evaluating, and Reporting”		
	See MCM 3, “Illicit Discharge Detection and Elimination”		
Storm Event Discharge Monitoring	See MCM 8, “Monitoring, Evaluating, and Reporting”		
Floatables Monitoring	See MCM 1, “MS4 Maintenance Activities”		

**Table 5-1**

**MCM 5: Industrial and High-Risk Runoff**

Best Management Practice/Targeted Control	Measurable Goal	Implementation Schedule	Implementation Status for Reporting Period (October 1, 2023 - September 30, 2024)
Review Dallas City Code Ch. 19-118.7 "Stormwater Discharges Associated with Industrial Activity" to ensure it is consistent with the current MSGP	Documented review comparing City code with the TCEQ's 2021 MSGP	PY4	City code has been verified with MSGP
Track Industrial Facility enforcement	See BMP "Track resolution of OC, NOV and ICA" above		
	Annual report from Stormwater prosecutor on resolution of Outside Complaints	PY1 –PY5	See summary of enforcement on page 5-2
Track service requests and subsequent mitigation and enforcement associated with industrial and commercial facilities	Annual report on service requests and associated mitigation and enforcement	PY1 –PY5	See MCM 3 "Illicit Discharge Detection and Elimination"
Administrative Control of Industrial Activity	See MCM 2, "Post-Construction stormwater Control Measures"		
Administrative Control of the Industrial Facility inspection program	See BMPs/Targeted Controls listed above in this table		

***MCM 6-  
Construction Site  
Stormwater Runoff***

## MCM 6: CONSTRUCTION SITE STORMWATER RUNOFF

To control the quality of stormwater discharged from the MS4 that reach the waters of the US, the City has maintained, over several permit terms, a comprehensive construction site stormwater runoff program. The program includes City code providing legal authority and enforcement for this program, City code requiring that the TPDES construction general permit be met, priorities and procedures for inspecting construction sites, education and training for construction site personnel, processes for site plan review that consider water quality impacts of construction, methods for intake and consideration of public comments on construction, and a method to maintain a current list of active construction sites. The City inspects all known active construction sites that are one acre or more in size or part of a common plan of development one or more acre in size, reports those inspection results to the operator and requires site operator to make corrections to attain compliance. Sites less than an acre can be inspected if there is a public complaint.

The activities in this MCM overlap with MCM 7 “Public Education, Outreach, Involvement and Participation”.

Table 6 -1 “MCM 6 – Construction Site Stormwater Runoff” (below, at the end of this chapter) details the specific Targeted Controls and Best Management Practices established and maintained to achieve progress towards the objectives of MCM 6 and the SWMP.

**Status of Implementing the SWMP:** All measures proposed in the SWMP for PY5 are fully implemented per the compliance schedule and are functioning as intended to prevent the discharge of pollutants to the MS4 to the maximum extent practicable (MEP).

A description of program activities related Construction Site Stormwater Runoff follows. Table 6-1 at the end of this section provides a summary of activities completed during the reporting period.

**Proposed Changes to the SWMP for the next Reporting Year:** Aside from updating the implementation schedule for the Measurable Goal above, no proposed changes for the next Reporting Year.

**Number and Nature of Enforcement Activities:** Across 143 noncompliant TPDES CGP sites, 551 inspections resulted in the issuance of at least one Notice of Violation. 197 inspections resulted in a referral to the City stormwater attorney for enforcement. 429 citations were issued to TPDES CGP site operators.

### **Inspection Program to Reduce the Discharge of Pollutant to the MS4 from Construction Sites (Permit Section III.B.2.f.i)**

*See table 6-1 section F.2, “Inspection of Construction Sites and Enforcement Requirements”.*

Dallas City Code Article IX, “Stormwater Drainage System” provide the legal authority and regulatory mechanism for the City’s construction site stormwater compliance inspection program. Key sections for the construction program include section 19-118.1 “Enforcement”, section 19-118.2 “Prohibited Discharges”, and Section 19-118.6 “Stormwater Discharges form Construction Activities.” Through these

and other provisions, the TPDES construction general permit (CGP) stormwater management erosion and sediment control requirements have been integrated into City code. The TPDES CGP will be reissued in 2023; the City will track the CGP renewal process and revise City code Article IX as needed.

All sites known to the City that disturb one or more acres of land area or are part of a common plan of development disturbing one or more acres of land are included in the City’s construction site stormwater compliance inspection program. Sites less than an acre are also included in the program if the City receives complaints. Sites are according to the following priorities:

Table 6-2 Priorities for Construction Site Inspection	
Active Site Disturbed Area	Minimum Inspection Frequency <sup>1</sup>
5 acres or more	Every 14 days
Common plan of development 5 acres or more	Every 14 days
Disturbed Area located in “escarpment zone” or in “geologically similar areas” as those terms are defined at Section 51A-5.201 of the Dallas City Code.	Every 14 days
One or more acre but less than 5 acres	Every 30 days
Common plan of development one or more acre but less than 5 acres	Every 30 days
Any size disturbed area (including less than one acre) upon receipt of a complaint	Within 4 days

The inspection frequency can be increased for site that have received a Notice-of-Violation or Outside Complaint.

Fines and other penalties are assessed by the municipal court after processing and prosecution by the Municipal Prosecution section of the City Attorney’s Office. Chronic violators may also be referred to the Community Prosecution section of the City Attorney’s Office for civil action. Stop Work Orders are obtained through requests to the City Building Official.

**Requirements of the Construction Site Stormwater Runoff Program (Permit Sections III.B.2.f.ii and III.B.2.f.iv)**

*See table 6-1 section F.4, “Notification of Requirements to Construction Site Operators”.*

As discuss above, Article IX of Dallas City Code includes all the requirements of the TPDES CGP. Table 6-2 below provides more information on how the City meets the required elements of this MCM:

Table 6-3 Location of MCM requirements in Dallas City Code Article IX, “Stormwater Drainage System”	
MCM Requirement	Dallas City Code Reference
Construction site operators must use and maintain appropriate erosion and sediment control BMPs to reduce pollutants discharged to the MS4 from	Section 118.6(a)

Table 6-3 Location of MCM requirements in Dallas City Code Article IX, "Stormwater Drainage System"	
MCM Requirement	Dallas City Code Reference
construction sites	
Construction site operators must control site waste, such as discarded building materials, concrete truck washout water, chemicals, litter, and sanitary waste	Section 19-118.6(b)(4),(b)(5), and (b)(6)
Construction site operators must inspect their construction sites	Section 19-118.6(b)(13)(d)
The City has the right to inspect dischargers	Section 19-118.8
Enforcement of control measure requirements	Section 19-118.1 and 19-118.6(f), 6(g), and 6(h)

As discussed above the City has a construction site stormwater compliance inspection program that inspects active sites according to the priorities in Table 6-1. The Stormwater Management division of the Office of Environmental Quality and Sustainability maintains staffing of trained environmental specialists to regularly inspect according to that schedule.

Education and training of site operators is handled by Stormwater’s Compliance Education team. This team hosts construction compliance workshops and provides on-site tailgate training and consultations. Additional outreach on construction is provided by the Community Engagement team of the Office of Environmental Quality and Sustainability. See MCM 7 “Public Education, Outreach, Involvement, and Participation” for more information including BMPS/Targeted Controls.

*See table 6-1 section F.3, “Education and Training for Construction Site Operators”.*

Notification to site operators of their potential responsibilities occurs through one of four processes. Operators who are seeking more information on construction stormwater management are notified of their TPDES responsibilities on the applicable Stormwater Management web page.

*See table 6-1 section F.4, “Notification of Requirement to Construction Site Operators”.*



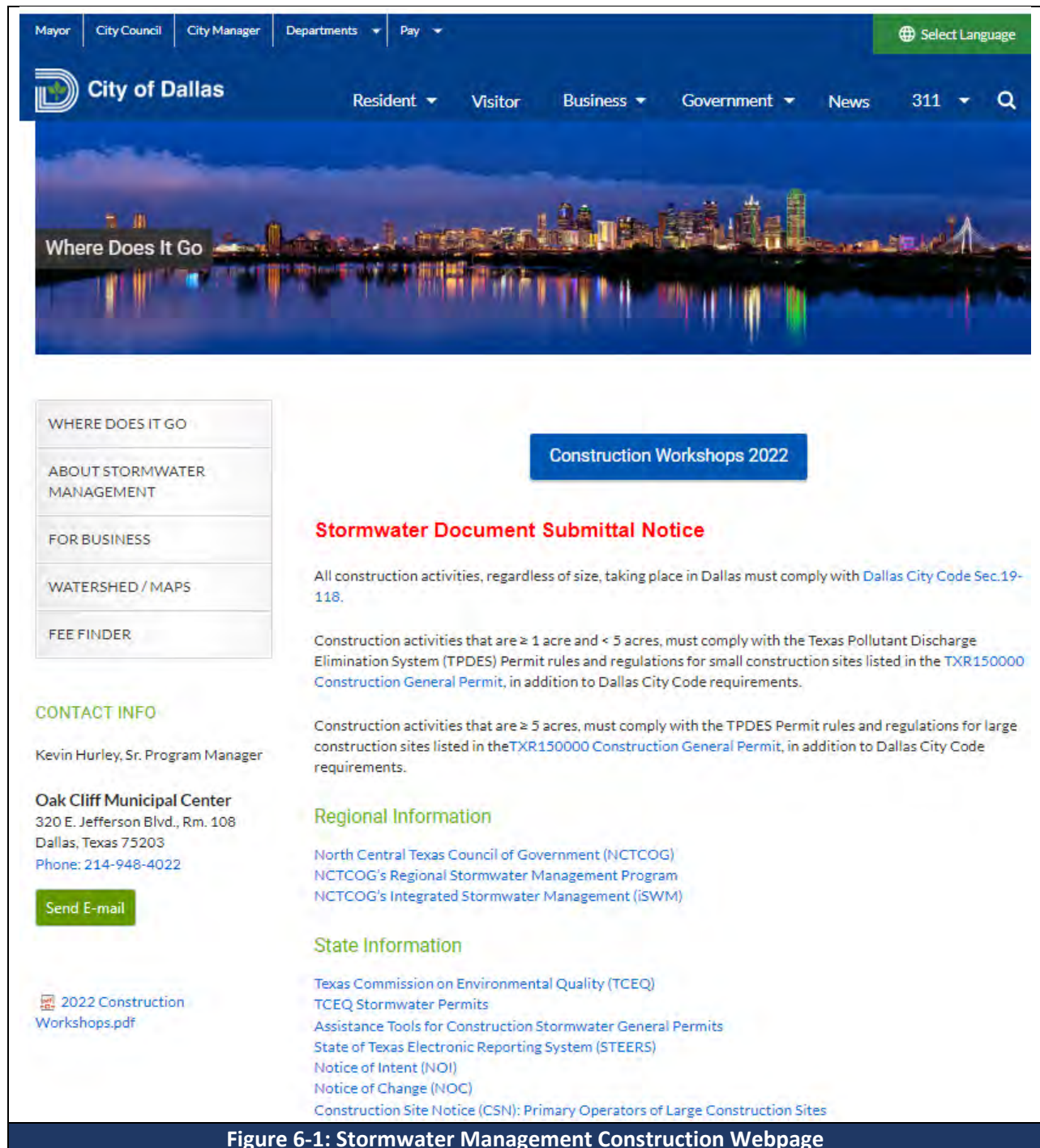


Figure 6-1: Stormwater Management Construction Webpage

For development reviewed by Development Services Department’s (DEV) Engineering division, the developer requesting plan review and approval receives a plan submittal checklist that informs them to prepare an erosion control plan that must “comply with all current rules and regulations of EPA, TCEQ and other applicable federal and state agencies.” For building permits processed by DEV’s Building Inspection divisions, the permit applicant receives an application checklist that informs the applicant

that if they are disturbing one or more acres of land, they are required to submit a Stormwater Pollution Prevention Plan (SWPPP) to Stormwater Management. Finally, when sites are found-in-field by City environmental specialists, the site operator will receive a written report requiring the operator to obtain CGP coverage and send notice of that coverage to Stormwater Management.

Site plan review occurs as part of the same SDC processes. For commercial buildings, the developer must submit detailed drawings showing erosion control BMPs. For larger development, the developer must submit, in addition to the erosion control plan, drainage area maps, grading plans, storm drain plans with drainage easements, et cetera. No construction is permitted until the respective plans review process is completed. Additional site plan reviews occur as the Stormwater inspector conducts the SWPPP site plan review and compares it to actual site conditions. The inspector will require BMPs to be fixed or additional BMPs installed to prevent water quality impacts. The construction inspection process also provides for enforcing control measures recorded in the SWPPP. The BMPs presented in the SWPPP are required to consider the nature of the construction activity, topography, the characteristics of the soil, and receiving water quality. By checking conditions on site and documenting and communicating noncompliance with the SWPPP and CGP, stormwater inspectors therefore are driving the site operator to use BMPs appropriate to the activity, topography, soil type, and receiving water.

Public input on construction sites may occur during Planning and Zoning meetings or council briefings. In addition, the City maintains a customer service request management system using the Salesforce application that provides internet and telephone opportunities for the public to report construction site issues. The contact phone number is simple and easy to remember – “3-1-1.”

**List of Sites (Permit Section III.B.2.f.iii)**

*See table 6-1 section, “F.5 List of Construction Sites” and Appendix A “Active CGP Sites”*

Every site inspected as part of the City’s construction site stormwater compliance inspection program is entered into a database. The site records include site name, site location, operators’ names, permit number, among other records. By querying the database, a list of sites can be generated at any time. The City will continue to report the list of sites as an Appendix to the system-wide annual report.

**Table 6-1**

**MCM 6: Construction Site Stormwater Runoff**

Best Management Practice/Targeted Control	Measurable Goal	Implementation Schedule	Implementation Status for Reporting Period (October 1, 2023-September 30, 2024)
<b>F.1 Requirements for Structural and Non-structural BMPs</b>			
Ensure that all NOI sites in Dallas are in the inspection program	12 CGP NOI Central Registry Reports	PY2-PY5	12 reports
	For sites that fail to send the NOI to the City as required, add 100% of the sites on the monthly NOI reports are in the inspection program	PY2-PY5	100%
Ensure that sites 1 or more acre in size but less than 5 acres in size are in the inspection program	Develop procedure for working with City of Dallas Building Inspections to identify sites that disturb one acre or more that may not be in the inspection program	PY2	Procedure developed
	Complete 4 Building Inspection reviews for the purpose of identifying sites that disturb one acre or more that may not be in the inspection program	PY3-PY5	4 reviews completed
<b>F.2. Inspection of Construction Sites and Enforcement Requirements</b>			
Inspect Large Construction Sites, including sites that disturb five (5) acres or more of total land area, or are in the “escarpment zone” or in “geologically similar areas” as those terms are defined at Section 51A-5.201 of the Dallas City Code, or are part of a larger common plan of development or sale that disturbs five acres or more.	Complete 100% of required large site inspection in accordance with the schedule in Table 6-2	PY2-PY5	100% completed on schedule

**Table 6-1**

**MCM 6: Construction Site Stormwater Runoff**

Best Management Practice/Targeted Control	Measurable Goal	Implementation Schedule	Implementation Status for Reporting Period (October 1, 2023-September 30, 2024)
Inspect Small Construction sites, including sites that disturb one or more but less than five acres or are part of a common plan of development that disturbs one or more but less than five acres	Complete 90% of small site inspections in accordance with schedule in table 6-2	PY2-PY5	94.9 % completed on schedule
Respond to construction site complaints by inspecting the site subject to the complaint within four days of receipt of the complaint.	Complete 100% of complaint driven inspections within 4 days of the receipt of the complaint	PY2-PY5	100% completed within 4 days of receipt
Ensure that Article IX of Dallas City Code stays up-to-date with the current TPDES Construction general permit	Documented review of City Code as information from the 2023 CGP review process becomes known.	PY3-PY5	City Code has reviewed no changes needed
<b>F.3. Education and Training for Construction Site Operators</b>			
Educate construction site personnel through workshops, tailgates, and consultations	See MCM 7, "Public Education, Outreach, Involvement, and Participation"		
<b>F.4. Notification of Requirement to Construction Site Operators</b>			
Review DEV-BI building permit application process and checklists to verify the communication of TPDES stormwater obligations	Documented review and communication to DEV of request for changes, if any.	PY1-PY5	No changes requested
Review DEV - Paving/Drainage Engineering plan review submittal checklist to verify the communication of TPDES stormwater requirements	Documented review and communication to DEV of request for changes, if any.	PY1-PY5	No changes requested
<b>F.5. List of Construction Sites</b>			
Maintain a list of active construction sites that are	# of new sites added	PY1 - PY5	113

**Table 6-1**

**MCM 6: Construction Site Stormwater Runoff**

<b>Best Management Practice/Targeted Control</b>	<b>Measurable Goal</b>	<b>Implementation Schedule</b>	<b>Implementation Status for Reporting Period (October 1, 2023-September 30, 2024)</b>
inspected for compliance	# of sites terminated		113

***MCM 7-  
Public  
Education,  
Outreach,  
Involvement and  
Participation***

## **MCM 7: PUBLIC EDUCATION, OUTREACH, INVOLVEMENT, AND PARTICIPATION**

As part of the City’s efforts to control the quality of stormwater discharged from the MS4 that reach the waters of the U.S., the City has maintained, over several permit terms, a comprehensive public education, outreach, involvement, and participation program. This MCM includes program to educate target audiences on stormwater management subjects, training for City employees, an outreach program aimed to raise general awareness, and mechanisms for public involvement and participation.

The activities in this MCM overlap with other MCMs, including MCM 2 “Post-Construction Stormwater Control Measures”, MCM 3 “Illicit Discharge Detection and Elimination”, MCM4 “Pollution Prevention and Good Housekeeping for Municipal Operations”, MCM 5 “Industrial and High-Risk Runoff”, MCM 6 “Construction Ste Stormwater Runoff”, and MCM 8 “Monitoring, Evaluating, and Reporting”.

Table 7 -1 “MCM 7 – Public Education, Outreach, Involvement and Participation” (below, at the end of this chapter) details the specific Targeted Controls and Best Management Practices established and maintained to achieve progress towards the objectives of MCM 7 and the SWMP.

**Status of Implementing the SWMP:** All measures proposed in the SWMP for PY3 are fully implemented per the compliance schedule and are functioning as intended to prevent the discharge of pollutants to the MS4 to the maximum extent practicable (MEP). A description of program activities related to Public Education, Outreach, Involvement, and Participation follows. Table 7-1 at the end of this section provides a summary of activities completed during the reporting period.

**Proposed Changes to the SWMP for the next Reporting Year:** None.

**Number and Nature of Enforcement Activities:** Not applicable.

### **Annual Evaluation of Effectiveness of MCM 7 (Permit Section IV.C.2.g)**

*See table 7-1 section G.3,” Evaluation of Effectiveness”.*

As required by the SWMP annual report, each year the City evaluates the effectiveness of this MCM and adjusts the program and activities as needed.

### **Public Education and Outreach (Permit Section III.B.2.g.i)**

*See table 7-1 section G.1,” Public Education and Outreach”.*

The City’s education program that communicated required messages to targeted audiences, volunteer activities, publications, City employee education, and construction and industrial operator workshops, among other activities.



Figure 7-1 Public Education: What's in a Watershed

**Required Programs (Permit Sections III.B.2.g.i.B, III.B.2.c.i.E, III.B.2.c.i.F, III.B.2.c.ix.A, III.B.2.d.i.C, III.B.2.d.ii, III.B.2.f.ii.D, III.B.2.f.ii.G, II.C.2.a.v, and II.C.2.b.ii)**

*See table 7-1 section G.1, "Public Education and Outreach".*

Targeting City residents, the City provides education/outreach on:

1. Public Reporting of Improper Disposal of Materials, Including Floatables, and Illicit Discharges or Water Quality Impacts Associated with Discharges from the MS4 ("Public Reporting on IDDE")
2. Public Input and Reporting on Construction Sites ("Public Reporting on Construction")
3. Proper Management and Disposal of Used Oil, Household Hazardous Waste, Used Motor Vehicle Fluids, and Toxic Materials ("Management of HHW and UOTM")
4. Proper Use, Application, and Disposal of Pesticides, Herbicides, and Fertilizers by Public, Commercial, and Private Applicators and Distributors ("Management of PHF")
5. Proper disposal of Pet Waste ("Pet Waste")
6. Direct Discharges of Bacteria and Runoff Discharges of Bacteria ("Bacteria Discharges")
7. Fats, oils, and grease clogging sanitary sewer lines and resulting overflows ("FOG/SSO")
8. Maintenance and operation of decorative ponds ("O & M of Ponds")





Figure 7-2 Digital Billboard at Dallas Love Field

For commercial and industrial facilities that have a relatively higher risk to the MS4, the City also provides:

1. Commercial Stormwater Pollution Prevention (“Commercial SWP2”)
2. Industrial Multi-Sector General Permit requirements and General Stormwater Pollution Prevention (“Industrial MSGP and P2”)

For City staff, this program provides education on:

- Preventing and Reducing Stormwater Pollution from Municipal Operations, including Waste Management (“City Stormwater P2”)
- Proper Management and Disposal of Used Oil, Household Hazardous Waste, Used Motor Vehicle Fluids, and Toxic Materials (“Management of HHW and UOTM”)
- Proper Management and Disposal of Used Oil, Household Hazardous Waste, Used Motor Vehicle Fluids, and Toxic Materials.
- Proper Stormwater Management at Construction Sites

For construction site personnel, this program provides education on Proper Stormwater Management at Construction Sites. (“CGP SWP2”).

#### **Promoting and Publicizing (Permit Section III.B.2.g.1.B)**

*See table 7-1 section G.1, “Public Education and Outreach”.*

The City promotes and publicizes the required programs through a comprehensive approach including, among other activities:

- Manning booths at community events,
- Maintaining an advertising program,
- Maintaining a web presence through “GreenDallas.net”, “Wheredoesitgo.com”, and “Dallascityhall.com”,
- Maintaining a social media presence on all Green Dallas Facebook, Instagram and Twitter accounts,
- Maintaining kiosks at public libraries, key businesses, and other locations and facilities that are stocked with outreach brochures,
- Periodically sending out water bill inserts on stormwater messages,

- Maintaining a virtual education and outreach program,
- Maintain corporate partnerships and programs to deliver monthly programs on key stormwater topics to businesses,
- Participating in regional efforts such as the NCTCOG Stormwater Public Education Task Force and other associated committees and campaigns.

<b>Table 7-2 Education and Outreach Events by Topic</b>	
<b>Topic</b>	<b>Number Of Events</b>
Pesticides, Herbicides, and Fertilizers	8
Used Oil and Toxic Materials	7
Pet Waste	21
Yard Waste	14
Litter and Floatables	8
Illicit Discharges	11
General Pollution Prevention	13
Fats, Oils, and Grease	90
Environmental Stewardship	46
Permit Compliance	11
Construction Stormwater	218

**Public Involvement and Participation (Permit Section III.B.2.g.ii)**

*See table 7-1 section G.2, “Public Involvement and Participation”.*

The City maintains ample opportunities for the public to be involved and participate. As mentioned above, classes are provided to the public. Also, the program includes maintaining feedback hyperlinks on webpages and easy-to-use phone numbers such as “311” for service requests and “214-948-4022” for specific stormwater questions. The City promotes the Texas Stream Team, a citizen-scientist program supported by the TCEQ that gets volunteers out into their watersheds to measure and observe water quality. The City holds volunteer storm drain marking events and promotes the Dallas County Household Hazardous Waste Collection Center. Finally, the City promotes and participates in local and regional litter abatement events.

The screenshot displays the City of Dallas website interface. At the top, there is a navigation bar with links for Mayor, City Council, City Manager, Departments, and Pay. A 'Select Language' button is also present. Below the navigation bar is a header with 'City of Dallas' and a search bar. The main content area features a large banner image of the Dallas skyline at night with the text 'Where Does It Go'. On the left side, there is a sidebar menu with links: 'WHERE DOES IT GO', 'ABOUT STORMWATER MANAGEMENT', 'FOR BUSINESS', 'WATERSHED / MAPS', and 'FEE FINDER'. Below the sidebar is 'CONTACT INFO' for Sherrie Rios, Interim Superintendant, with the address 'Oak Cliff Municipal Center, 320 E. Jefferson Blvd., Rm. 108, Dallas, Texas 75203' and phone number '214-948-4022'. A 'Send E-mail' button is also visible. The main content area is titled 'Stormwater Document Submittal Notice' and contains a notice about stormwater construction permits. Below the notice are three sections: 'Volunteer Opportunities', 'Construction', and 'Stormwater'. Each section includes a brief description and a 'Learn More' or 'Current Storm Water Rates' link. A chatbot window is visible on the right side of the page.

**City of Dallas**

Mayor City Council City Manager Departments Pay Select Language

Resident Visitor Business Government News 311 Q

Where Does It Go

WHERE DOES IT GO

ABOUT STORMWATER MANAGEMENT

FOR BUSINESS

WATERSHED / MAPS

FEE FINDER

**Stormwater Document Submittal Notice**

\*\*\*\*Important Information for ALL Stormwater Construction Permits\*\*\*\*

**Dallas' Stormwater Management Permit**

The City of Dallas is permitted by the State of Texas to discharge from the storm sewer system into local creeks, streams, lakes, and the Trinity River.

You can see what the City is doing to try to prevent pollution (the City Stormwater Management Program or "SWM") by viewing the annual report.

Questions/Comments?

Send to [sherrie.rios@dallas.gov](mailto:sherrie.rios@dallas.gov)

Keeping Stormwater clean is important. Help us protect it.

**Volunteer Opportunities**

Find out about Volunteer opportunities for individuals and groups!

[Learn More >](#)

**Construction**

[General Permit-TXR150000 >](#)

[STEERS >](#)

**Stormwater**

Stormwater originates from precipitation(rainfall) and snow/ice melt. Stormwater can soak into the soil, be held on the surface and evaporate, or runoff and end up in our nearby streams, lakes and rivers.

[Current Storm Water Rates >](#)

[COD Stormwater Permit >](#)

[SWM City Code of Ordinance >](#)

Hi, I am DalBot! How may I help you?

**CONTACT INFO**

Sherrie Rios, Interim Superintendant

**Oak Cliff Municipal Center**  
320 E. Jefferson Blvd., Rm. 108  
Dallas, Texas 75203  
Phone: 214-948-4022

[Send E-mail](#)

**Figure 7-3 Opportunities for Public Involvement - Website**

**Table 7-1**

**MCM 7: PUBLIC EDUCATION, OUTREACH, INVOLVEMENT, AND PARTICIPATION**

Best Management Practice/Targeted Control	Measurable Goal	Implementation Schedule	Implementation Status for Reporting Period (October 1, 2023-September 30, 2024)
<b>G.1.Public Education and Outreach</b>			
Develop educational materials for operation and maintenance of decorative ponds	PY2: 1 presentation delivered; 5 residents educated PY3: 3 presentations delivered; 15 residents educated PY4-PY5: 5 presentations delivered; 25 residents educated	PY2-PY5	5 presentations on decorative ponds to 131 people
Participate in Stormwater Public Education Task Force meetings at NCTCOG	Attend 50% of Stormwater Public Education Task Force meetings	PY1-PY5	100 % attended
Provide stormwater management education to adult residents. Track locations, attendees, and materials distributed	Provide: 1 general stormwater education class, 2 PHF classes, 1 HHW and UOTM class, 3 IDDE classes, 9 Pet waste classes, 6 yard waste classes, and 3 litter and floatable classes.	PY2-PY5	Gen: 24 PHF: 2 UOTM: 5 IDD: 3 Pet Waste: 15 Yard Waste: 8 Litter & Floatables: 4

Table 7-1

MCM 7: PUBLIC EDUCATION, OUTREACH, INVOLVEMENT, AND PARTICIPATION

Best Management Practice/Targeted Control	Measurable Goal	Implementation Schedule	Implementation Status for Reporting Period (October 1, 2023-September 30, 2024)
<p>Provide stormwater management education to businesses. Track locations, attendees, and materials distributed</p>	<p>Provide at least one presentation each year to businesses covering each of the topics below:</p> <ul style="list-style-type: none"> <li>• “Public Reporting on IDDE”</li> <li>• “Public Reporting on Construction”</li> <li>• “Management of HHW and UOTM”</li> <li>• “Management of PHF”</li> <li>• “Pet Waste”</li> <li>• “Bacteria Discharges”</li> <li>• “FOG/SSO”</li> <li>• “O &amp; M of Ponds”</li> </ul> <p><i>A single presentation may cover multiple topics.</i></p>	<p>PY1-PY5</p>	<p>IDDE:4            UOTM: 4            PHF: 4            Pet Waste: 4            Bacteria Discharges: 0            O&amp;M of Ponds: 5            Waterbirds: 0            Gen: 4            Litter/Floatables: 4</p>
<p>Provide stormwater management education to commercial and industrial facilities. Track locations, attendees, and materials distributed</p>	<p>Provide one presentation each year that covers:</p> <ul style="list-style-type: none"> <li>• “Public Reporting on IDDE”</li> <li>• “Public Reporting on Construction”</li> <li>• “Management of HHW and UOTM”</li> <li>• “Management of PHF”</li> <li>• “Pet Waste”</li> <li>• “Bacteria Discharges”</li> <li>• “FOG/SSO”</li> <li>• “Ponds”</li> <li>• “Commercial SWP2”</li> </ul> <p><i>Multiple topics can be covered in a single presentation.</i></p>	<p>PY1-PY5</p>	<p>8 Gen. Pollution            2 PHF            2 UOTM            3 IDDE            4 Pet Waste            3 Yard Waste            8 Litter/Floatable            Total of 276 people</p>

Table 7-1

MCM 7: PUBLIC EDUCATION, OUTREACH, INVOLVEMENT, AND PARTICIPATION

Best Management Practice/Targeted Control	Measurable Goal	Implementation Schedule	Implementation Status for Reporting Period (October 1, 2023-September 30, 2024)
Provide outreach to commercial applicators and distributors of PHF that operate within the corporate limits of Dallas	Provide one PHF class to a commercial audience	PY2-PY5	2 PHF Presentations. 26 people
Present general stormwater education to students. Track locations, attendees, and materials distributed	Provide 33 classes provided to trade school students	PY2-PY5	OEQS-CE K-12 – 79 Classes College/University – 5 Trade Schools – 2
	Provide 5 classes to college/university students		
	Provide 2 classes to trade school students		
Provide stormwater management education to visitors to the City of Dallas by stocking kiosks and exhibits at public locations frequented by visitors, including the State Fair of Texas, Dallas Love Field, Dallas Executive Airport, community centers, and libraries	93 restock visits to kiosks	PY2-PY5	97 restock visits
Provide stormwater management education to City employees. Track content, locations, and attendees	Provide two classes per year on each of these topics: <ul style="list-style-type: none"> <li>• “City Stormwater P2”</li> <li>• “Spill prevention and Response”</li> <li>• “Management of HHW and UOTM”</li> <li>• “Management of PHF”</li> <li>• “CGP SWP2”</li> </ul> Multiple topics can be covered by a single class	PY1-PY5	City Stormwater P2 – 2 Spill Prevention and Response – 2 HHW & UOTM – 22 PHF – 0 CGP SWP2 – 12
Educate new City of Dallas employees about stormwater pollution prevention practices	95% of new hires trained on stormwater management as part of new employee orientation	PY1-PY5	100% of new hires trained on stormwater

**Table 7-1**

**MCM 7: PUBLIC EDUCATION, OUTREACH, INVOLVEMENT, AND PARTICIPATION**

Best Management Practice/Targeted Control	Measurable Goal	Implementation Schedule	Implementation Status for Reporting Period (October 1, 2023-September 30, 2024)
Educate City of Dallas Stormwater Management employees on responding to hazardous materials incidents	100% of OEQS-SWM environmental specialists and on-call supervisors are trained each year	PY1-PY5	100% trained
Provide a Compliance Education construction site consultation to every new regulated construction site, including City sites	90% of new sites receive a consultation within 15 business days of SWM receipt of notification.	PY1-PY5	100%
Provide on-site compliance education tailgates to construction site operators, including City staff	100% of sites requesting a tailgate receive a tailgate within 10 business days.	PY1-PY5	100%
Present two (2) workshops to contractors, operators and construction site affiliated personnel, including City staff, on acceptable construction site SCMs, per year.	2 construction workshops (# of attendees are tracked)	PY1-PY5	6 workshops
Present two (2) workshops to industrial operators on TPDES stormwater permit requirements, per year.	2 industrial workshops (# of attendees are tracked)	PY1-PY5	5 workshops
Stormwater management advertising Campaign	Complete 85% of the media buys in the approved plan	PY1-PY5	89% Complete
Publish New Outreach Materials on Stormwater Pollution Prevention	One new or revised outreach publication each year	PY1-PY5	12 new or revised publications
Provide electronic announcements educating City of Dallas employees on stormwater management issues	2 Announcements each year.	PY1-PY5	11 announcements of Stormwater Pollution Prevention
	Track topic of announcement		

**Table 7-1**

**MCM 7: PUBLIC EDUCATION, OUTREACH, INVOLVEMENT, AND PARTICIPATION**

Best Management Practice/Targeted Control	Measurable Goal	Implementation Schedule	Implementation Status for Reporting Period (October 1, 2023-September 30, 2024)
Public Information Activities related to proper management of UOTM	1 Water Bill Mailer on proper management of UOTM	PY1-PY5	1 UOTM Mailers
Promote and publicize the proper disposal of yard waste through targeted “Leaf Blower Blitzes”	2 blitzes	PY2-PY5	2 Blitzes
Promote and Publicize Proper Disposal of Materials, including Floatables, through a City of Dallas Water Bill insert mailer	1 insert to all water bill accounts receiving paper bills	PY1-PY5	1 insert
Promote and Publicize the Proper Management of Pet Waste through City of Dallas Water Bill insert mailer	1 insert to all water bill accounts receiving paper bills	PY1-PY5	1 insert
Promote and publicize the public reporting of illicit discharges through City of Dallas Water Bill insert mailer	1 insert to all water bill accounts receiving paper bills	PY1-PY5	1 insert
Provide Stormwater Program Information to Target Audiences at the State Fair of Texas	350,000 impression/interactions	PY2-PY5	384,761
<b>G.2. Public Involvement and Participation</b>			
Maintain a hyperlink on a webpage for direct public feedback to OEQS-SWM	Document hyperlink	PY1 - PY5	<a href="http://wheredoesitgo.com">wheredoesitgo.com</a>
	# of comments received		0 comment received
Maintain at least one Stormwater-focused webpage	Document webpage	PY1 - PY5	<a href="http://wheredoesitgo.com">wheredoesitgo.com</a>
Participate in local and regional litter abatement programs	2 events	PY2-PY5	8 events



**Table 7-1**

**MCM 7: PUBLIC EDUCATION, OUTREACH, INVOLVEMENT, AND PARTICIPATION**

Best Management Practice/Targeted Control	Measurable Goal	Implementation Schedule	Implementation Status for Reporting Period (October 1, 2023-September 30, 2024)
Provide stormwater permit and management information at community events	9 events	PY2-PY5	57 events
Encourage participation in the Texas Stream Team (TST) volunteer water quality monitoring program within the city limits of Dallas	2 Texas Stream Team Classes	PY2-PY5	5 classes
	30 TST sites monitored by City of Dallas residents	PY2-PY5	120 Locations monitored
Encourage participation in the storm drain marking program	2 marking events	PY2 -PY5	16 Events
	15 volunteers in total participate in events		72 Volunteers
	40 storm drains marked		373 drains marked
Ensure the public knows how to report stormwater concerns to the City	See BMPs above in “Public Education and Outreach”		
Promote the Dallas County Household Hazardous Waste Collection Center	See BMPs above in “Public Education and Outreach” See MCM 3 “illicit Discharge Detection and Elimination”		
<b>G.3. Evaluation of Effectiveness</b>			
Annual Review of MCM 7, including updating a list of focus areas (for example, subjects, neighborhood, council districts, etc.)	Complete report documenting the review	PY2-PY5	Review Completed

***MCM 8-  
Monitoring,  
Evaluating,  
and Reporting***

## MCM 8: MONITORING, EVALUATING, AND REPORTING

A comprehensive monitoring, evaluating, and reporting program has been established and maintained over several MS4 permit terms to comply with relevant permit provisions and to protect water quality of receiving waterbodies in the MS4. The program includes both dry and wet weather screening, industrial and high-risk runoff monitoring, storm event discharge monitoring, and floatables monitoring. As required by the renewed MS4 permit, this MCM will also discuss improving impaired water bodies. This SWMP and its BMPS aimed at making progress on impairments is a continuation of the interim bacteria plan required by the previous version of the permit but adds new targeted controls and best management practices where needed.

Table 8-1 “MCM 8 – Monitoring, Evaluating, and Reporting” (below, at the end of this chapter) details the specific Targeted Controls and Best Management Practices established and maintained to achieve progress towards the objectives of MCM 8.

### **Status of Implementing the SWMP:**

A description of program activities related to Monitoring, Evaluating, and Reporting follows. Table 8-1 at the end of this section provides a summary of activities completed during the reporting period.

**Proposed Changes to the SWMP for the next Reporting Year:** none.

**Number and Nature of Enforcement Activities:** Not applicable.

### **Sample Collection and Test Procedures (Permit Sections V.B.2, III.B.2.h.i, III.B.2.h.ii, III.B.2.h.iii)**

For the Dry Weather and Wet Weather screening programs (outlined below) required by this minimum control measure, City staff generally collect the samples and perform field screening testing. Screening is also used as a first step in investigation of sources of illicit discharges that may have originated from industrial or High-Risk sites. Sample collecting and testing for these screening programs is not required to meet the laboratory accreditation and sample collection requirements listed in permit section Part V.B.2. Confirmation of screening results to be used in support of legal actions, however, must be sampled in accordance with the recommendations in the latest edition of *Standard Methods for the Examination of Water and Wastewater* or the Environmental Protection Agency manual entitled *Methods for Chemical Analysis of Water and Wastes* (2005), or the Environmental Protection Agency manual entitled *Biological Field and Laboratory Methods for Measuring the Quality of Surface Waters and Effluents* (1973) and performed by a laboratory accredited by the State of Texas under the National Environmental Laboratory Accreditation Program (NELAP).

All laboratory testing results submitted to the TCEQ to demonstrate compliance with this permit are performed by accredited laboratories and sampled in accordance with the protocols listed in the preceding paragraph. City staff that review laboratory results are responsible for ensuring that accredited laboratories perform tests that are sufficiently sensitive according to 40 CFR 136.1(c) and 40 CFR 122.44(i)(1)(iv).

For samples submitted to accredited laboratories, sample containers, holding times, and preservation methods meet the requirements specified in 40 Code of Federal Regulations (CFR) Part 136.

Flow measurements, equipment, installation, and procedures conform to those prescribed in the *Water Measurement Manual*, United States Department of the Interior Bureau of Reclamation, Washington, D.C.

**Dry Weather Screening (Permit Section III.B.2.h.i)**

See table 8-1 section H.1, “Dry Weather Screening Program”.

The City’s dry weather screening program focuses on detecting, identifying and eliminating illicit connections and improper discharges to the MS4, as described in MCM 3 “Illicit Discharge Detection and Elimination”. All HUC-12 watersheds within the permit area will be screened at least once during the permit term. The methods for screening the HUC-12 watersheds will rely on experience gained during prior screening activities. Table 8-2 summarizes the City’s dry weather screening efforts during the reporting period.

<b>Table 8-2 Dry Weather Screening Activities</b>				
<b>Watershed</b>	<b>Watershed City GIS ID</b>	<b># of Outfalls Inspected</b>	<b># of Outfalls with Drainage</b>	<b>#Illicit Discharges</b>
<b>Lower West Fork Trinity River (Texas Stream Segment 0841)</b>				
Fish Creek-Mountain Creek Lake	FC-MCL	0	0	0
Cottonwood Creek-Mesquite Creek Lake	CC-MCL	1	0	0
Delaware Creek-West Fork Trinity River	DC-WFTR	2	0	0
<b>Elm Fork Trinity River (Texas Stream Segment 0822)</b>				
Farmers Branch-Elm Fork Trinity River	FB-EFTR	1	0	0
Bachman Branch-Elm Fork Trinity River	BB-EFTR	160	1	0
<b>White Rock Creek System (Texas Stream Segment 0827)</b>				
Floyd Branch-White Rock Creek	FB-WRC	106	0	0
White Rock Creek-White Rock Lake	WRC-WRL	261	0	0
City of Dallas-White Rock Creek	COD-WRC	71	0	0
<b>Main Stem Trinity River (Texas Stream Segment 0805)</b>				
Headwaters-Turtle Creek	HTC	83	0	0
Turtle Creek-Trinity River	TC-TR	134	2	0
<b>Main Stem Trinity River (Texas Stream Segment 0805B)</b>				
Hickory Creek - Parson's Slough	HCPS	49	0	0
<b>Five Mile Creek System (Unclassified Water Body)</b>				
Headwaters Five Mile Creek	HFC	65	0	0

Table 8-2 Dry Weather Screening Activities				
Watershed	Watershed City GIS ID	# of Outfalls Inspected	# of Outfalls with Drainage	#Illicit Discharges
Five Mile Creek-Trinity River	FMC-TR	45	0	0
<b>Other Unclassified Creeks</b>				
Upper Prairie Creek - Trinity River	UPC-TR	0	0	0
Headwaters Ten Mile Creek	HTM	0	0	0
<b>East Fork Trinity River (Texas Stream Segment 0819)</b>				
South Mesquite Creek	SMC	3	0	0
<b>East Fork Trinity River (Texas Stream Segment 0819A)</b>				
Duck Creek	DC	9	0	0
<b>TOTAL:</b>		<b>1044</b>	<b>4</b>	<b>0</b>

When dry weather discharges are discovered, further investigation begins. The investigation process includes, when applicable, referrals to the industrial inspections program, close-circuit TV camera teams, the pretreatment program, the illegal dumping program, et cetera. *See Chapter 3, table 3-4* for examples of investigations.

**Wet Weather Screening (Permit Section III.B.2.h.ii)**

*See Table 8-1 Section H.2, “Wet Weather Screening Program”.*

The City maintains a wet weather-screening program designed to identify, investigate, and address areas that may contribute excessive concentrations of pollutants to the MS4.

Wet weather water quality data from each HUC-12 watershed that is located entirely within the City limits are collected at least once during the permit term. The City’s wet weather screening efforts are coordinated with the NCTCOG Regional Wet Weather Characterization Program to identify regional water quality trends, as data availability permits.

The City generally follows the screening techniques described in the Regional Wet Weather Protocol administered by the NCTCOG. Techniques are also described in written procedures maintained in conformance with City Environmental Management System.

Table 8-3 provides a summary of the local wet weather sample collection activities screened during the reporting period.

Table 8-3 Local Wet Weather Sample Collection Activities			
Watershed	Sample ID	Site	Date(s) Sampled
White Rock Creek - White Rock Lake	WRDM1	8000 E. Mockingbird Ln.	10/5/2023, 4/2/2024
White Rock Creek - White Rock Lake	WRDM2	700 E. Lawther Dr.	10/5/2023, 4/9/2024
White Rock Creek - White Rock Lake	WRDM3	3800 W. Lawther Dr.	10/24/2023, 4/16/2024
White Rock Creek - White Rock Lake	WRDM4	3600 W. Lawther Dr.	10/24/2023, 4/28/2024

**Industrial and High-Risk Runoff Monitoring (Permit Section III.B.2.h.iii.)**

Details describing the Industrial and High- Risk Runoff Monitoring Program are in Chapter 5 “MCM 5 Industrial and High- Risk Runoff”.

**Storm Event Discharge Monitoring/Wet Weather Characterization Program (Permit Sections III.B.2.h.iv)**

*See Table 8-1 section H.4, “Wet Weather Characterization Program”.*

To characterize the discharge from the MS4, the City of Dallas has elected to perform the required storm event discharge monitoring by participating in the NCTCOG Regional Wet Weather Characterization Program (RWWCP).

**Regional Wet Weather Characterization Program (RWWCP) (Permit Section IV.A.1)**

*See table 8-1 sections H.2 “Wet Weather Screening Program and H.4, “Wet Weather Characterization Program”.*

During the City permit term, the City will collect and analyze samples in accordance with RWWCP Program Term 4 (2018-2022) requirements until December 30, 2022. The City will collect and analyze samples in RWWCP Program Term 5 (2024-2028) from January 1, 2024 until September 30, 2024.

The RWWCP is the method by which the City meets the Storm Event Discharge Monitoring requirements in the permit Part IV; however, to better monitor water quality, the City also maintains a Representative Rapid Bioassessment Monitoring Program.

The City performs rapid bioassessment protocol (RBP) monitoring in accordance with the TCEQ “Surface Water Quality Monitoring Procedures, Volume 2: Methods for Collecting and Analyzing Biological Assemblage and Habitat Data” (TCEQ, 2007, RG-416). The RBP monitoring evaluates the chemical,

physical, and biological in-stream features that promote a healthy and diverse habitat; as such, this method provides a good overall assessment of watershed conditions. The RBP monitoring involves performing an Aquatic Life Use assessment in selected HUC-12 watersheds within the City of Dallas boundaries, in addition to reference watersheds. Two sampling events are conducted each year in accordance with the spring and summer index periods from the TCEQ guidance.

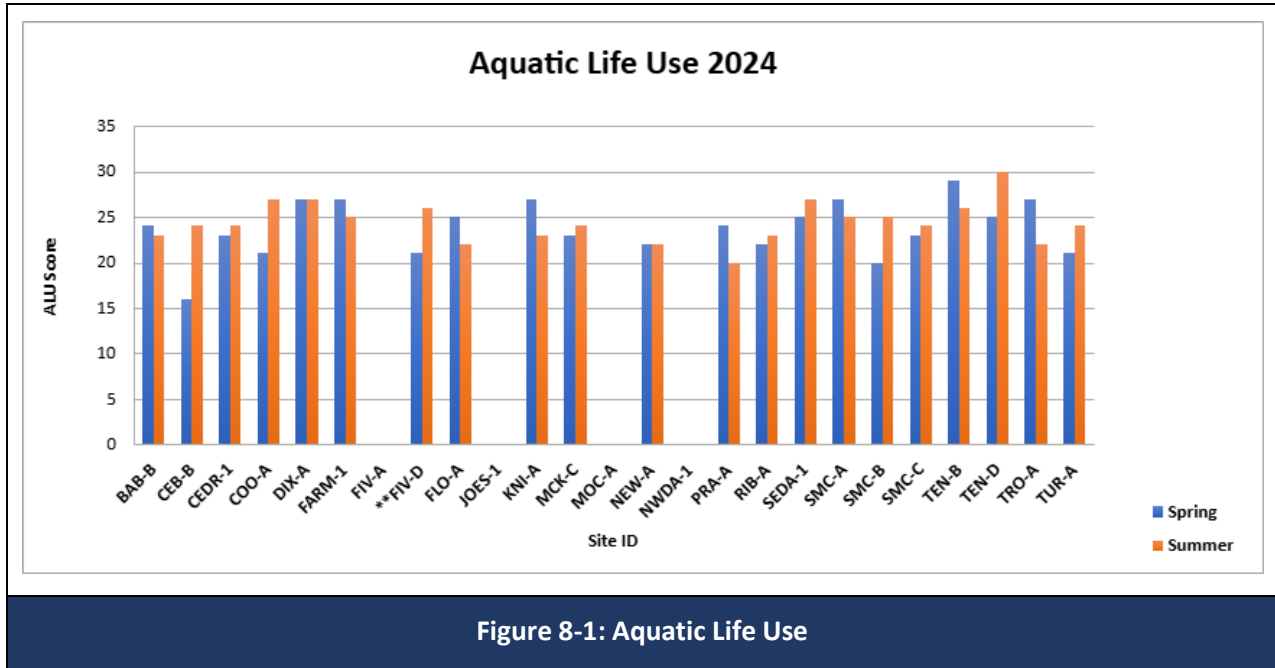
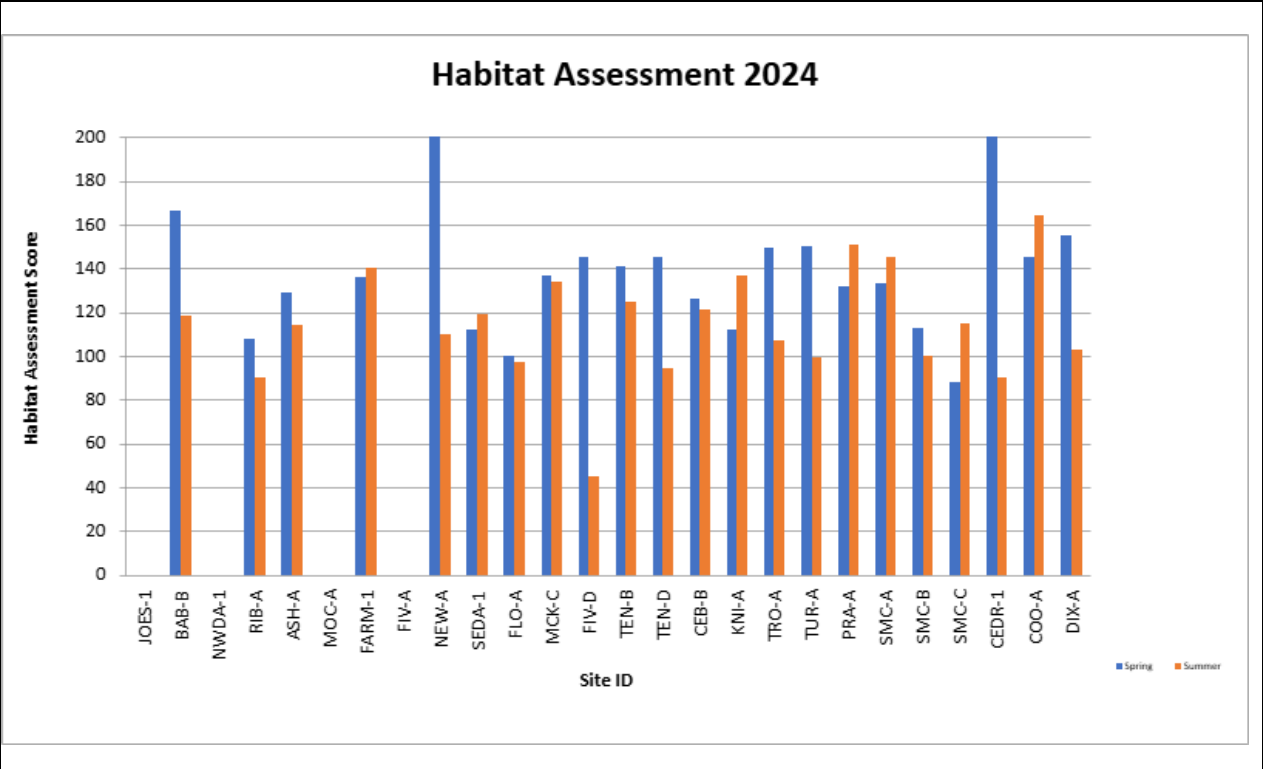


Figure 8-1: Aquatic Life Use

	Spring 2024		Summer 2024	
	<b>Minimum</b>	16	Limited	20
<b>Maximum</b>	29	High	30	High
<b>Mean</b>	24	Intermediate	24	Intermediate
<b>Median</b>	24	Intermediate	24	Intermediate
<b>Standard Deviation</b>	3.08	--	2.25	--



**Figure 8-2: Habitat Assessment**

Table 8-5: Habitat Assessment Statistics				
	Spring 2024		Summer 2024	
<b>Minimum</b>	88	Marginal	45	Marginal
<b>Maximum</b>	215	Optimal	164	Optimal
<b>Mean</b>	138.0909	Sub-Optimal	114.4545	Sub-optimal
<b>Median</b>	136.5	Sub-Optimal	114.5	Sub-optimal
<b>Standard Deviation</b>	57.63519	--	48.24495	--

For samples collected for the RBP, The City maintains records of storm events for each sampling event. These records include the data and duration (in hours), the rainfall estimates (in inches), the duration (in hours) between the storm event sampled and the end of the previous measurable storm event (greater than 0.1-inch rainfall) and estimate of the total volume (in gallons) of the discharge sampled.

Although not required by the permit due to the City participation in the RWWCP, the City monitors the four outfalls listed in the permit part IV.A.2. *See Appendix E.*



Table 8-6 Representative Outfalls	
Outfall	Location
001	6585 Palm Island at Newton Creek
002	13647 Preston Road at White Rock Creek
003	3989 La Reunion Boulevard at Bastille Street
004	Cedar Springs Road at Inwood Road

**Floatables Monitoring (Permit Sections III.B.2.h.v and Section IV.B)**

*See Chapter 1, “MCM1 MS4 Maintenance Activities”*

As described previously in MCM 1, “MS4 Maintenance Activities”, the City operates a comprehensive floatables program that includes controls such as stormwater interceptors, inlet screens, trash racks, litter booms, and education and outreach, among other activities.

The City maintains three litter booms where floatable material can be removed. Floatable material is collected at least twice per year and the amount collected is estimated in cubic yards. Results from this program are reported in the Annual Report. The litter booms are located at Bachman Creek at Bachman Lake, Williamson Branch Creek at White Rock Lake, and at Lake Cliff Park.

**Impaired Water Bodies and Total Maximum Daily Load Requirements Program (Permit Section II.C)**

*See table 8-1 section H.6, “Impaired Water Bodies and Total Maximum Daily Load Requirements Program”.*

The City’s permit does not authorize the MS4 to discharge to impaired water bodies where there is a TCEQ- and EPA-approved total maximum daily load (TMDL) unless the City manages those discharges in a manner consistent with approved TMDLs.

According to the “2022 Texas Integrated Report Index of Water Quality Impairments”, the water bodies listed below in Table 8-7 are water quality impaired:

Table 8-7 Water Quality Impairments		
Water Body	Segment Number	Water Quality Impairment
Upper Trinity River	0805	Bacteria (Recreational Use), Dioxin in edible tissue, PCBs in edible tissue
East Fork Trinity River	0819	Bacteria (Recreational Use)
White Rock Creek above White Rock Lake	0827A	Bacteria (Recreational Use)
Lower West Fork Trinity River	0841	Bacteria (Recreational Use), Dioxin in edible tissue, PCBs in edible tissue
Mountain Creek Lake	0841A	Dioxin in edible tissue, PCBs in edible tissue

Table 8-8 lists which impaired segments have an approved TMDL and which do not. The table has been updated per the “2022 Texas Integrated Report Index of Water Quality Impairments”.

Table 8-8 Water Quality Impairments and TMDL			
Water Quality Impairment	Water Body (ies)	Segment Number	TMDL?
Bacteria (Recreational Use)	Upper Trinity River, Lower West Fork Trinity River	0805, 0841	“Two Total Maximum Daily Loads for Indicator Bacteria in the Upper Trinity River, Dallas, Texas” and “Thirteen Total Maximum Daily Loads for Indicator Bacteria in the Lower West Fork Trinity River Watershed”, respectively
Bacteria (Recreational Use)	White Rock Creek above White Rock Lake	0827A	No approved TMDL
Bacteria (Recreational Use)	East Fork Trinity River	0819	No approved TMDL
Dioxin in edible tissue	Upper Trinity River, Lower West Fork Trinity River	0805, 0841	Category 5a “A TMDL is underway, scheduled, or will be scheduled”
PCBs in edible tissue	Upper Trinity River, Lower West Fork Trinity River, Mountain Creek Lake	0805, 0841, 0841A	“Nine Total Maximum Daily Loads for Legacy Pollutants in Streams and a Reservoir in Dallas and Tarrant Counties”

**Discharges of Pollutants of Concern to Impaired Water Bodies with an Approved TMDL (Permit Section II.C.2.a.)**

*See table 8-1 section H.6, "Impaired Water Bodies and Total Maximum Daily Load Requirements Program".*

The City’s MS4 does not discharge PCBs to Mountain Creek Lake. Accordingly, this SWMP will not include controls targeting that pollutant of concern. Data supporting this conclusion was provided in the Permit Year 1 Annual Report

The City MS4 does discharge bacteria to segments impaired for that pollutant. Accordingly, the City must target bacteria within this MCM. In permit Part II, both “targeted controls” and “focused BMPs” are required to be implemented and maintained to reduce bacteria loads to impaired waterbodies.

**Targeted Controls and Focused BMPs (Permit Sections II.C.2.a.i and II.C.2.a.v)**

*See table 8-1 section H.6, "Impaired Water Bodies and Total Maximum Daily Load Requirements Program".*

A targeted control is either a generic Best Management Practice (BMP) applied to a specific focus area (for example, adding inlet screens to a part of town found to be a bacteria hot spot) or a BMP that targets bacteria specifically (for example, an end-of-pipe bacteria treatments system on an outfall). A focused BMP is a targeted control that addresses sanitary sewer systems, on-site sewage facilities (where the City has jurisdiction), illicit discharges and dumping, animal sources, and residential education.

Table 8-9: City Parks with Pet Waste Stations	
Park Name	Park Address
Griggs Park	3200 Colby St Dallas
Arapaho Park	7401 Tophill Ln.
White Rock Lake Dog Park	8000 E. Mockingbird Lane
Watercrest Park	7070 Skillman
Old Renner Park	6725 Winding Rose Trail
Cole Park	4000 Cole Ave
Turtle Creek Park	3400 Turtle Creek Boulevard
Wagging Tail Dog Park	5841 Keller Springs Rd
Bark Park Central	2445 Canton St.
North Bark Dog Park	4899 Gramercy Oaks

**Measurable Goals (Permit Section II.C.2.a.ii)**

See table 8-1 section H.6, "Impaired Water Bodies and Total Maximum Daily Load Requirements Program".

As stated at the beginning of this MCM section, the SWMP is required to state measurable goals for all programs and activities. As shown in Table 8-1 "MCM 8: Monitoring Evaluating and Reporting" below, all targeted controls and focused BMPs have measurable goals and an implementation schedule.

**Identification of Benchmarks (Permit Section II.C.2.a.iii)**

See table 8-1 section H.6, "Impaired Water Bodies and Total Maximum Daily Load Requirements Program".

For impaired water bodies where there is a TMDL, the City will use the Waste Load allocation for permitted MS4 stormwater sources (WLA<sub>sw</sub>) as the benchmark.

Table 8-10: Identification of Benchmarks				
Water Quality Impairment	Water Body (ies)	TMDL	Assessment Unit	Benchmark, WLA <sub>sw</sub> (Billion MPN/day)
Bacteria (Recreational Use)	Upper Trinity River	"Two Total Maximum Daily Loads for Indicator Bacteria in the Upper Trinity River, Dallas, Texas"	0805_03	2,123 <sup>1</sup>
			0805_04	1,480 <sup>1</sup>
	Lower West Fork Trinity River	"Thirteen Total Maximum Daily Loads for Indicator Bacteria in the Lower West Fork Trinity River Watershed"	0841_01	589.6 <sup>2</sup>

Note 1: page 30 of the TMDL "Two Total Maximum Daily Loads for Indicator Bacteria in the Upper Trinity River, Dallas, Texas"

Note 2: page 54 of the TMDL "Thirteen Total Maximum Daily Loads for Indicator Bacteria in the Lower West Fork Trinity River Watershed"

**Analysis of Effectiveness of selected BMPs Required (Permit section II.C.2.a.iv)**

See table 8-1 section H.6, "Impaired Water Bodies and Total Maximum Daily Load Requirements Program"

The WLA<sub>sw</sub> is comprised of loading from active constructive sites, regulated industrial sites, and the load from the outfalls of the MS4.

The measure chosen to determine effectiveness of the BMPs in the SWMP is the geometric mean of E. Coli concentration calculated after the annual July Clean Rivers Program monitoring sampling event. Clean Rivers Program monitoring has found steadily decreasing amounts of E. coli in the impaired segments of the Trinity River within the permit area. Therefore, the BMPs in the SWMP continue to be effective in contributing to the achievement of the WLA<sub>SW</sub> benchmark.

<b>Table 8-11: Bacteria Trends in the Trinity River, Clean Rivers Program</b>				
<b>Site Description</b>	<b>CRP Station ID</b>	<b>Geomean (MPN/100 mls), July 2015</b>	<b>Geomean (MPN/100 mls), July 2024</b>	<b>% Improvement (July 2015 to July 2024)</b>
Boat Ramp Located on Sylvan @ Trinity River	20933	222.2	190	22.4%
Standing Wave at Santa Fe Ave/DART Rail	20934	576.8	234	70.39%
SH 310 Bridge at Trinity River	20444	491.4	195	68.78%

Details on HOW the SWMP BMPs can be effective in achieving the benchmark can be found in the details of the 2020 I-Plan. Simply put, the SWMP BMPs taken singly have small effect; the power of achieving the benchmark is in the whole program. Appropriately then, the City’s method for analysis of effectiveness must be on a program-wide approach. That is, looking at the geomean in impaired segments of the river.

**Monitoring or Assessment of Progress (Permit section II.C.2.a.vi)**

*See table 8-1 section H.6, "Impaired Water Bodies and Total Maximum Daily Load Requirements Program".*

As mentioned in the previous section, progress toward the benchmark is evident in the decreasing geometric mean in the impaired segments of the Trinitite River. See Table 8-10 above.

In addition to the water quality data from the CRP program, the City will monitor a small set of program implementation measures. The measures and the reasoning behind highlighting these measures is in table 8-11 below.

<b>Table 8–12: Program Implementation Measures Selected For Assessment of Progress</b>	
<b>Targeted Control</b>	<b>Reasoning</b>
# of new construction sites added (see MCM 6)	Construction Sites are one of the permitted activities that contribute to WLAsw. The City completed the Complete Streets manual in 2016 and the drainage design manual update in 2018. Additional attention to this Targeted Control over the course of the permit term will provide insight into the effect of these manual updates. The 2020 I-Plan suggests that the City may realize as much as a 40% reduction in bacteria loading from GI and LID practices.

**Table 8–12: Program Implementation Measures Selected For Assessment of Progress**

Targeted Control	Reasoning
Number of new facilities added to the industrial inspection program (see MCM 5)	Industrial sites regulated under the MSGP are also contributors to the WLA sw. Comparing City CO records with MSGP requirements will bring sites that should be permitted into the Industrial and High-Risk inspection program and then indirectly (through inspection and enforcement) reduce the waste load from these facilities
Expand existing management programs to identify and target animal sources such as zoos, pet waste, and horse stables (see MCM 8)	Animal waste is a contributor to WLA sw through the MS4 outfalls. The I-plan suggests that improved animal waste management from this program may reduce the bacteria loading from animals by more than 5% over 25 years.
Identify problem septic systems by comparing the list of known septic tanks with service requests for substandard conditions. Sewage complaints, and illicit discharges (see MCM 8)	This is also a contribution to the WLA sw from the MS4-permitted area. The I-plan suggests, at minimum, a 4% reduction in bacteria loading from these sources over 25 years.
Evaluate and Update the list of priority areas (see MCM 3)	An iterative approach to priority areas, over the term of this permit, should indicate to the City areas where significant loading can be found and brought into the various permitting programs.

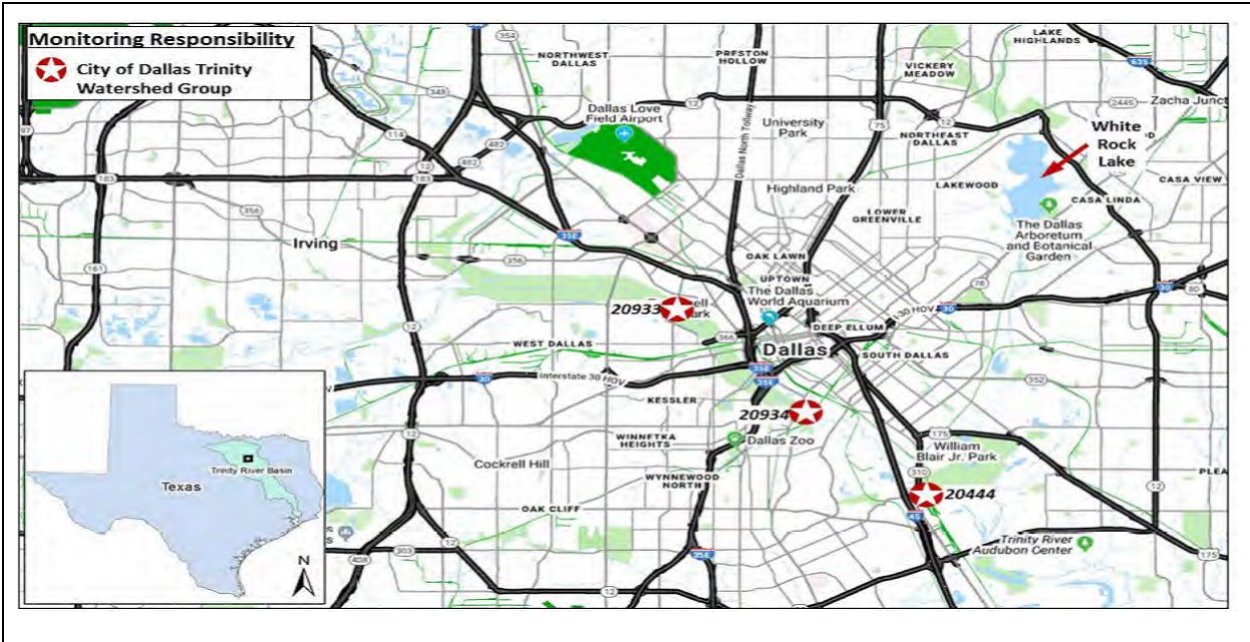
**Table 8-13: Texas Clean Rivers Program  
Trinity River Sample Locations in Dallas**

Site Description	Station ID#	Waterbody ID	Region	LAT	LONG
Boat Ramp Located on Sylvan @ Trinity River	20933	0805-04	04	32.789892	-96.83518
Standing Wave at Santa Fe Avenue/DART Rail	20934	0805-04	04	32.75292	-96.79165
SH 310 Bridge at Trinity River	20444	0805-03	04	32.749889	-96.77763

**Table 8-14: Clean Rivers Program Results**

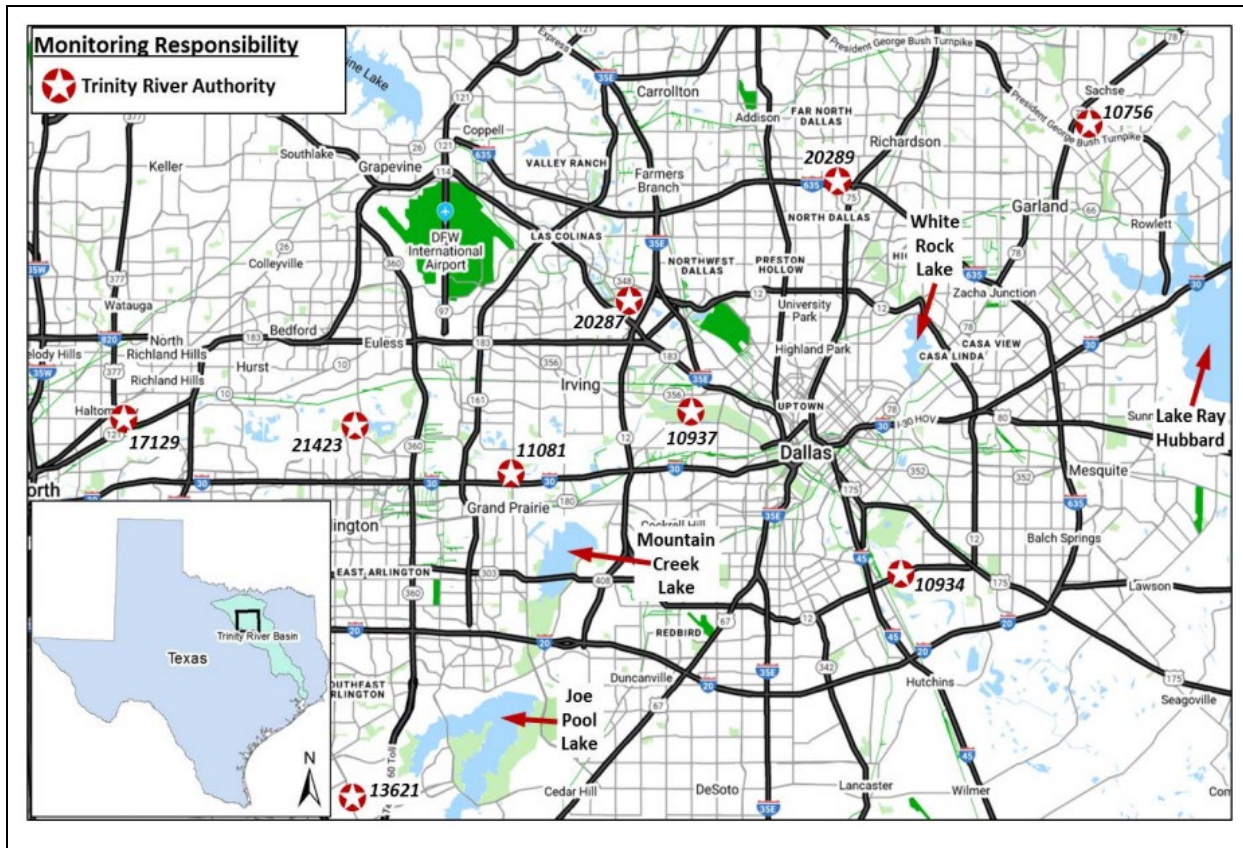
Site Description	Station ID#	Date	E. coli (colonies / 100ml)
Boat Ramp Located on Sylvan @ Trinity River	20933	10/13/2023	71
		1/17/2024	33
		4/17/2024	140
		7/17/2024	34

Table 8-14: Clean Rivers Program Results			
Site Description	Station ID#	Date	E. coli (colonies / 100ml)
Standing Wave at Santa Fe Avenue/DART Rail	20934	10/13/2023	58
		1/18/2024	65
		4/26/2024	120
		7/19/2024	23
SH 310 Bridge at Trinity River	20444	10/13/2023	53
		1/18/2024	30
		4/26/2024	340
		7/19/2024	38



**Figure 8-3: City of Dallas CRP Monitoring, Main Stem Trinity River, segments 0805\_03 and 0805\_04**  
 (Figure courtesy of Trinity River Authority, “2019 Trinity River Authority Clean Rivers Program Basin Highlights Report”, <http://www.trinityra.org/img/BasinPlanning/Final%202019%20TRA%20BHR.pdf>)

The Trinity River Authority (TRA) maintains two more sites within the corporate limits of Dallas:



**Figure 8-4: TRA CRP Monitoring Stations, Main Stem Trinity River, segments 0805\_03 and 0805\_04**  
 (figure courtesy of Trinity River Authority, “2019 Trinity River Authority Clean Rivers Program Basin Highlights Report”, <http://www.trinityra.org/img/BasinPlanning/Final%202019%20TRA%20BHR.pdf>)

In the evaluation of program implementation measures, the City will assess the effectiveness of BMPs/Targeted Controls in contributing to the achievement of benchmarks, evaluate the success in achieving measurable goals, and assess the appropriateness of carrying the BMP/Targeted Control forward into future permit years.

In addition to the CRP sites, the City has identified these 10 monitoring sites as priority areas for the bacteria TMDL program:



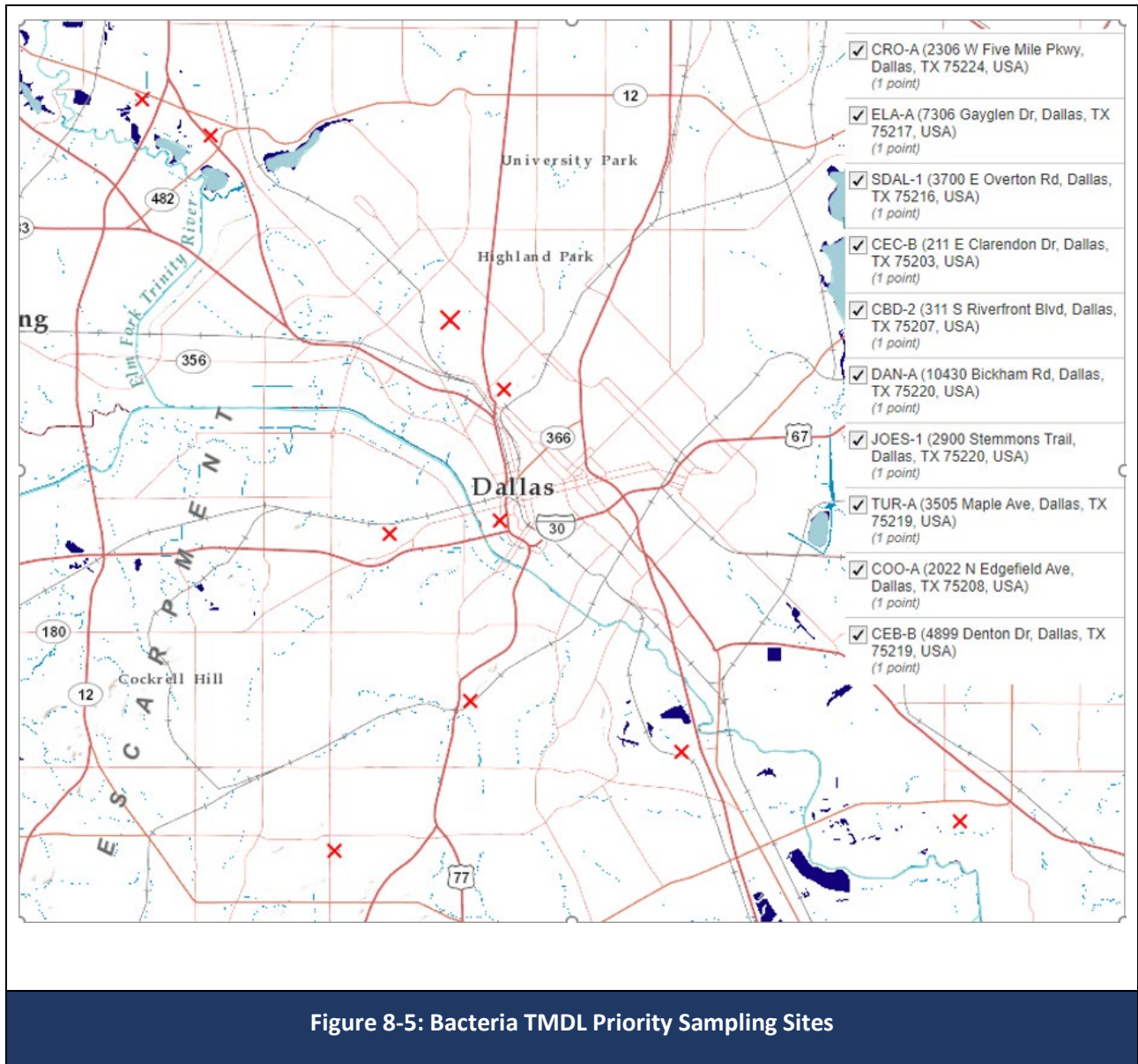


Figure 8-5: Bacteria TMDL Priority Sampling Sites

**Discharges Directly to Water Quality-Impaired Water Bodies without an Approved TMDL (Permit Section II.C.2.b.i)**

See table 8-1 section H.6, "Impaired Water Bodies and Total Maximum Daily Load Requirements Program".

Until it has established data to show that it does not directly discharge pollutants of concern to impaired water bodies without an approved TMDL, the City will include impaired water bodies without a TMDL in the same BMPs/ targeted controls established for impaired water bodies with a TMDL.

Based upon “ 2022 Texas Integrated Report Index of Water Quality Impairments”

(<https://www.tceq.texas.gov/downloads/water-quality/assessment/integrated-report-2022/2022-imp-index.pdf>), Table 8-15 lists the water quality impairments in the permitted area that have no TMDL:

Table 8-15: Water Quality Impairments – No TMDL		
Water Quality Impairment	Water Body	Impaired Assessment Units with the permitted area
Bacteria (Recreational Use)	White Rock Creek above White Rock Lake, East Fork Trinity River	0819_01, 0827A_01
Dioxin in edible tissue	Upper Trinity River	0805_03, 0805_04, 0805_06
Dioxin in edible tissue	Lower West Fork Trinity River	0841_01

A review of City MS4 GIS data shows that the *City of Dallas MS4 is not a direct discharger to the East Fork of the Trinity River*. See Figure 8-6 below and Appendix D.

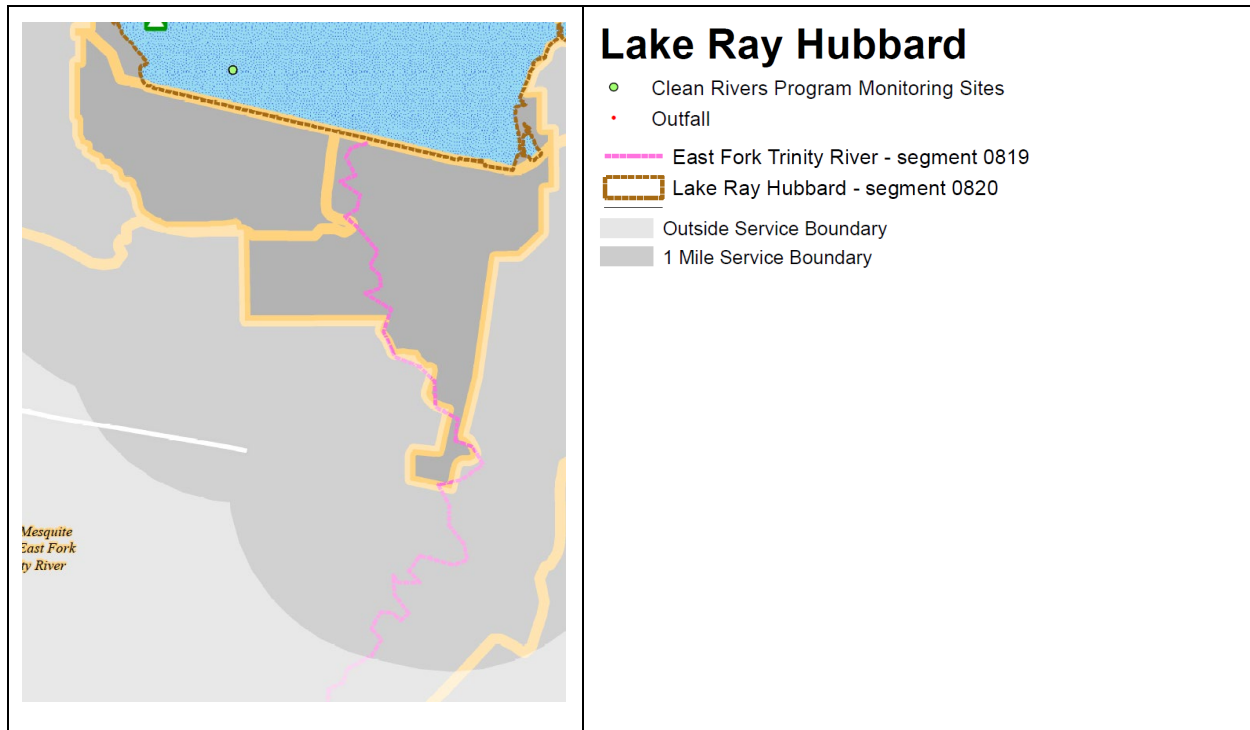
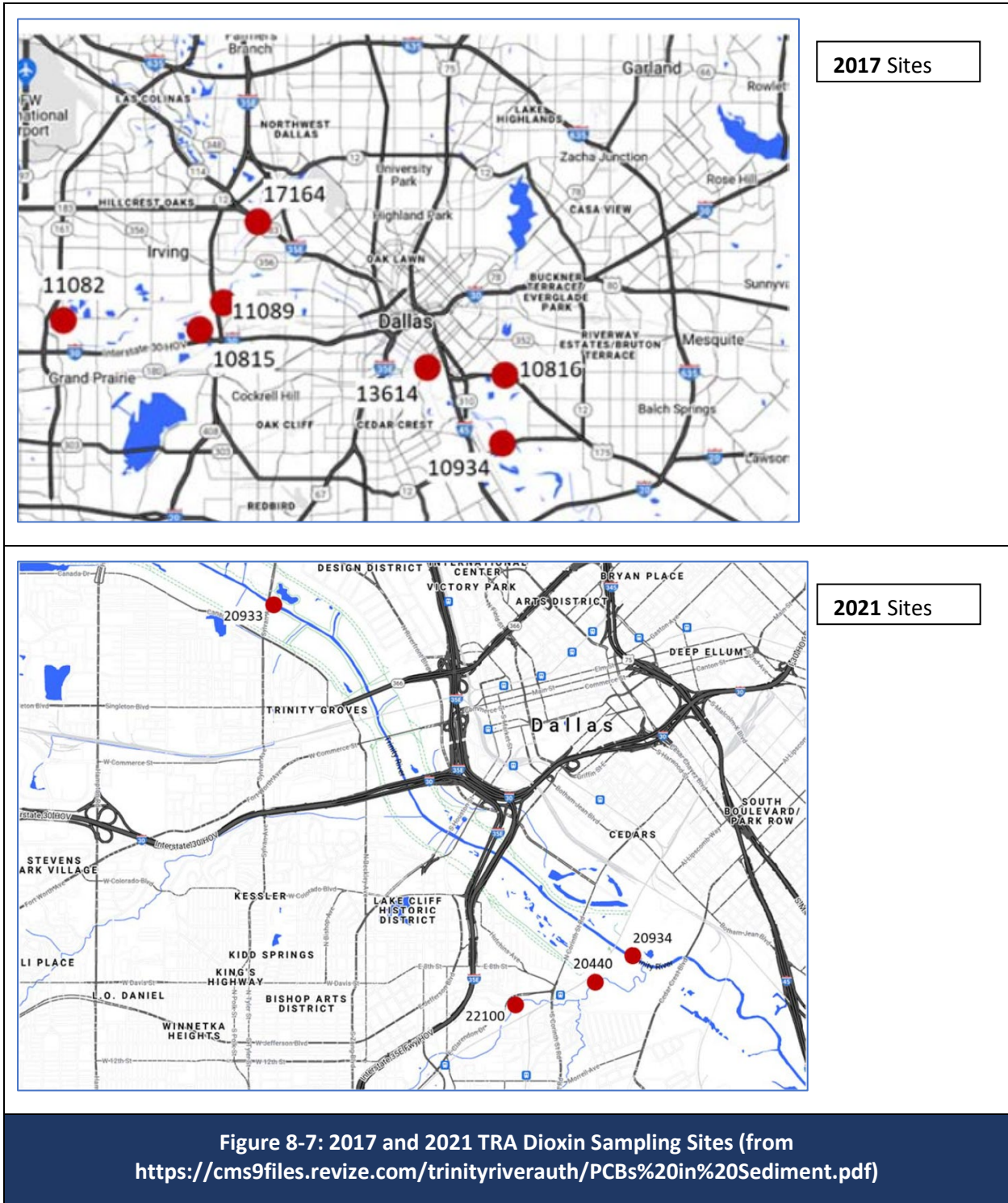


Figure 8-6: City Service Boundary, East Fork of the Trinity River

As reported by the Trinity River Authority in “PCBs, Dioxin, and Furans in Sediment” (<https://cms9files.revize.com/trinityriverauth/PCBs%20in%20Sediment.pdf>), the City of Dallas MS4 may be a source of dioxin in the Upper Trinity River. The TRA sample sites are in figure 8-7:



Dioxins are not manufactured, intentionally produced, or used commercially in the United States<sup>3</sup>; they are a byproduct of combustion and industrial processes. Globally, uncontrolled waste incineration, smelting, chlorine bleaching of paper pulp, and pesticide manufacturing are common sources of dioxin<sup>12</sup>. Diesel fuel combustion may also be an important source in Dallas<sup>2</sup>. Dioxin in stormwater and surface water results from the erosion of contaminated sediment or, when the source is close to water, direct deposition<sup>3</sup>.

BMP aimed at sediment control in MCM 1, MCM 3, MCM 4, MCM 5, and MCM 6 also address dioxin discharged to Dallas’ impaired water bodies.

According to the 2022 Index of Water Quality Impairments/Texas Integrated Report, TCEQ plans to lead the development of a dioxin TMDL for both the lower West Fork (segment 0841) and the main stem of the Trinity River (segment 0805). Until the TMDL is developed, Dallas will rely on existing sediment-control BMPs to also manage dioxin.

Footnotes:

1. “Dioxins and their effects on human health”, World Health Organization, 2016. <https://www.who.int/news-room/fact-sheets/detail/dioxins-and-their-effects-on-human-health#:~:text=Dioxins%20are%20found%20throughout%20the%20world%20in%20the%20environment, in%20plants%2C%20water%20and%20air.>
2. “PCBs, Dioxins, and Furans in Sediment”, Trinity Rive Authority, 2021. [https://www.trinityra.org/basin\\_planning/clean\\_rivers\\_program/reports.php#outer-30](https://www.trinityra.org/basin_planning/clean_rivers_program/reports.php#outer-30)
3. “Learn about Dioxin” webpage, United States Environmental Protection Agency. <https://www.epa.gov/dioxin/learn-about-dioxin>

**Discharging a Pollutant of Concern and Impairment For Bacteria (Permit Sections II.C.2.b.i.B and II.C.2.b.ii)**

*See table 8-1 section H.6, “Impaired Water Bodies and Total Maximum Daily Load Requirements Program”.*

If the City discovers that the MS4 discharges directly to the impaired water bodies, the City will establish appropriate programs. White Rock Creek above White Rock Lake is included in the bacteria-focused programs:

<b>Table 8-16: Examples of White Rock Creek in Bacteria-Focused Programs</b>	
<b>Best Management Practice/Targeted Control</b>	<b>Evidence that White Rock Creek is included?</b>
Wet Weather Monitoring	Outfall 002 at White Rock Creek is monitored twice per year (See Appendix E)

**Table 8-16: Examples of White Rock Creek in Bacteria-Focused Programs**

Best Management Practice/Targeted Control	Evidence that White Rock Creek is included?
Rapid Bioassessment Monitoring	Includes White Rock Creek sampling sites (see Appendix E)
Evaluate Pet Waste activities at City parks and align with the regional I-plan as needed	Arapaho Park, Watercrest Park, White Rock Lake Dog Park, Old Renner Park are in a White Rock Creek watershed.
NOTE: Many of the other bacteria- focused best management practices are City-wide. See Table 8-1, Section H.6 "H.6 Impaired Water Bodies and Total Maximum Daily Load Requirements Program"	

**Annual Reporting on Compliance with Requirements for Discharges Directly to Water-Quality Impaired Water bodies without an Approved TMDL (Permit Section II.C.b.iii)**

*See table 8-1 section H.6, "Impaired Water Bodies and Total Maximum Daily Load Requirements Program".*

Each year in the annual report, the City will report on compliance, including reporting any sampling result performed by the City. *See Appendix E.*

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**Table 8-1**

**MCM 8: Monitoring, Evaluating, and Reporting**

Best Management Practice/Targeted Control	Measurable Goal	Implementation Schedule	Implementation Status for Reporting Period (October 1, 2023-September 30, 2024)
<b>H.1 Dry Weather Screening Program</b>			
Maintain dry weather outfall screening program	1300 Outfalls inspected	PY2-PY5	990 Outfalls inspected
Investigate flows from outfalls during dry weather, sample the discharge, investigate the source, and act to eliminate the discharge.	See MCM 3 “Illicit Discharge Detection and Elimination”		
<b>H.2 Wet Weather Screening Program</b>			
Participate in the NCTCOG Regional Wet Weather Characterization Program and perform sampling per RWWCP schedule	Submit 1 report per calendar year to NCTCOG RWWCP	PY2-PY5	No report required until 2025
	24 sampling events	PY2-PY5	18 sampling events are completed
Maintain local wet weather screening program	2 wet weather sampling events	PY2-PY5	16 sampling events
Maintain Rapid Bioassessment Protocol monitoring program, including Aquatic Life Use (ALU) assessments and Habitat Assessment	Water quality results from at least 40 monitoring sites	PY1-PY5	See Figures 8-1 and 8-2 and Appendix E
	ALU results from at least 20 monitoring sites		
	Habitat Assessment from at least 20 monitoring sites		
Attend Regional Stormwater Monitoring Task Force	Documented attendance	PY1-PY5	No meetings in PY 5
<b>H.3 Industrial and High-Risk Runoff Monitoring Program</b>			

**Table 8-1**

**MCM 8: Monitoring, Evaluating, and Reporting**

Best Management Practice/Targeted Control	Measurable Goal	Implementation Schedule	Implementation Status for Reporting Period (October 1, 2023-September 30, 2024)
H.4 Wet Weather Characterization Program			
Maintain an Industrial and High-Risk Runoff Monitoring Program	See MCM 5 “Industrial and High-Risk Runoff		
H.4 Wet Weather Characterization Program			
Maintain a Wet Weather Screening Program	See H.2 “Wet Weather Screening Program” above		
Storm Event Discharge Monitoring	See H.2 “Wet Weather Screening Program” above		
Seasonal Pollutant Loading analysis	Not required; the City participates in the Regional Wet Weather program to meet the requirements for “Storm Event Discharge Monitoring”. See H.2 “Wet Weather Screening Program” above.		
Event Mean Concentration analysis	Not required; the City participates in the Regional Wet Weather program to meet the requirements for “Storm Event Discharge Monitoring”. See H.2 “Wet Weather Screening Program” above.		
H.5. Floatables Monitoring			
Maintain a Floatables Monitoring Program	See MCM 1 “MS4 Maintenance Activities”		
H.6 Impaired Water Bodies and Total Maximum Daily Load Requirements Program			
Collect samples at 3 locations for the Clean Rivers Program and submit results to the Trinity River Authority	Report results in the system-wide annual report	PY1-PY5	See Appendix E
Participate in the NCTCOG Bacteria Total Maximum Daily Load /TCEQ Total Maximum Daily Load Implementation Plan Program	Documented 50% overall attendance each year at the committees below: <ul style="list-style-type: none"> <li>• Monitoring Coordination Forum (1/2)</li> <li>• TMDL Stormwater and Wastewater Subcommittee (2/3)</li> </ul>	PY1-PY5	62% attendance



**Table 8-1**

**MCM 8: Monitoring, Evaluating, and Reporting**

Best Management Practice/Targeted Control	Measurable Goal	Implementation Schedule	Implementation Status for Reporting Period (October 1, 2023-September 30, 2024)
	<ul style="list-style-type: none"> <li>• Stormwater Public Education Task Force (3/4)</li> <li>• Pollution Prevention Roundtable (2/3)</li> <li>• Illicit Discharge Detection &amp; Elimination Roundtable (1/3)</li> <li>• Regional Stormwater Management Coordinating Council (4/4)</li> </ul>		
Participate in the NCTCOG Upper Trinity River Basin Coordinating Committee	Attend at minimum 50% of the committee meetings each year	PY1-PY5	100%
Analysis of BMPs effectiveness in contributing to achievement of the benchmark	Annual evaluation of Geometric mean of E. Coli concentration calculated after the annual July Clean Rivers Program monitoring sampling event.	PY1-PY5	See Table 8-13
	Annual comparison of # of new construction sites added to the construction inspection program to prior year and average over the permit term	PY2-PY5	PY 1: 145 new sites PY 2: 124 new sites PY 3: 124 new sites PY4: 91 new sites Average: 121
	Annual Evaluation of animal sources and septic system programs	PY2-PY5	0 stormwater/water quality SRs at animal related facilities

**Table 8-1**

**MCM 8: Monitoring, Evaluating, and Reporting**

Best Management Practice/Targeted Control	Measurable Goal	Implementation Schedule	Implementation Status for Reporting Period (October 1, 2023-September 30, 2024)
			0 sewage SRs at addresses with known septic systems
	Annual evaluation of priority areas	PY2-PY5	See Figure 8-5
Determine progress towards the benchmark	See “Analysis of BMPs effectiveness in contributing to the achievement of the benchmark” immediately above		
Make Improvements to sanitary sewers to reduce overflows	See MCM 3 “Illicit Discharge Detection and Elimination”, Table C-1, section C.2 “Detection and Elimination of Illicit Discharges”		
Address Lift Station Inadequacies, as needed	See MCM 3 “Illicit Discharge Detection and Elimination”, Table C-1, section C.2 “Detection and Elimination of Illicit Discharges”		
Improve the reporting of overflows	See MCM 3 “Illicit Discharge Detection and Elimination”, Table C-1, section C.2 “Detection and Elimination of Illicit Discharges” See MCM 7 “Public Outreach, Education, Involvement, and Participation”, Table G-1		
Strengthen sanitary sewer use requirements to reduce blockages from fats, oils, and grease	See MCM 3 “Illicit Discharge Detection and Elimination”, Table C-1, section C.2 “Detection and Elimination of Illicit Discharges” See MCM 7 “Public Outreach, Education, Involvement, and Participation”, Table G-1		
Implement an avian management program	Determine if AVI already has implemented an avian management plan at Love Field and evaluate its appropriateness for other City operations	PY3	AVI has an avian management plan at Love Field. AVI plan is appropriate for airports, but provides “lessons learned” for other City operations

**Table 8-1**

**MCM 8: Monitoring, Evaluating, and Reporting**

Best Management Practice/Targeted Control	Measurable Goal	Implementation Schedule	Implementation Status for Reporting Period (October 1, 2023-September 30, 2024)
	Deliver education materials to residents on the water quality impacts of feeding birds  PY3: 1 class PY4: 3 classes PY5: 5 classes  Materials can be delivered as part of other education events/classes	PY3-PY5	5 classes
Identify and address failing On-Site Sewage Facilities	Sample two creek or channel sites for bacteria and investigate results	PY3-PY5	N/A; no problem OSSF systems known
	Establish and implement a procedure for addressing problem septic systems	PY2-PY5	Procedure established and implemented
Evaluate Pet Waste activities at City parks and align with the regional I-plan as needed	Send out 1 water bill mailer about pet waste at parks.	PY3-PY5	3
	Apply for one grant for pet waste BMPs at public parks, if the grant opportunity exists	PY3-PY5	Researched the NPS grants programs; no application submitted
	Submit 1 budget enhancement request to SDM program administration for pet waste at City parks program	PY4-PY5	0 enhancements submitted

**Table 8-1**

**MCM 8: Monitoring, Evaluating, and Reporting**

Best Management Practice/Targeted Control	Measurable Goal	Implementation Schedule	Implementation Status for Reporting Period (October 1, 2023-September 30, 2024)
Evaluate BMP Project funding and evaluation activities and align with the regional I-Plan as needed	Attend 50% of the Public Education Task Force meetings	PY1-PY5	100% attended
	Apply for one grant for BMP project funding and evaluation, if the grant opportunity exists	PY3-PY5	1 application completed
	Submit one annual report each calendar year to the NCTCOG RWWCP BANEP	PY3-PY5	No report required in PY5
	Annual report of inventory of flood control BMPs	PY4-PY5	No inventory in PY5
Address inadequate maintenance of On-Site Sewage Facilities	See BMP/Targeted Control “Identify and address failing On-Site Sewage Facilities” immediately above		
Put in place additional effort to reduce waste source of bacteria; for example, from septic systems, grease traps, grit traps, or other sources	See MCM 3 “Illicit Discharge Detection and Elimination”, Table C-1, section C.2 “Detection and Elimination of Illicit Discharges” See MCM 7 “Public Outreach, Education, Involvement, and Participation”, Table G-1		
Expand existing management programs to identify and target animal sources such as zoos, pet waste, and horse stables	Inspect 5 animal shelters/clinics	PY2-PY5	0 problem animal shelters/clinics identified.
Educate Residents on bacteria discharging from a residential site either during rainfall runoff events or directly	See MCM 7 “Public Education, Outreach, Involvement, and Participation” Table 7-1		
Educate Residents on fats, oils, and grease clogging sanitary sewer lines and resulting overflows			

**Table 8-1**

**MCM 8: Monitoring, Evaluating, and Reporting**

Best Management Practice/Targeted Control	Measurable Goal	Implementation Schedule	Implementation Status for Reporting Period (October 1, 2023-September 30, 2024)
Educate Residents on maintenance and operation of decorative ponds			
Educate Residents on proper disposal of pet waste			
Include impaired water bodies with no TMDL in the targeted controls and best management practices for water bodies with a TMDL	See Targeted Controls above in this section “H.6 Impaired Water Bodies and Total Maximum Daily Load Requirements Program”		
Rely on existing SWMP targeted controls to also control sediment that may contain dioxin.	See MCM 1 “MS4 Maintenance”, Table 1-1, section A.1 “Structural Controls” and section A.3 “Roadways” See MCM3 “Illicit Discharge Detection and Elimination”, Table 3-1, sections C.1 “Illicit and Allowable Discharges” and C.2 “Detection and Elimination of Illicit Discharges...” See MCM4 “Pollution Prevention and Good Housekeeping for Municipal Operation” table 4-1 section D.2 “Structural Control Maintenance” See MCM 5 “Industrial and High-Risk Runoff” table 5-1 sections E.1 “Priorities and Procedures for Inspections...” and E.2 “Industrial and High-Risk Monitoring Program” See MCM 6 “Construction Site Stormwater Runoff” table 6-1 sections F.1 “Requirements for Structural and non-Structural BMPs” and F.2 “Inspection of Construction Sites and Enforcement Requirements”		

***Appendix A-  
Summary of  
Industrial and  
Construction Site  
Inspections and  
Permit Notices  
Received***

## APPENDIX A: SUMMARY OF INDUSTRIAL AND CONSTRUCTION SITE INSPECTIONS

As required by TPDES Permit No. WQ0004396000, this Annual Report includes a summary of industrial and construction site inspections conducted during the reporting period.

**Construction Inspections:** The City conducted a total of 4,136 inspections at 196 large construction sites. The City conducted 1,903 inspections on 194 small construction sites between 1 and 5 acres. The City conducted 7 inspections at sites that were one to five acres in size in response to complaints.

**Industrial Inspections:** The City performed 773 industrial inspections at 634 industrial sites that included 108 non-permitted sites, and 526 TPDES/SARA sites. The TPDES/SARA sites inspected are the following: 57 SARA 313 classified facility locations, 213 high risk facilities, 70 Sector U facilities, 4 permitted City facilities (landfill, salvage yard, transfer stations and airports), 19 airport tenants, and 421 low risk sites.

**Lists of TPDES Permitted Sites:** Table A-1 through A-4 below list the sites and facilities periodically inspected as part of the MCM 5 “Industrial and High-Risk Runoff” and MCM 6 “Construction Site Stormwater Runoff” inspection programs.

## SUMMARY OF PERMIT NOTIFICATIONS RECEIVED

As required by TPDES Permit No. WQ0004396000, this Annual Report includes a summary of notices of intent and other notifications received.

During PY5, the City received:

- 56 notices of intent (NOI), 103 small construction site notices, and 79 other notices provided in accordance with TCEQ TPDES TXR150000, General Permit for Stormwater Discharges Associated with Construction Activities, and (Morris)
- 58 NOI from new operators provided in accordance with TPDES TXR050000, Multi-Sector General Permit for Stormwater Discharges Associated with Industrial Activity.



**Table A-1: PY5 Active Construction Sites**

SWMS_FILE	CONSTRUCTION_SITE_NAME	PROJECT_NAME	OPERATOR_NAME	ADDRESS/LOCATION	INSPECTION FREQUENCY	PERMIT ACRES DISTURBED	PERMIT TYPE
1078-1	5214 RL Thornton & 113 Hillvale	lauraland Development	Globe Auto Group	LAURELAND ST	Monthly	3.5	SCSN
1467-24	Dallas Love Field Terminal	Dallas Love Field Crossfield Taxiways	Flatiron Constructors, Inc.	9312 Reeves St	2-weeks	59	NOI
1467-26	Dallas Love Field Terminal	Dallas Love Field Runway 13L-31R RSA Improvement Rehab Txwy A	Flatiron Constructors, Inc.	9312 Reeves St	2-weeks	55.14	NOI
1829-5	East Side Water Treatment Plant	Eastside WTP Flocculation and Sedimentation Basins	Oscar Renda Contracting, Inc.	405 Long Creek Rd	2-weeks	7.5	NOI
2057-10	UT Southwestern Medical Center	PHMS - New Pediatric Center	McCarthy Vaughn a Joint Eventure	6300 Harry Hines Blvd	2-weeks	16.97	SHELL
2057-11	UT Southwestern Medical Center	DFW Area - UTSW Psychiatric Hospital	The Whiting Turner Contracting Company	Southeast of Harry Hines Blvd and Medical District	2-weeks	22	NOI
2057-12	UT Southwestern Medical Center	TEP Demolition	Batson-Cook Company	6222 Forest Park Rd	2-weeks	2	NOI
2627-59	Cypress Waters-Phase 1	Awh - Cotton Belt Regional Rail	Archer Western Herzog 4.0 Jv	Linear 26 Mile Commuter Rail from DFW Airport to Shiloh Rd in Plano	2-weeks	10	NOI
2627-63	Cypress Waters-Phase 1	August Hills Apartments	Billingsley Construction, Inc.	376 ft NE of Olympus Blvd. and Sage Hill Ln	2-weeks	5	SHELL
2627-64	Cypress Waters-Phase 1	The Sound Retail 2	Billingsley Construction, Inc.	Olympus Blvd and Locke St	2-weeks	2	SHELL
2627-65	Cypress Waters-Phase 1	The Courts aka Cypress Water Amenity Center	Billingsley Construction, Inc.	742 ft. NW of Olympus Blvd and Sage Hill Ln	2-weeks	2	NOI
3358-1	MLT Development	MLT Development Demolition	Regal Acquisition LLC	SE of Shorecrest and Reeves St	2-weeks	16	NOI
3501-11	Preston Hollow Village	Merion at Midtown Park	Clh20, LLC	NORTHWEST OF NUNLEY LN & CALLIMONT DR	2-weeks	5.43	NOI
3909-1	The Lawn at Glen Abbey	The Lawn at Glen Abbey	LAGA, Ltd	NORTH SIDE OF KELLER SPRINGS ROAD EAST OF GREEN PARK DRIVE	2-weeks	18.9	NOI
3909-3	The Lawn at Glen Abbey	Lawn At Glen Abbey	Bob Thompson Homes LP	Keller Springs Rd and Abbey Creek Way	2-weeks	2	NOI

**Table A-1: PY5 Active Construction Sites**

SWMS_FILE	CONSTRUCTION_SITE_NAME	PROJECT_NAME	OPERATOR_NAME	ADDRESS/LOCATION	INSPECTION FREQUENCY	PERMIT ACRES DISTURBED	PERMIT TYPE
4171-9	Trinity Groves	Trinity Green Phase III	Oht Dfw Construction, LLC	SEC of Intersection of Singleton Blv and Crossman Ave	2-weeks	6	NOI
4539-1	Highland Springs	Highland Springs	The Whiting Turner Contracting Company	8000 FRANKFORD PKWY	2-weeks	34	LCSN_PO
4999-6	Lake Highlands Town Center	Lake Highlands Town Center Dredging	Energy Resources, Inc. dba ER Dredging, Inc.	7100 Wildcat Wat	2-weeks	1.1	SCSN
5330-1	Trinity Meadows Phase 1	Soho Square	Megatel Trinity Meadows LLC	Southwest of Borger St and Duluth St	2-weeks	19	NOI
5330-2	Trinity Meadows Phase 1	SoHo Square	Megatel Homes LLC	SW of Borger St and Duluth St	2-weeks	5	NOI
5330-4	Trinity Meadows Phase 1	The Villages of SoHo	Villages at Soho Square LLC	from N Hampton Rd, east on Singleton Blvd .63 miles	2-weeks	5	NOI
5379-2	Midtown Development (Valley View Mall Demo)	Midtown Development (Valley View Mall Demo)	TX Dallas Midtown LP	13343 Preston Rd	2-weeks	12	LCSN_SO
5379-5	Midtown Development (Valley View Mall Demo)	Park Heritage at Midtown Dallas	Seritage SRC Finance LLC	NW of 635 Service Rd and Presotn Rd	2-weeks	22.6	NOI
5379-6	Midtown Development (Valley View Mall Demo)	Dallas Midtown	North Texas Contracting, Inc.	Southwest of Alpha Rd and Preston Rd	2-weeks	18	NOI
5400-1	Statler Parking Garage	Statler Parking Garage	CADG Harwood LLC	2013 Jackson St	Monthly	1	SCSN
5551-1	Singleton Villas	Singleton Villas	Greenleaf Ventures LLC	Northeast Corner of Pointer and Singleton	2-weeks	18	NOI
5551-2	Singleton Villas	Trinity West - Home Building	Lennar Homes of Texas Land and Construction Ltd.	Singleton Blvd and Normandy Brook Rd	2-weeks	6	NOI
5779-1	Trinity Bluff	Trinity Townhomes No 2	Rawlins Hall LLC	381 E Greenbriar	Monthly	2	SCSN
5889-1	Middlefield Street	Middlefield Farms Pasture	Middlefield Farms, LLC	2930 Middlefield Rd	2-weeks	5	NOI
6039-1	Enclave Villas	Enclave Villas	Shepherd Place Homes, Inc	5800 FORNEY RD	2-weeks	5.3	NOI
6189-3	1818 Park Ave	Park & Hickory Apartments	Keystone Development LLC	1812 HICKORY ST	Monthly	2.5	SCSN

**Table A-1: PY5 Active Construction Sites**

SWMS_FILE	CONSTRUCTION_SITE_NAME	PROJECT_NAME	OPERATOR_NAME	ADDRESS/LOCATION	INSPECTION FREQUENCY	PERMIT ACRES DISTURBED	PERMIT TYPE
6229-1	Mill Creek/Peaks Branch/State Thomas I	Drainage Relief Channel Site O	Southland Mole, JV	NE of Barber Ave & S of Dixon	2-weeks	15.8	NOI
6309-1	APX Logistics	APX Logistics	American Pride Xpress Logistics	8815 C F Hawn Fwy	Monthly	2	SCSN
6423-1	Medical District Dr	Medical District Dr	Structural Assurance, LLC	From IH35E to Harry Hines Blvd	Monthly	4.4	SCSN
6494-1	Cedar Branch Townhome Addition	Cedar Branch Townhome Addition	Texas Intownhomes LLC	NWC and NEC of Hawthorne and Bengal	2-weeks	5.62	NOI
6723-1	Southside Interceptor Project	Southside Interceptor Project	Oscar Renda Contracting, Inc.	2930 MIDDLEFIELD RD	2-weeks	5	LCSN_PO
6752-1	2118 California Crossing	2118 California Crossing	2118 Cc V1, LLC	2118 California Crossing	2-weeks	39	NOI
6752-2	2118 California Crossing	CWD Storage and Parking	Community Waste Disposal	2010 California Crossing	2-weeks	2	NOI
6842-1	Plush Suites	Noel Rd Hotel Dallas Marriott Tribute	Dallas Lodging, LLC	13931 Noel Rd	Monthly	1.75	SCSN
6942-1	3500 E Illinois	3500 E Illinois	Juan Garcia	3500 E ILLINOIS AVE	Monthly	2	SCSN
6992-1	5390 S 2ND AVE	5390 2ND AVE	Triple A Auto Recycling Inc	5390 S 2ND AVE	2-weeks	42	NOI
7112-1	Kessler West	Kessler West	EB3 Construction	NEC of Oak Cliff Blvd and W Davis St	Monthly	1.72	SCSN
7132-1	Bluffs at Cochran Chapel	Bluffs at Cochran Chapel	Mark Molthan Homes	4214 W Northwest Hwy	Monthly	3.6	SHELL
7182-1	5310 Railroad Ave	5310 Railroad Ave	Gelson Duarte	5310 RAILROAD AVE	Monthly	5	SCSN
7355-1	I-635 LBJ East Project	I-635 LBJ EAST PROJECT	Pegasus Link Constructors LLC	IH-635 BETWEEN ITS INTERSECTIONS WITH U.S. 75 ON THE EAST AND IH-30 ON THE WEST	2-weeks	11.21	NOI
7359-1	Convenience Store - Cockrell Hill Part. Add.	Convenience Store - Cockrell Hill Part. Add.	Cockrell Hill Partners, Inc.	5823 S Cockrell Hill Rd	Monthly	2.5	SCSN

**Table A-1: PY5 Active Construction Sites**

SWMS_FILE	CONSTRUCTION_SITE_NAME	PROJECT_NAME	OPERATOR_NAME	ADDRESS/LOCATION	INSPECTION FREQUENCY	PERMIT ACRES DISTURBED	PERMIT TYPE
7373-1	Planet Granite Dallas	Planet Granite Dallas	Ewing Properties Texas, LLC	141 Glass St	Monthly	3.06	SCSN
7403-1	Wellington Farms	Wellington Farms	D.R. Horton - Texas Ltd	NW intersection of Stark Road and Lasater Road	2-weeks	53.62	NOI
7411-1	SH310 Dal009201052Dcao	SH310 Dal009201052Dcao	Johnson Bros. Corp a Southland Company	SH 310 Budd St to Lipscomb Way	2-weeks	34	NOI
7412-1	Modella Park	Modella Park	Olerio Homes LLC	Intersection of E Bend Dr and Modella Ave	Monthly	2.23	SCSN
7415-1	West Cliff Estates	West Cliff Estates	Camden Homes, LLC	NWC of S Cockrell Hill Rd and Able Ridge	2-weeks	44.5	NOI
7419-2	TENISON VILLAGE AT BUCKNER TERRACE	Pulte Homes of Texas	Pulte Homes of Texas, L.P.	Samuell Blvd. & Rudin St.	2-weeks	10	NOI
7419-3	TENISON VILLAGE AT BUCKNER TERRACE	Ashton Dallas Residential	Ashton Dallas Residential L.L.C.	SWC OF HUNNICUT RD. AND SAMUEL BLVD	2-weeks	12	NOI
7419-4	TENISON VILLAGE AT BUCKNER TERRACE	Tenison Village at Buckner Terrace	Mattamy Texas LLC	Samuell Blvd. & Rudin Street	2-weeks	26.03	NOI
7428-1	COLLEGE PARK	COLLEGE PARK	LGI HOMES-TEXAS, LLC	SE OF J J LEMMON RD. & LEAF ARBOR DR. DALLAS 75241	2-weeks	67	NOI
7429-1	Shady Hollow Estates	Shady Hollow Estates	Site Build 19, LLC	SE of Los Angeles Blvd and Blue Ridge Rd	2-weeks	18	NOI
7445-2	Middlefield Village Ph 1	Middlefield Village	Land Link Realty, LLC	Near 3401 Middlefield St	2-weeks	15	NOI
7445-3	Middlefield Village Ph 1	Middlefield Village	Century Land Holdings of Texas, LLC	Middlefield Rd and Bur Oak	2-weeks	5	NOI
7445-4	Middlefield Village Ph 1	Middlefield Village Phase 3	Lakeview Homes LLP	Intersection of Teal Ln and Dogwood Ln	2-weeks	5	SHELL
7471-2	DFW National Cemetary Burial Expansion	DFW National Cemetary - Phase 4	Covenant Construction Service, LLC	Near 2000 Mountain Creek Pkwy	2-weeks	56	NOI
7480-1	Brierwood Heights PH 3	Brierwood Heights PH 3	Sikka Investments LLC	10000 BRIERWOOD LN	2-weeks	19.1	NOI

**Table A-1: PY5 Active Construction Sites**

SWMS_FILE	CONSTRUCTION_SITE_NAME	PROJECT_NAME	OPERATOR_NAME	ADDRESS/LOCATION	INSPECTION FREQUENCY	PERMIT ACRES DISTURBED	PERMIT TYPE
7488-1	Golden Buckner Addition	Golden Buckner Addition	Joeris General Contractors	5204 S BUCKNER BLVD	2-weeks	12	SCSN
7488-2	Golden Buckner Addition	Golden Buckner Addition MJR	MJR Engineering	5165 S BUCKNER BLVD	2-weeks	4	SCSN
7500-1	Inwood Park Estates	Inwood Park Estates	LRO Residential, LLC	5025 Lakehill Ct	Monthly	1.5	SHELL
7504-2	Urby	URBY II	Moss and Associates	1960 Hi Line Dr	Monthly	2	SHELL
7507-1	The Connecticut at White Rock	The Connecticut at White Rock	Brendenwood Construction Group, LLC	7207 GASTON AVE	Monthly	4.95	SCSN
7510-2	Wright Farms Phase 2	Wright Farms Lennar	Lennar Homes of Texas Land and Construction Ltd	Beauford Road and Temper Lane	2-weeks	17	NOI
7519-1	Flanders Hollow and Flanders Hill	Flanders Hollow and Flanders Hill	Oaxaca Construction, LLC	NE and SE Corner of Stafford and N Edgefield	Monthly	4.1	SCSN
7521-1	Dolphin Road Reconstruction	Dolphin Road Reconstruction	Tiseo Paving Co	Dolphin Rd from Spring Ave to N Haskell Ave	2-weeks	5.88	NOI
7544-1	Jackson Street Parking Garage	Jackson Street Parking Garage	Azteca Russell JV	700 JACKSON ST	Monthly	0.9	SCSN
7547-1	Dalview Estates	Dalview Estates	Tower Holdings, LLC	1031 N MASTERS DR	2-weeks	5.6	NOI
7548-1	Maple Avenue Road Project	Maple Avenue Road Project	Estrada Concrete Company, LLC	Maple Ave from McKinney to Cedar Springs	Monthly	3.75	SCSN

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SWMS_FILE	CONSTRUCTION_SITE_NAME	PROJECT_NAME	OPERATOR_NAME	ADDRESS/LOCATION	INSPECTION FREQUENCY	PERMIT ACRES DISTURBED	PERMIT TYPE
7551-1	Caldwell Lakes	Caldwell Lakes	K. Hovnanian Homes - DFW LLC	Lasater Rd and Champlain Way	2-weeks	76.69	NOI
7558-1	3001 Maple Ave	3001 Maple Ave	Archer Western Construction	3001 Maple Ave	Monthly	4.6	SCSN
7567-1	The Ridge at Lancaster	The Ridge at Lancaster	Xpert Design and Construction, LLC	5703 S Lancaster Rd	2-weeks	16	NOI
7568-1	Enclave Frankford	Enclave Frankford	Res lcd, LP	N side of PGBT between Frankford and Marsh	2-weeks	10.5	NOI
7571-1	4701 Miron Dr	4701 Miron Dr	Sebastian Construction Group, LLC	4701 Miron Dr	Monthly	4.5	SHELL
7574-1	Meadowbrook Apartments	Meadowbrook Apartments	Xpert Design & Constuction	910 S BELT LINE RD	2-weeks	10.8	LCSN_PO
7579-1	Casa View Elementary School Additions	Casa View Elementary School Additions	3i Contracting LLC	2100 FAROLA DR	Monthly	1	SCSN
7584-1	Highland Grove	Highland Grove	J.G. Moore & Co., Inc.	SW of Highland Rd. and Barbaree Blvd.	Monthly	4.1	SCSN
7600-1	Concrete Batch Plant 3	Concrete Batch Plant 3	Heritage Materials, LLC	5000 SCYENE RD	2-weeks	9	NOI
7602-1	New Birth Worship	New Birth Worship	WJH Investment Companies	3141 STAG RD	Monthly	2.11	SCSN
7606-1	Fairfield At Manderville	Fairfield At Manderville	Fairfield Development L.P.	West side of Manderville Lane 0.1 mile south of Meadow Rd	2-weeks	26.6	NOI
7610-1	McBroom and Conroe St	McBroom and Conroe St	Oaxaca Interests, LLC	NW Corner of Nomas and Conroe	Monthly	2.71	SCSN

**Table A-1: PY5 Active Construction Sites**

SWMS_FILE	CONSTRUCTION_SITE_NAME	PROJECT_NAME	OPERATOR_NAME	ADDRESS/LOCATION	INSPECTION FREQUENCY	PERMIT ACRES DISTURBED	PERMIT TYPE
7613-1	Batch Plant Dalrock Rd	Batch Plant Dalrock Rd	Sema Construction Inc	130 WB Frontage Rd 0.2 miles east of Dalrock Rd	Monthly	4	SCSN
7619-1	The Vues Apartments	The Vues Apartments	Masa Design Build, LLC	4102 Preferred Place	Monthly	2.95	SCSN
7620-2	Ellington Woods - Land Development	Ellington Woods - Homebuilding	Lennar Homes of Texas Land and Construction, Ltd.	West of E Wheatland Rd and Buford Dr	2-weeks	43.62	NOI
7621-1	Home 2 Suite	Home 2 Suite	SHIV HOSPITALITY GROUP DALLAS II, LLC	8640 E R L THORNTON FWY	Monthly	1.93	SCSN
7622-1	Studio 6	Studio 6	Jai Bhole Shiv Sai Hospitality LLC	8559 E R L THORNTON FWY	Monthly	1.6	SCSN
7624-1	Sphinx at Fiji Lofts	Sphinx at Fiji Lofts	SDC Construction, LLC	NEC of Ave B and Fran Way	Monthly	2.47	SHELL
7626-1	James Madison High School	James Madison High School	Reeder General Contractors, Inc.	3000 MARTIN LUTHER KING BLVD	2-weeks	7.25	NOI
7628-1	Park Central Place Condominium Reconstruction	Park Central Place Condominium Reconstruction	Park Central Place Condominium Reconstruction	11234 PARK CENTRAL PL	Monthly	1	SCSN
7631-1	Prairie Creek North Phase 2 & 3	Prairie Creek North Phase 2 & 3	Lennar Homes of Texas Land and Construction Ltd	Delafield Lane .2 miles North of Military Parkway	2-weeks	43.3	NOI
7632-1	Awh - Cotton Belt Regional Rail	Awh - Cotton Belt Regional Rail	Archer Western Herzog 4. Jv	Linear 26 Mile Commuter Rail from DFW Airport to Shiloh Rd in Plano	2-weeks	50	NOI
7634-2	Rosemont Prep Additions and Renovations	DISD Rosemont ES Ph 2	HCBeck, Ltd.	Northeast of Mary Cliff Rd and Rainier St	2-weeks	6	SCSN
7635-1	IH-35E Phase II	IH-35E Phase II	Lone Star Constructors	2100 Valley View Ln	2-weeks	390	SHELL
7641-1	Street Reconstruction Group 17-10005	Street Reconstruction Group 17-10005	La Banda LLC	Westfield Drive from Woodbrook Drive to Gladwood Lane	Monthly	4	SCSN
7643-1	Demo of 7130 Alexander Dr	Demo of 7130 Alexander Dr	Old Texas Wood	7130 Alexander Dr	Monthly	1.9	SHELL
7644-1	Demo of 10010 Strait Ln	10010 Strait Ln	Hadley and Bess Construction, LLC	10010 Strait Ln	Monthly	2.2	SCSN

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SWMS_FILE	CONSTRUCTION_SITE_NAME	PROJECT_NAME	OPERATOR_NAME	ADDRESS/LOCATION	INSPECTION FREQUENCY	PERMIT ACRES DISTURBED	PERMIT TYPE
7655-1	TXDOT DAL 2374-04-085 IH20	TXDOT DAL 2374-04-085 IH20	Austin Bridge and Road	IH20 Limits from West of Cockrell Hill Rd to Hampton Rd	2-weeks	51	SHELL
7657-1	Flag Pole Hill - Phase I Improvements	Flag Pole Hill - Phase I Improvements	Joe Funk Construction	8015 DORAN CIR	Monthly	3	SCSN
7660-1	Lantower Midtown Park	Lantower Midtown Park	Oht Dfw Construction LLC	10650 N CENTRAL EXPY	2-weeks	4.19	NOI
7665-1	East Lake	East Lake	Acadian Builders Group, LLC	10030 GARLAND RD	Monthly	3.61	SCSN
7667-1	Modera - St.Paul	Modera - St.Paul	MCRT North Texas Construction, LLC	1800 N WOOD ST	Monthly	2	SCSN
7669-1	The Standard at Royal Ln	The Standard at Royal Ln	Xpert Design and Construcion	2737 Royal Ln	2-weeks	12.8	NOI
7670-1	J.B. Hunt - Dallas TX	J.B. Hunt - Dallas TX	J.B. Hunt Transport, Inc.	3141 S Walton Walker Boulevard	2-weeks	22	NOI
7671-1	Cedar Ridge	Cedar Ridge	JPI Construction, LLC	NW of Cedar Ridge and Ridge Center Dr	2-weeks	21	NOI
7673-1	Home 2 Suites	Home 2 Suites	Countrywide Hospitality, LLC	2000 N Cockrell Hill Rd	Monthly	4.45	SCSN
7674-1	Pilgrims Pride Factory	Pilgrims Pride Factory	Greenrise Technologies, LLC	1900 S Cesar Chavez Blvd	2-weeks	1.1	LCSN_PO
7677-1	Lantower West Love	Lantower West Love	Oht Dfw Construction, LLC.	North of intersection of Forest Park Rd and Hawes Ave.	2-weeks	5	NOI
7679-1	Goodnight II	Goodnight II	McFadden and Miller, LTD.	2171 Manana Dr	2-weeks	13	NOI
7680-1	2525 Reagan St	Old Parkland East Campus	The Beck Group	NW Corner of Maple St and Reagan Ave	Monthly	2.5	SCSN
7682-1	The Parks Apartments	The Parks Apartments	Perry Guest Construction LLC	1407 N GARRETT AVE	Monthly	0.5	SCSN
7684-1	Lake Highlands Jr Hs	Lake Highlands Jr Hs	Cadence McShane Construction Company LLC	NORTHWEST OF WALNUT HILL LN & LYNBROOK DR DALLAS 75238	2-weeks	16.77	NOI



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SWMS_FILE	CONSTRUCTION_SITE_NAME	PROJECT_NAME	OPERATOR_NAME	ADDRESS/LOCATION	INSPECTION FREQUENCY	PERMIT ACRES DISTURBED	PERMIT TYPE
7689-1	Majestic Park	Majestic Park	OQ Homes Inc.	4483 Polk St	Monthly	3.5	SCSN
7690-1	Big D Pluto Plant	Big D Pluto Plant	Big D Concrete Inc.	3309 Pluto St	2-weeks	8	SHELL
7691-1	277k Levee Dallas Floodway	277k Levee Dallas Floodway	Southwest Valley Constructors Co.	Trinity River through Dallas	2-weeks	12	NOI
7693-1	South Westmoreland Rd	South Westmoreland Rd	Vescorp Construction LLC	NE of Blue Ridge Blvd and South Westmoreland Rd	Monthly	2	SHELL
7696-1	23Springs	23Springs	DPR Construction	Northwest corner of Cedar Springs and Maple Ave	Monthly	2.88	SCSN
7699-1	Main Replacement 21-049-050 Jordan Valley	Main Replacement 21-049-050 Jordan Valley	Ark Contracting Services LLC	Jordan Valley Rd and Middlefield Rd	Monthly	3	SCSN
7700-1	Main Replacment 21-049-050 Avalon Ave	Main Replacement 21-049-050 Avalon Ave	Ark Contracting Services LLC	Avalon Ave and Brendenwood Drive Multiple Alleys	Monthly	1.5	SCSN
7702-1	Old Gate Diceman Crossing	Old Gate Diceman Crossing	Brytar Companies	1600 OLD GATE RD	Monthly	1.79	SCSN
7705-1	Alamo Bishop Station Phase 2	Alamo Bishop Station Phase 2	Andres Construction Services, LLC	228 West 7th St	Monthly	1.77	SCSN
7708-1	Lincoln Katy Trail	Lincoln Katy Trail	LPC Contractors of Texas LLC	3215 Carlisle St	Monthly	3	SCSN
7709-1	238 Hillvale	238 Hillvale	Wendy Golson	238 Hillvale	Monthly	3	SCSN
7710-1	The Terrace at Southern Oaks	The Terrace at Southern Oaks	LDG Development, LLC	Southern Oaks Blvd and Tips Blvd	2-weeks	22	NOI

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SWMS_FILE	CONSTRUCTION_SITE_NAME	PROJECT_NAME	OPERATOR_NAME	ADDRESS/LOCATION	INSPECTION FREQUENCY	PERMIT ACRES DISTURBED	PERMIT TYPE
7712-1	Mayes on Corinth Addition	Mayes on Corinth Addition	KnowVest, Inc	952 S CORINTH ST RD	Monthly	5	SCSN
7716-1	Preston Place	Preston Place	The Hanover Company	6255 W Northwest Highway	Monthly	1.8	SCSN
7717-1	Demo of 7701 N Stemmons Fwy	Stemmons Multi-Family	Oht Dfw Construction, LLC	W of Stemmons Fry between Empire Central and Mockingbird Ln	2-weeks	12.6	NOI
7718-1	Oaklawn Place	Oaklawn Place	Spring Valley Construction Company	5723 Sadler Circle	Monthly	1.57	SCSN
7720-1	North End Demo, Wastewater, Storm Relocation	North End Demo, Wastewater, Storm Relocation	Balfour Beatty Construction, LLC	S of Intersection of Nowitzki Way and N Field St	2-weeks	11	NOI
7721-1	Demo of 1545 W Mockingbird Ln	1545 West Mockingbird Lane	Mockingbird Owner LP	1545 West Mockingbird Lane	2-weeks	7	NOI
7722-1	Still Water White Rock Trail	Still Water White Rock Trail	Stillwater Gc, LLC	9525 WHITE ROCK TRAIL	2-weeks	8.3	NOI
7723-1	The Central	The Central Slr	SLR Central Dallas Construction, LLC	2750 N HASKELL AVE	2-weeks	22	NOI
7723-2	The Central	The Central Triton	Triton GC, LLC	SE corner of Hwy 75 and Carroll Ave	2-weeks	22	NOI
7723-4	The Central	The Central Park Pavilions	Arch-Con Corporation	SE Corner of N. Carroll Ave. & US-75 Dallas, TX 75204	2-weeks	5	NOI
7724-1	Highpoint at Wynnewood	Highpoint at Wynnewood	Spring Valley Construction Company	1805 S Zang Blvd	2-weeks	8.77	SHELL

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SWMS_FILE	CONSTRUCTION_SITE_NAME	PROJECT_NAME	OPERATOR_NAME	ADDRESS/LOCATION	INSPECTION FREQUENCY	PERMIT ACRES DISTURBED	PERMIT TYPE
7726-1	Dowdy Ferry	Dowdy Ferry	Dallas Dowdy Partners LLC	1216 DOWDY FERRY RD	2-weeks	15	NOI
7727-1	Burchfield Dallas Executive Air	Burchfield Dallas Executive Air	A and F General Contractors, LLC	Southside of Dallas Executive Airport	2-weeks	7	NOI
7730-1	Mountain Creek	Mountain Creek	NRP Contractors LLC	4868 MERRIFIELD RD	2-weeks	32	NOI
7733-1	Knox Mixed Use	Knox Mixed Use	Balfour Beatty Construction, LLC	Southwest of Travis St and Knox St	2-weeks	4.5	NOI
7735-1	Bishop Canopy	Bishop Canopy	Rex Construction	515 W Tenth St.	Monthly	1.8	SCSN
7739-1	Chalk Hill Rd	Chalk Hill Rd	XIT Paving and Construction Inc.	IH30 to Singleton	2-weeks	12.7	NOI
7740-1	Paving and Drainage Improvements Canada Dr	Paving and Drainage Improvements Canada Dr	Tiseo Paving Co.	From Westmoreland Rd to N Hampton Rd and S Canada Dr from Calypso to Canada Dr E	2-weeks	13.5	NOI
7741-1	Melshire Park 5639 Forest Lane	Melshire Park 5639 Forest Lane	Eglington Development, Ltd.	5639 Forest Ln	Monthly	3.5	SCSN
7745-1	2800 Taylor Street	2800 Taylor Street	Andres Construction	2800 TAYLOR ST	Monthly	1.1	SCSN
7750-1	Modera The Trailhead	Modera The Trailhead	MCRT North Texas Construction, LLC	7522 EAST GRAND AVE	Monthly	3.8	SCSN
7751-1	DWU Major Rehabilitation Raw Water Facilities	DWU Major Rehabilitation Raw Water Facilities	Archer Western Construction LLC	314 GLORIA RD	2-weeks	7	LCSN_PO
7752-1	Wellmed Lake June Road	Wellmed Lake June Road	Integra Premier Construction	SEC of Lake June Road and Franwood Dr	Monthly	1	SCSN
7754-1	Lawnview Industrial	Lawnview Industrial	McFadden & Miller LTD	5323 LAWNVIEW AVE	2-weeks	10	NOI
7756-1	ALTA Park Central	ALTA Park Central	Park Central Builders LLC	South side of Bay Dr .1 miles west of Merit Dr	Monthly	5.5	NOI

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SWMS_FILE	CONSTRUCTION_SITE_NAME	PROJECT_NAME	OPERATOR_NAME	ADDRESS/LOCATION	INSPECTION FREQUENCY	PERMIT ACRES DISTURBED	PERMIT TYPE
7759-1	The Bottom Phase II	The Bottom Phase II	Camino Construction, LLC	Cleves, Hart and Sparks, SW of the Trinity River and Ne of Hutchins and I35E	Monthly	3	SCSN
7760-1	Sereno Oaks	Sereno Oaks	Willow-Timberlawn LLC	southeast corner of Grove Hill Rd and Samuell Blvd	2-weeks	10	NOI
7765-1	Coombs Creek Trail Extension	Coombs Creek Trail Extension	RoeschCo Construction, LLC	Kessler Pkwy between I30 Frontage Rd, Junior Dr and N Beckley Ave	Monthly	5	SCSN
7766-1	Bushman ES Demolition	Albert C Black Elementary School	Construction Zone of Texas LLC	4200 BONNIE VIEW RD	2-weeks	10.3	NOI
7767-1	Presley Residence	Presley Residence	Sustainable Structures of Texas	4039 DALGREEN DR	Monthly	2	SCSN
7768-1	2811 Maple Avenue	2811 Maple Avenue	Balfour Beatty Construction	2811 MAPLE AVE	Monthly	1	SCSN
7774-1	Turtle Creek Multifamily	Turtle Creek Multifamily	Hanover RS Construction	2525 Turtle Creek Blvd	Monthly	4.5	SCSN
7775-1	The Ivy	The Ivy	Woods Capital Management LLC	5025 N US 75 Central Expy 1000	Monthly	1.77	SCSN
7776-1	Montfort Dr Paving and Drainage Improvements	Montfort Dr Paving and Drainage Improvements	Vescorp Construction, LLC	Southeast of Montfort Dr and Alpha Dr	Monthly	1.85	SCSN
7777-1	Lenore Kirk Hall Personalized Learning Academy	Lenore Kirk Hall Personalized Learning Academy	Ratcliff Constructors, LP	2120 Keats Dr	2-weeks	6	NOI
7778-1	Street Reconstruction Group 12-463	Street Reconstruction Group 12-463	DDM Construction Corp	Maple Ave from 800 ft S of Mockingbird Ln to Mockingbird Ln	Monthly	1	SCSN
7779-1	Marsh Lane Retail	Marsh Lane Retail	Lee Lewis Construction, Inc.	10031 Marsh Lane	Monthly	2.15	SHELL
7780-1	Bluffview Apartments Dallas	Bluffview Apartments Dallas	Crimson Building Company, LLC	NWC of El Centro Dr and Bolivar Dr	Monthly	1.4	SCSN
7781-1	Riverfront and Cadiz - City of Dallas	Riverfront and Cadiz - City of Dallas	Ragle, Inc.	S Riverfront Blvd, where ponds 4-5, 6-7 connect; Cadiz, where ponds 3-4 connect	2-weeks	6.1	NOI

**Table A-1: PY5 Active Construction Sites**

SWMS_FILE	CONSTRUCTION_SITE_NAME	PROJECT_NAME	OPERATOR_NAME	ADDRESS/LOCATION	INSPECTION FREQUENCY	PERMIT ACRES DISTURBED	PERMIT TYPE
7784-1	Water and Wastewater Main Replacements Contract 21-341-342	Water and Wastewater Main Replacements Contract 21-341-342	Douglas Dailey Construction, LLC	Luna Rd from Northwest Hwy to Royal Ln	Monthly	2.58	SHELL
7784-2	Water and Wastewater Main Replacements Contract 21-341-342	Water and Wastewater Main Replacements Contract 21-341-342	Douglas Dailey Construction, LLC	Ninth St, Jefferson Blvd, Ravinia Dr and Easement east of Cliffdale Ave	Monthly	1.36	SHELL
7785-1	Geneva Heights ES	Geneva Heights ES	Ratcliff Constructors PL	2911 DELMAR AVE	Monthly	2	SCSN
7789-1	The Elms	The Elms	Crimson Builders	1710 MORRELL AVE	Monthly	3.5	SCSN
7792-1	900 E Colorado Blvd	900 E Colorado Blvd	Rogers-O'Brien Construction	900 E Colorado Blvd	Monthly	1.9	SCSN
7793-1	Water Delivery Service Center	Water Delivery Service Center	Tegrity Contractors, Inc	4120 SCOTTSDALE DR	2-weeks	7.8	NOI
7794-1	UME Preparatory Academy	UME Preparatory Academy	Novel Builders, LLC	3838 Spur 408	Monthly	28.26	SCSN
7797-1	Dallas County EOC	Dallas County EOC	Azteca Enterprise, Inc.	1010 W Mockingbird Ln	Monthly	3	SCSN
7798-1	Frito-Lay DSC Traffic Center	Frito-Lay DSC Traffic Center	Frito-Lay, Inc.	3430 Duncanville Rd	2-weeks	6.46	NOI
7799-1	Pegasus Park Buildings 2 and 3	Pegasus Park Buildings 2 and 3	Swinerton	SWC of Commonwealth Dr and Stemmons Frwy	Monthly	2	SCSN
7800-1	Herbert Marcus Leadership Academy	Herbert Marcus Leadership Academy	Sedalco, Inc.	Northeast of Northaven Rd and Dennis Rd	2-weeks	9	NOI
7801-1	Street Reconstruction Group 17-8002	PB17V214 South Murdeaux	Estrada Concrete Company LLC	South Murdeaux Lane From Great Trinity Forest Way to Olusta Dr	Monthly	1.58	SCSN
7801-2	Street Reconstruction Group 17-8002	PB17V212 Myers Circle	Estrada Concrete Company LLC	Myers Circle From Myers Circle to Elam Road	Monthly	2	SCSN
7802-1	Raising Cane's 1039	Raising Cane's 1039	Embree Construction Group, Inc.	SEC of Hampton Rd and W Ledbetter Dr.	Monthly	1.36	SCSN
7803-1	West Commerce Office	West Commerce Office	Bratjen Construction Company	2470 West Commerce St	Monthly	3	SCSN
7804-1	Demo of 2420 Butler St	Demo of 2420 Butler St	GCC Enterprises Inc	2420 Butler St	Monthly	3	SHELL
7805-1	George Peabody Elementary School	George Peabody Elementary School	Reeder General Contractors, Inc	3101 RAYDELL PL	Monthly	3	SCSN

**Table A-1: PY5 Active Construction Sites**

SWMS_FILE	CONSTRUCTION_SITE_NAME	PROJECT_NAME	OPERATOR_NAME	ADDRESS/LOCATION	INSPECTION FREQUENCY	PERMIT ACRES DISTURBED	PERMIT TYPE
7807-1	Hall St Reconstruction Group 17-1409	Hall St Reconstruction Group 17-1409	Estrada Concrete Company, LLC	Hall Street From Cochran Street to Munger Avenue	Monthly	1.83	SCSN
7808-1	Erosion Control at Various Locations - Phase 2	Erosion Control at Various Locations - Phase 2	Ark Contracting Services, LLC	17490 Meandering Way	Monthly	2	SHELL
7809-1	Greenville Heights	Greenville Heights	CND - Greenville Heights LLC	NW of Greenville Ave and Old Greenville Ave	Monthly	3	SCSN
7810-1	The Juniper	The Juniper	Larkspur Capital LP	4003 COMMERCE ST	Monthly	1.5	SCSN
7811-1	Atmos Energy Santa Barbara	Atmos Energy Santa Barbara	Atmos Energy Corporation	Santa Barbara Dr and Lyre Lane	Monthly	3	SCSN
7812-1	NIT Industrial Cedar Ranch	NIT Industrial Cedar Ranch	Locus Construction LLC	6850 Cedar Ranch Drive	Monthly	4.8	SCSN
7813-1	The Terrace at Highland Hills	The Terrace at Highland Hills	Xpert Design And Construction, LLC	3100 PERSIMMON RD	2-weeks	23	NOI
7815-1	1501 Riverwood	1501 Riverwood	1201 Riverwood Trust	1501 Riverwood	2-weeks	30	SHELL
7818-1	Bluffview Highline	Bluffview Highline	UG Construction, LLC	Southeast Quadrant of Northwest Hwy and Lemmon Ave	Monthly	1	SCSN
7819-1	Silo Concert and Event Center	Silo Concert and Event Center	Silo Management Group, LLC	1340 Manufacturing St.	Monthly	2.07	SHELL
7820-1	Parkside Tower	Parkside Tower	Austin Commercial, LP dba Austin Comm Services, LP	NWC of N Harwood St and Woodall Rodgers Freeway	Monthly	1.13	SCSN
7821-1	Wheatland Park Football Complex	Wheatland Park Football Complex	North Rock Construction, LLC	N of W Wheatland Rd and Indian Ridge Trail	2-weeks	6.64	NOI
7822-1	Bachman Lake Skate Park	Bachman Lake Skate Park	J.B. and Co. LLC	2530 Webb Chapel Ext	Monthly	1.5	SCSN
7829-1	Courtyard and Residence Inn Hotels	Courtyard and Residence Inn Hotels	Soma Construction	1803 and 1805 W Mockingbird Ln	Monthly	3.65	SHELL
7830-1	Chick-fil-A 5286	Chcik-fil-A Dallas 5286	Jerry Kachel Builder, Inc.	4860 Harry Hines Blvd.	Monthly	1.4	SHELL
7832-1	Wynnewood Village Shopping Center	Wynnewood Village Shopping Center	VCC Construction	655 West Illinois Street	2-weeks	65.6	NOI

**Table A-1: PY5 Active Construction Sites**

SWMS_FILE	CONSTRUCTION_SITE_NAME	PROJECT_NAME	OPERATOR_NAME	ADDRESS/LOCATION	INSPECTION FREQUENCY	PERMIT ACRES DISTURBED	PERMIT TYPE
7833-1	White Rock Trail Addition	White Rock Trail Addition	Forestar (USA) Real Estate Group Inc.	Walnut Hill Ln and White Rock Trl	Monthly	3	NOI
7834-1	North Munger St Recon Group 17-1410	North Munger St Recon Group 17-1410	Estrada Concrete Company, LLC	North Munger Blvd from Gaston Ave to Tremont St	Monthly	2.5	SCSN
7835-1	Central WWTPP Headworks & Primary Clarifiers	Central WWTPP Headworks & Primary Clarifiers	Bar Constructors, Inc.	1020 SARGENT RD	2-weeks	90	NOI
7837-1	Bonton Farms Health & Wellness Center	Bonton Farms Health & Wellness Center	City Build	South of Wells Street & Carlton Garrett Street	Monthly	1	SCSN
7838-1	Cedars Townhomes	Cedars Townhomes	Acadian Builders Group LLC	SE corner of Wall St and Corinth St	2-weeks	6.87	NOI
7839-1	4700 W Davis St	4700 W Davis St	Ibarras Excavation	4700 W Davis St	Monthly	4	SHELL
7840-1	Home Depot Parking Expansion	Home Depot Parking Expansion	Arco National Construction, LLC	9186 S Hampton Rd	2-weeks	6.5	NOI
7841-1	SEFI Dallas Dock Expansion	SEFL Dallas Dock Expansion	Schwob Building Company, LLC	NEC of Intsct of Irving Blvd and Norwood Rd	2-weeks	42	NOI
7843-1	Paving and Drainage Improvements SRG 17-6007	Paving and Drainage Improvements SRG 17-6007	Camino Construction, L.P.	Shaw St from Navarro St to Hartson St	Monthly	1.25	SCSN
7844-1	Henry W Longfellow Replacement CEA	Henry W Longfellow Replacement CEA	Cadence McShane Construction Company LLC	Southeast of Boaz St and Inwood Rd	2-weeks	8.8	NOI
7847-1	Microtel	Microtel	Soma Construction	8630 E R L THORNTON FRW	Monthly	2	SCSN

**Table A-1: PY5 Active Construction Sites**

SWMS_FILE	CONSTRUCTION_SITE_NAME	PROJECT_NAME	OPERATOR_NAME	ADDRESS/LOCATION	INSPECTION FREQUENCY	PERMIT ACRES DISTURBED	PERMIT TYPE
7849-1	The Hayden	The Hayden	Nrp Construction LLC	10715 GARLAND RD	2-weeks	7.5	NOI
7850-1	Diceman Complex Addition	Diceman Complex Addition	Pegaso California Construction Corp	1318 DICEMAN AVE	Monthly	0.5	SCSN
7851-1	Baylor Scott & White Surgicare	Baylor Scott & White Surgicare	AP Gulf States, Inc., dba Adolfson & Peterson Construction	4020 JUNIUS ST	Monthly	1	SCSN
7852-1	Best Western Plus Hotel	Best Western Plus Hotel	J D Design & Developers	8411 E R L THORNTON FWY	Monthly	1	SCSN
7854-1	Jaipur Lofts	Jaipur Lofts	Maker Bros, LLC	2102 ANNEX AVE	Monthly	1.39	SCSN
7855-1	DISD John Lewis Social Justice Academy	DISD John Lewis Social Justice Academy	HCBeck, Ltd	Southeast of Sutter St & Kellogg Ave	2-weeks	20	NOI
7856-1	Witt Road Expansion	Witt Road Expansion	Hutchinson Construction Company Inc	Witt Road and Lancaster Hutchins Road	2-weeks	5.31	NOI
7858-1	Estates at Ferguson	Estates at Ferguson	Watermark Commercial Contractors LLC	9220 FERGUSON RD	2-weeks	0.2	NOI
7859-1	Champions Real Estate School	Champions Real Estate School	SMITH SPECIALTY CONTRACTORS INC	Northeast of Frankford Rd & Highland Springs	Monthly	2.98	NOI
7861-1	Convey Industrial	Convey Industrial	The Ridgemont Company	Security Dr and Conveyor Ln	2-weeks	20	SHELL
7862-1	YMCA Park South	YMCA Park South	Texas WestWind Building Corp	2500 ROMINE AVE	Monthly	7	SCSN



**Table A-1: PY5 Active Construction Sites**

SWMS_FILE	CONSTRUCTION_SITE_NAME	PROJECT_NAME	OPERATOR_NAME	ADDRESS/LOCATION	INSPECTION FREQUENCY	PERMIT ACRES DISTURBED	PERMIT TYPE
7863-2	Canyon MF Phase 1	Canyon - Multifamily	Lennar Homes of Texas Land and Construction, Ltd.	West Intersection of W Colorado Blvd and Cyn Blf Blvd	2-weeks	44.83	NOI
7864-1	Career Institute South	Career Institute South	Ratcliff Constructors, L.P.	4949 Village Fair Dr.	2-weeks	5.7	NOI
7865-1	Singleton Highline	Singleton Highline	UG Construction LP	2901 Borger St	Monthly	2.1	SCSN
7868-1	DISD MLK Arts Academy	DISD MLK Arts Academy	TM Source Building Group Inc	South of Pennsylvania Ave and S Harwood St	Monthly	4.5	SCSN
7869-1	Judge Charles R. Rose Park	Judge Charles R. Rose Park	Gilbert May Inc. dba Phillips/May Corporation	0.19 Miles Southwest from the BonnieView Rd. and Simpson Stuart Rd	2-weeks	9	NOI
7870-1	Skyline at Cedar Crest Addition North	Skyline at Cedar Crest Addition North	Nations Construction, LLC	2820 E KIEST BLVD	Monthly	3.32	SCSN
7871-1	Street Reconstruction Group 12-633	Street Reconstruction Group 12-633	Estrada Concrete Company, LLC	Ledbetter Drive East & Kolloch Drive to Mayforge Drive & LeForge Ave	Monthly	1.83	SCSN
7872-1	The Marcus	The Marcus	Mid Ervay, LLC	NEC S Ervay St & Lear St	2-weeks	2	NOI
7873-1	Trinity Basin Preparatory Tyler St Campus Addition	Trinity Basin Preparatory Tyler St Campus Addition	Butler Cohen LLC	915 W. 9th Street	Monthly	3.96	SHELL
7874-1	Metrocare Hillside Campus	Metrocare Hillside Campus	The Whiting Turner Contracting Company	W. of N. Westmoreland Rd and Remond Dr	2-weeks	5	NOI
7875-1	Oncor Floyd Branch Substation	Oncor Floyd Branch Substation	Oncor	3400 CEDARDALE RD	Monthly	5.1	SCSN
7876-1	Wastewater Main Design 22-499-500	Wastewater Main Design 22-499-500	Western Municipal Construction of Texas, LLC	Pemberton Hill Road - CF Hawn Serv - Lake June Place - Lake June Rd	Monthly	1.16	SCSN
7879-1	Oak Bishop Arts 8th Street	Oak Bishop Arts 8th Street	Rampart Multifamily, LLC	Northwest of Melba St and North Adams Ave	Monthly	2.6	SCSN
7880-1	Camp Wisdom Road	Camp Wisdom Road	Ed Bell Construction Company	From FM 1382 to Mountain Creek Parkway	2-weeks	6.6	NOI
7881-1	Joppa Area Street Improvements	Joppa Area Street Improvements	Estrada Concrete Company, LLC	Stokes St From Hull Ave to the end.Linfield Rd to Burma Rd	Monthly	2	SCSN
7883-1	Street Recon Group 17-1103	Street Recon Group 17-1103	Aushill Construction, LLC	Blossomheath Lane from LBJ Service Road N to Alpha Road	Monthly	1	SCSN

**Table A-1: PY5 Active Construction Sites**

SWMS_FILE	CONSTRUCTION_SITE_NAME	PROJECT_NAME	OPERATOR_NAME	ADDRESS/LOCATION	INSPECTION FREQUENCY	PERMIT ACRES DISTURBED	PERMIT TYPE
7884-1	City of Dallas Southside WWTP	City of Dallas Southside WWTP	Crescent Constructors, Inc.	11001 LOG CABIN RD	2-weeks	14	NOI
7885-1	BSL3 Lab Building	BSL3 Lab Building	Beck Group Holdings, LLC	1420 W Mockingbird Ln Lot 2A	2-weeks	5	NOI
7886-1	Reverchon Baseball Park	Reverchon Baseball Park	Azteca Enterprises, LLC	3505 Maple Ave	Monthly	3.38	SCSN
7887-1	St. Mark's Athletic Center	St. Mark's Athletic Center	HCBeck, Ltd.	10600 PRESTON RD	2-weeks	8.16	NOI
7888-1	St. Philip's Performing Arts Addition	St. Philip's Performing Arts Addition	MAPP, LLC	1600 PENNSYLVANIA AVE	Monthly	2	SCSN
7890-1	Bachman Dam and Spillway Repairs	Bachman Dam and Spillway Repairs	Rebcon, LLC	9545 Denton Dr	2-weeks	14.8	NOI
7891-1	Hernandez-Prado Addition	Hernandez-Prado Addition (7891-1)	Proficient Custom Homes LLC	12004 GARDEN GROVE DR	Monthly	0.5	SCSN
7892-1	Water and Wastewater Main Replacement Contract 22-331 332	Water and Wastewater Main Replacement Contract 22-331 332	Muniz Construction	Cedar Hill Ave from Fouraker St to Neches St	Monthly	1.2	SHELL
7893-1	Harry Hines Shared Use Path	Harry Hines Shared Use Path	Northstar Construction, LLC.	Along Harry Hines from Manana south to Webb Chapel Extension	2-weeks	7.7	NOI
7895-1	Medical District PK-8 STEM School Phase 2	Medical District PK-8 STEM School Phase 2	Reeder General Contractors, Inc.	6516 Forest Park Rd	Monthly	2.53	SHELL
7896-1	Twelfth Step Ministry - Centre for Spiritual Development	Twelfth Step Ministry - Centre for Spiritual Development	Hill and Wilkinson Construction Group, Ltd.	5324 Northwest Highway	Monthly	2.82	SCSN
7898-1	Atkore Storage Area	Atkore Storage Area	Skanska USA Building	4949 Joseph Hardin Dr	2-weeks	5	SHELL
7901-1	The Ambassador	The Ambassador	OHT DFW Construction, LLC	Ervay St and South St Paul St.	Monthly	2.96	SCSN
7902-1	Commerce Street Paving and Drainage	Commerce Street Paving and Drainage(7902-1)	Rebcon LLC	Commerce St from Good Latimer Expy to Exposition Ave	2-weeks	10	NOI
7903-1	DWU Main Replacements 22-423-424	DWU Main Replacements 22-423-424(7903-1)	Douglas Dailey Construction LLC	Piedmont Dr from Jim Miller Rd to Ravehill Lane	Monthly	4	SCSN

**Table A-1: PY5 Active Construction Sites**

SWMS_FILE	CONSTRUCTION_SITE_NAME	PROJECT_NAME	OPERATOR_NAME	ADDRESS/LOCATION	INSPECTION FREQUENCY	PERMIT ACRES DISTURBED	PERMIT TYPE
7905-1	Forest Theater Renovation	Forest Theater Renovation (7905-1)	Linbeck Group LLC	1918 MARTIN LUTHER KING BLVD	Monthly	1.63	SCSN
7906-1	Nexus Recovery Center	Nexus Recovery Center(7906-1)	MAPP LLC dba MAPP Commercial LLC	Southeast of Shiloh Road & Blyth Drive	Monthly	1.5	SCSN
7907-1	Kramer Es Addition & Renovation	Kramer Es Addition & Renovation(7907-1)	Tm Source Building Group Incorporated	Northeast of Midbury Dr & St Judes Dr	2-weeks	10	NOI
7908-1	ComTrans Addition	ComTrans Addition	Schwob Building Company, LLC	NEC of E State Hwy 356 and Norwood Rd	2-weeks	39.63	NOI
7909-1	TXDOT DAL 1047 03 079 FM 1382	FM 1382 State Highway Improvements	Reyes Group Ltd	FM 1382 - Camp Wisdom to Mansfield Road	2-weeks	5.43	SHELL
7910-1	Uplift Hampton Renovation	Uplift Hampton Renovation	Tegrity Contractors, Inc.	Southwest of Beckleymeade Ave and Hampton Rd	2-weeks	12.08	NOI
7911-1	Northpoint Campus	Northpoint Campus(7911-1)	Haney Construction, Inc.	Northeast corner of I.H. 635 and Greenville Avenue	2-weeks	5	LCSN_SO
7911-3	Northpoint Campus	Panda Express (7911-3)	Van Brunt & Company LLC	SE corner of IH 635 and Greenville Ave	2-weeks	1	SCSN
7912-1	Dallas County IH 45 Newton Creek	Dallas County IH 45 Newton Creek(7912-1)	Beck Reit & Sons LTD	IH 45 at Newton Creek	Monthly	2	SCSN
7913-1	Swan Lake	Swan Lake (7913-1)	RPM xConstruction, LLC	Northwest of Swan Lake & Forest Ln	2-weeks	2	NOI
7916-1	3828 Alta Vista Ln	3828 Alta Vista Ln	Thomas Wang	3828 Alta Vista Ln	Monthly	0.5	NONE
7917-1	Cypress Creek Apartments at Montfort Drive	Cypress Creek Apartments at Montfort Drive	Moss and Associates, LLC	14119 Montfort Drive	Monthly	3.8	SCSN
7920-1	Sprouts 164 Hampton Village	Sprouts 164 Hampton Village	Ridgemont Commercial Construction	1322 N Hampton Rd	Monthly	4.26	SHELL
7922-1	EL DeGolyer ES	EL DeGolyer ES	Northridge Construction Group	3453 Flair Dr	Monthly	7.5	SHELL
7926-1	Cardinal Hills - Land Development	Cardinal Hills - Land Development	Forestar USA Real Estate Group Inc.	West of the Intersection of S Westmoreland Road and Watership Ln	2-weeks	11	NOI

**Table A-2: PY 5 SARA-313 Facilities**

File	Operator	Address	Primary SIC	TCEQ Sector	Is SARA313	High Risk
69	A & B Aluminum & Brass Foundry	11165 Denton Dr	3366	F	YES	YES
886	The Coca-Cola Company	6445 Lemmon Ave	2086	U	YES	YES
920	CMC Rebar	4846 Singleton Blvd	3441	AA	YES	YES
1047	Redi-Mix, LLC	2624 Joe Field Rd	3273	E	YES	YES
1081	DAP Inc	13555 Jupiter Rd	2891	C	YES	YES
1095	D R S Infared Technologies	13532 N Central Expy	3827	AC	YES	YES
1526	First Operations	8273 Moberly	3585	AB	YES	YES
1613	G A F Materials Corp	2600 Singleton Blvd	2952	D	YES	YES
1654	Genlyte Et Varilite LLC	10911 Petal	3648	AC	YES	YES
1831	Hensley Industries Inc	2108 Joe Field Rd	3325	F	YES	YES
1844	High Voltage Supply Inc	9011 Governors Row	3699	AC	YES	YES
1881	Oldcastle Lawn & Garden, Inc.	4930 River Oaks Rd	2499	A	YES	YES
2222	Lattimore Materials Inc	10361 Bickham # A	3273	E	YES	YES
2400	Martin Sprocket & Gear Co Inc	2944 Oak Ln	3568	AB	YES	YES
2410	Master-Halco Inc	8431 Hoyle Ave	3496	F	YES	YES
2517	New Dairy Texas, LLC	5327 Botham Jean Blvd	2024	U	YES	YES
2571	Motiva Enterprises	3900 Singleton Blvd	5171	P	YES	YES
2846	Pierce Chemicals Royal Bond	4722 Bronze Way	2869	C	YES	YES
3080	Raytheon Company	6000 Lemmon Ave	3499	AA	YES	YES
3081	Raytheon Systems Co	13510 N Central Expy	3679	AC	YES	YES
3151	WestRock Converting Company	1100 E Clarendon Dr	2631	B	YES	YES
3545	T X I Cement Treated Base	10615 Spangler	3273	E	YES	YES
3622	TXI Spangler Rd Ready Mix	10610 Spangler Rd	3273	E	YES	YES
3625	Texas Industries Inc	580 N Corinth St	3273	E	YES	YES
3801	U S Gypsum Co	255 Regal Row	2891	C	YES	YES

**Table A-2: PY 5 SARA-313 Facilities**

File	Operator	Address	Primary SIC	TCEQ Sector	Is SARA313	High Risk
3976	Wellmark International	12111 Ford Rd	2879	C	YES	YES
5057	Harcros Chemicals Inc	2627 Weir St	4225	P	YES	YES
5094	Air Liquide Electronics U.S. L .P.	13546 N Central Expressway	5169		YES	YES
5110	ROYAL CHEMICAL CO	2851 REWARD LN	2841	C	YES	YES
5143	Texas Materials Group, Inc	4525 Leston St	1611	D	YES	YES
5146	Univar Solutions US Inc	10889 Bekay St	5169	N/A	YES	YES
5313	EMF Company	106 Regal Row	3499	AA	YES	YES
5436	Best Block Dallas Chalk Hill Plant DALB1950	2202 Chalk Hill Rd	3271	E	YES	YES
5457	Texas Instruments	13500 N Central Expressway	3674	AC	YES	YES
5702	Future Foam, Inc.	2809 Doric Cir	3086	Y	YES	YES
6219	Overwraps Packaging Inc	3950 La Reunion Pkwy	3089	X	YES	YES
7275	Redi-Mix Concrete North Dallas	11080 Luna Rd	3273	E	YES	YES
7366	American Woodwork - Kiest	5800 West Kiest Blvd.	2434	W	YES	YES
7527	Holcim - SOR, Inc.	1005 Forest Avenue	3272	E	YES	YES
8786	WhiteWave Foods	3333 Dan Morton Dr	2026	U	YES	YES
8926	Thermal Solutions	3051 W. Commerce St	3714	AB	YES	YES
9227	Redi-Mix LLC/Vulcan Materials Co	3301 National St	3273	E	YES	YES
9247	Kelvion	4020 La Reunion Pkwy # 110	3714	AB	YES	YES
9608	Arrow Magnolia International	2646 Rodney Ln	2841	C	YES	YES
10476	Bostik, Inc.	5111 Catron Dr	2891	C	YES	YES
11666	Versum Materials	8201 S. Central Expy	2813	C	YES	YES
12256	HEMPEL USA DALLAS	2728 EMPIRE CENTRAL	2851	C	YES	YES
12403	ACME BRICK FEATHERLITE DALLAS BLOCK PLANT	3815 SINGLETON BLVD	3271	E	YES	YES
12436	South Belt Line Concrete Batch Plant	2861 S BELT LINE RD	3273	E	YES	YES
12510	Dallas Plant	2900 W Commerce St	3273	E	YES	YES

**Table A-2: PY 5 SARA-313 Facilities**

File	Operator	Address	Primary SIC	TCEQ Sector	Is SARA313	High Risk
12520	Highline Warren	3851 Pipestone Rd	2899	C	YES	YES
12522	First Operations, LP	8550 Eastpoint Dr.	3585	AB	YES	YES
12547	Hiland Dairy Foods Company LLC	5327 Botham Jean Blvd	2026	U	YES	YES
12589	Martin Marietta Texas Ready-Mix, LLC	580 N. Corinth St.	3273	E	YES	YES
12605	Global Companies - Dallas Terminal	3900 Singleton Blvd	5171	P	YES	NO
12606	Hines Nut Company	9012 Chancellor Row	2068	U	YES	NO
12612	Smyrna Ready Mix Concrete, LLC	3301 National St	3272	E	YES	YES

**Table A-3: PY5 High Risk Facilities**

File	Operator	Address	Primary SIC	TCEQ Sector	Is SARA313	High Risk
41	Southwest Airlines Co	2702 Love Field	4512	S	NO	YES
69	A & B Aluminum & Brass Foundry	11165 Denton Dr	3366	F	YES	YES
84	A 1 Rylie Auto Parts	1115 Ellenwood	5015	M	NO	YES
93	Natrod Ltd	3610 Bedford	5015	M	NO	YES
106	A J R Metal Works	2825 Reward Ln	3471	AA	NO	YES
150	Ace Iron & Metal Co	4603 Irving Blvd	5093	N	NO	YES
179	Advanced Waterjet Cutting Inc	2825 Reward Ln	3599	AB	NO	YES
211	Air Liquide America LP	13140 Ti Blvd	2813	C	NO	YES
265	Allied Construction Supplies	2624 Norwich	3272	E	NO	YES
392	Arcadia Auto Parts	5401 W Jefferson Blvd	5015	M	NO	YES
447	Gamtex Industries LP	2209 S Riverfront Blvd	5093	N	NO	YES
451	Atomic Auto Parts	3738 Singleton Blvd	5015	M	NO	YES
455	Atrium Windows & Doors	9001 Ambassador Row	3442	AA	NO	YES
464	Rodriguez Auto City Salvage, Inc.	13815 Skyfrost Dr	5015	M	NO	YES
492	B & B Auto Salvage	9701 S Central Expy # 310	5015	M	NO	YES
495	B & B Ornamental Iron Co Inc	1760 W NW Hwy	3446	AA	NO	YES
504	B C W Food Products Inc	6000 Denton Dr	2045	U	NO	YES
602	Big D Metalworks	2002 Quincy St	3444	AA	NO	YES
649	Bratton Steel Inc	10733 Newkirk	3441	AA	NO	YES
655	Bridgford Foods Corp	9001 Chancellor Row	2038	U	NO	YES
656	Bridgford Industries Inc	1707 S Good Latimer Expy	2051	U	NO	YES
679	Buckley Oil Co	1809 Rock Island St	5171	P	YES	YES
699	Triple A Auto Recycling, Inc.	1753 S Belt Line Rd	5015	M	NO	YES
705	C & L Foods Inc	1802 E Levee St	2015	U	NO	YES
792	Champion Waste Services Ltd	2400 Vinson	4953	K L	NO	YES

**Table A-3: PY5 High Risk Facilities**

File	Operator	Address	Primary SIC	TCEQ Sector	Is SARA313	High Risk
797	Chaparral Welding & Fabctn	2453 Merrell Rd	1761	AA	NO	YES
886	Coca Cola Fountain Dallas Syrup Branch	6445 Lemmon Ave	2086	U	NO	YES
904	Collins Concrete Inc	12650 Ravenview	3273	E	NO	YES
917	Commercial Metals Co	2215 S Good Latimer Expy	5093	N	NO	YES
919	Commercial Metals Co Inc	1729 N Westmoreland Rd	5093	N	NO	YES
920	CMC Rebar	4846 Singleton Blvd	3441	AA	YES	YES
925	Community Waste Disposal	2010 California Crossing Rd	5093	K L	NO	YES
933	Computer Environments Inc	1616 John West Rd	3643	AC	NO	YES
957	Contractors Iron & Steel Co	2601 N Beckley Ave	3441	AA	NO	YES
1047	Redi-Mix, LLC	2624 Joe Field Rd	3273	E	YES	YES
1050	Custom Manufacturing Co Inc	5501 S Lamar St	3444	AA	NO	YES
1081	D A P Inc	13555 Jupiter Rd	2891	C	YES	YES
1095	D R S Infared Technologies	13532 N Central Expy	3827	AC	YES	YES
1114	Dallas Cast Stone Co	4107 Hancock	3272	E	NO	YES
1136	Dallas Gourmet Bakery Inc	2660 Brenner Dr	2051	U	NO	YES
1164	Dallas Tortilla & Tamale Fctry	309 N Marsalis	2099	U	NO	YES
1168	Dallas USA Foods Inc	1880 Lone Star Dr	2015	U	YES	YES
1185	Darling International Inc	1240 Sargent Rd	2077	U	NO	YES
1201	Davis Metal Stamping Co Inc	620 Fabrication	3469	AA	NO	YES
1413	Enterprise Concrete Products	4040 Singleton Blvd	3272	E	NO	YES
1526	First Operations	8273 Moberly	3585	AB	YES	YES
1613	G A F Materials Corp	2600 Singleton Blvd	2952	D	YES	YES
1654	Genlyte Et Varilite LLC	10911 Petal	3648	AC	YES	YES
1694	Gold Metal Recycler Ltd	4305 S Lamar	5093	N	NO	YES
1755	Gulfstream Aerospace Corp	7440 Aviation Pl	3721	AB	NO	YES



**Table A-3: PY5 High Risk Facilities**

File	Operator	Address	Primary SIC	TCEQ Sector	Is SARA313	High Risk
1809	Hawn Freeway Auto Salvage	10505 C F Hawn Fwy	5015	M	NO	YES
1831	Hensley Industries Inc	2108 Joe Field Rd	3325	F	YES	YES
1844	High Voltage Supply Inc	9011 Governors Row	3699	AC	YES	YES
1881	Oldcastle Lawn & Garden, Inc.	4930 River Oaks Rd	2499	A	YES	YES
1980	Interstate Threaded Products	2200 Singleton Blvd	3312	F	NO	YES
2012	J B C Steel Products LLC	10904 Sanden # 102	3441	AB	NO	YES
2035	Jacobs Iron Metal Co Inc	3330 Pluto	5093	N	NO	YES
2222	Lattimore Materials Inc	10361 Bickham # A	3273	E	YES	YES
2243	Letco Group The, LP	1901 California Xing	2875	C	NO	YES
2319	M & H Metal Specialties Inc	5711 W Ledbetter Dr	3441	AA	NO	YES
2400	Martin Sprocket & Gear Co Inc	2944 Oak Ln	3568	AB	YES	YES
2410	Master-Halco Inc	8431 Hoyle Ave	3496	F	YES	YES
2509	Midwest Engine	3502 E Kiest	5015	M	NO	YES
2517	New Dairy Texas, LLC	5327 S Lamar St	2024	U	YES	YES
2571	Motiva Enterprises	3900 Singleton Blvd	5171	P	YES	YES
2644	Newcomb Spring Co Of Texas Inc	2831 Satsuma	3493	AA	NO	YES
2700	Occidental Chemical Corp	1100 Lenway	2899	C	NO	YES
2711	Okon Metals Inc	2001 S Industrial Blvd	5093	N	NO	YES
2740	Osborns Foreign & Amer Autos	10701 C F Hawn Fwy	5015	M	NO	YES
2818	Perez Used Cars	8601 S Central Expy	5015	M	NO	YES
2834	Pettigrew Custom Iron & Mtl Co	7301 Hines Pl	3446	AA	NO	YES
2846	Pierce Chemicals Royal Bond	4722 Bronze Way	2869	C	YES	YES
2854	Pioneer Paper Stock	5000 Singleton Blvd	5093	N	NO	YES
3015	Quality Sausage Co Inc	1925 Lone Star Dr	2013	U	NO	YES
3059	Ragsdale Sheet Metal Co Inc,E	1746 Rhome	3444	AA	NO	YES

**Table A-3: PY5 High Risk Facilities**

File	Operator	Address	Primary SIC	TCEQ Sector	Is SARA313	High Risk
3060	Rainbow Building Systems	3420 Singleton Blvd	3441	AA	NO	YES
3080	Raytheon Company	6000 Lemmon Ave	3499	AA	YES	YES
3081	Raytheon Systems Co	13510 N Central Expy	3679	AC	YES	YES
3092	ReConserve of Texas, Inc.	3610 Duncanville Rd	2048	U	NO	YES
3093	Red Steel Co	10566 Spangler	3441	AA	NO	YES
3151	WestRock Converting Company	1100 E Clarendon Dr	2631	B	YES	YES
3219	Sanden Vendo America	10710 Sanden	3581	AB	YES	YES
3233	Schepps Dairy Inc	3114 S Haskell	2026	U	YES	YES
3453	Stop & Pull Auto Parts	5419 S R L Thornton Fwy	5015	M	NO	YES
3545	T X I Cement Treated Base	10615 Spangler	3273	E	YES	YES
3553	Tamko Roofing Products	7910 S Central Expy	2951	D	YES	YES
3622	TXI Spangler Rd Ready Mix	10610 Spangler Rd	3273	E	YES	YES
3625	Texas Industries Inc	580 N Corinth St	3273	E	YES	YES
3765	Valente, Thomas	9915 S Central Expy	5015	M	NO	YES
3783	Tyson Prepared Foods	4114 Mint Way	2013	U	YES	YES
3801	U S Gypsum Co	255 Regal Row	2891	C	YES	YES
3945	W & S Finishing Corp	4138 Shilling Way	3471	F	NO	YES
3976	Wellmark International	12111 Ford Rd	2899	C	YES	YES
5057	HARCROS CHEMICALS INC	2627 WEIR ST	5169	P	YES	YES
5094	AIR LIQUIDE ELECTRONICS U.S. L.P.	13546 N CENTRAL EXPRESSWAY	5169		YES	YES
5110	ROYAL CHEMICAL CO	2851 REWARD LN	2841	C	YES	YES
5143	A P A C Texas Inc	4525 Leston	1611	D	YES	YES
5146	Univar Inc	10889 Bekay St	5169	N/A	YES	YES
5149	Dallas Recycling	3303 Pluto	5093	N	NO	YES
5215	Action Metals	3514 S LAMAR	5093	N	NO	YES

**Table A-3: PY5 High Risk Facilities**

File	Operator	Address	Primary SIC	TCEQ Sector	Is SARA313	High Risk
5219	Austin Bridge and Road	11143 GOODNIGHT LN	2951	D	NO	YES
5221	Green Earth Metal Recycling	4115 Botham Jean Blvd	5093	N	NO	YES
5276	Plastic Rescue Inc	3323 PLUTO ST	5093	N	NO	YES
5313	EMF Company	106 Regal Row	3499	AA	YES	YES
5327	Jerry Armstrong dba AAA Truck Parts	13331 Hawm Frwy	5015	M	NO	YES
5330	City Industries, Inc	1910 Wall Street	5093	N	NO	YES
5337	Bi-Lo Auto Salvage	9801 S. Central Expy	5015	M	NO	YES
5339	A & A Pallet	7028 CF Hawm Frwy	2448	A	NO	YES
5351	C. A. R. Auto Parts	11147 Harry Hines Blvd	5015	M	NO	YES
5401	NCSW, Ltd.	3301 S Lamar St	5015	M	NO	YES
5436	Best Block Dallas Chalk Hill Plant DALB1950	2202 Chalk Hill Rd	3271	E	YES	YES
5457	Texas Instruments	13500 N Central Expressway	3674	AC	YES	YES
5476	Business Jet Center Ltd	8611 Lemmon Av	4581	S	NO	YES
5574	City of Dallas	501 Leatherback Place	5015	M	NO	YES
5583	Holly Corporation	7344 Aviation PL	4522	S	NO	YES
5593	COD MCommas Bluff Landfill	5100 Youngblood RD	4953	L	NO	YES
5644	Signature Flight Support Corp.	8001 Lemmon Avenue	4581	S	NO	YES
5645	Dallas Love Field Terminal	8008 Cedar Springs Road	4851	S	NO	YES
5649	Jet Aviation Texas Inc.	7363 Cedar Springs Road	4581	S	NO	YES
5654	City of Dallas/ Department of Aviation	5303 Challenger	4581	S	NO	YES
5657	Ambassador Aviation	5419 Saturn Drive	4581	S	NO	YES
5668	Bombardier Aerospace	7336 Aviation Place	3721	S	NO	YES
5684	Ernie's A Auto Parts	3546 Bedford Street	5015	M	NO	YES
5686	Garland Auto Recyclers & Auto Parts	4211 S. Loop 12	5015	M	NO	YES
5702	Future Foam, Inc.	10726 Doric St	3086	Y	YES	YES

**Table A-3: PY5 High Risk Facilities**

File	Operator	Address	Primary SIC	TCEQ Sector	Is SARA313	High Risk
5748	Quality Ironworks, Inc.	1607 W. Commerce St	3499	AA	NO	YES
6219	Overwraps Packaging Inc	3950 La Reunion Pkwy	3089	X	YES	YES
6441	AT&T Flight Operations, Hangars E & F	9215 Weiss	4581	S	NO	YES
6442	Exxon Mobil - Dallas Love Field	3250 Love Field Dr	4581	S	NO	YES
6444	Hill Air Hangar B	9415 Weis St	4581	S	NO	YES
6449	Tony's Auto Salvage	8499 Lindaloe	5015	M	NO	YES
6472	Emergency Ice	8700 Diplomacy Rd	2097	U	NO	YES
6655	Dallas Oil Service Tank Yard	3007 Cartwright Street	5093	N	NO	YES
6725	Big D Concrete Inc	10363 Bickham Rd.	3273	E	NO	YES
6695	LKQ Greenleaf 1737	5311 S. Lamar	5015	M	NO	YES
6725	Big D Concrete Inc	10363 Bickham Rd.	3273	E	NO	YES
6755	Raytheon Company (Love Field)	8121 Lemmon Ave.	4581	S	NO	YES
6777	Nufab Arrowhead, LLC	4700 Singleton Blvd.	3449	AA	NO	YES
6805	Textar Aviation, LLC	3232 Love Field Drive	4581	S	NO	YES
6816	A1 Autopartes.com, LLC	5427 Botham Jean Blvd.	5015	M	NO	YES
6837	Freedman Metals, Inc./ FMI Recycling	2929 Glenfield Ave.	5093	N	NO	YES
6996	Pick-n-Pull	8835 South Expressway	5015	M	NO	YES
7185	Mejia Rigoberto Gustavo	5392 Prime Lane	5015	M	NO	YES
7198	SI Auto Sales, Inc.	6022 Chippewa Dr	5015	M	NO	YES
7199	Quinones, Hector	5374 Turnout Lane	5015	M	NO	YES
7275	Redi-Mix Concrete North Dallas	11080 Luna Rd	3273	E	YES	YES
7285	Business Jet Access	8350 Denton Drive	4581	S	NO	YES
7336	Pick N Pull Auto Dismantlers Southwest, LLC	5301 S. 2nd Ave.	5015	M	NO	YES
7366	American Woodwork - Kiest	5800 West Kiest Blvd.	2434	W	YES	YES
7407	SVC Manufacturing	2822 Glenfield	2086	U	NO	YES

**Table A-3: PY5 High Risk Facilities**

File	Operator	Address	Primary SIC	TCEQ Sector	Is SARA313	High Risk
7501	Surlean Meat Company	3551 Dan Morton Dr	2013	U	NO	YES
7527	Lattimore Materials Corp	1005 Forest Avenue	3272	E	YES	YES
7536	Dallas Shingle Recycling Facility	11143 Goodnight Lane	5093	N	NO	YES
7927	City of Dallas Transfer Station	7677 Fair Oaks Ave	4212	P	NO	YES
7928	OakCliff Transfer station	4610 S. Westmoreland Rd.	4212	P	NO	YES
8766	Rudolph's Meat Market	2924 Elm St	2013	U	NO	YES
8776	Winn Meat Company LP	2250 Lone Star Dr	2011	U	NO	YES
8786	WhiteWave Foods	3333 Dan Morton Dr	2026	U	YES	YES
8888	Niagra Bottling LLC	4851 Mountain Creek Pkwy	2086	U	NO	YES
8926	Thermal Solutions	3051 W. Commerce St	3714	AB	YES	YES
8977	Clark Dietrich Building Systems	10340 Denton Dr	3444	AA	NO	YES
9096	Sunrise Recycling LLC	4801 S LAMAR	5093	N	NO	YES
9126	Lane Recyclers General Partnership	11521 C F Hawn Frwy	5093	N	NO	YES
9227	Redi-Mix LLC/Vulcan Materials Co	3301 National St	3273	E	YES	YES
9247	Kelvion	4020 La Reunion Pkwy # 110	3714	AB	YES	YES
9286	The Bakery Group	9106 Sovereign Row	2051	U	NO	YES
9416	Peticolas Brewing Company	2026 Farrington St	3544	U	NO	YES
9608	Arrow Magnolia International	2646 Rodney Ln	2841	C	YES	YES
9637	Cowtown concrete	10808 Luna Rd	3273	E	NO	YES
9668	Four Points Aero Services	8601 Lemmon Ave	7581	S	NO	YES
9966	Batch Plant #1	8505 S. Central Expressway	3273	E	NO	YES
10032	Authentic Gelato LLC	1215 Viceroy Dr	2024	U	NO	YES
10416	Sunshine Recycling	2035 Progressive Dr	5093	N	NO	YES
10426	ASIG	2734 Brookfield Ave	4512	S	NO	YES
10446	Sunshine Recycling	2019 Ruder St	5093	N	NO	YES

**Table A-3: PY5 High Risk Facilities**

File	Operator	Address	Primary SIC	TCEQ Sector	Is SARA313	High Risk
10476	Bostik, Inc.	5111 Catron Dr.	2891	C	YES	YES
10886	Okon Metals	5901 S. Lamar St	5093	N	NO	YES
10916	Cleaver-Brooks Sales and Services	1956 Singleton Blvd	3433	AA	NO	YES
10986	Delta Global Services, LLC	8008 Cedar Springs Rd	4581	S	NO	YES
11054	Dallas Pick A Part LLC	10815 C F Hawn Fwy	5015	M	NO	YES
11396	Champion Waste Services Ltd	2414 Vinson St	4212	P	NO	YES
11397	Champion Waste Services Ltd	2500 Vinson St	4212	P	NO	YES
11436	Grannys Auto Salvage	5363 X Ray Ln	5015	M	NO	YES
11486	Soil Building Systems, Inc.	2101 WALNUT HILL LN	2499	A	NO	YES
11596	Signature Flight Support	7515 Lemmon Ave Building J	4581	S	NO	YES
11626	Gold Metal Recyclers, Ltd	2401 Vinson St	5093	N	NO	YES
11646	Texas Elite Precast and Welding	2343 Cartwright	3272	E	NO	YES
11666	Versum Materials	8201 S. Central Expy	2813	C	YES	YES
11686	Gem Asset Acquisitions LLC DBA Gem Seal	3111 W. Saner Ave.	2951	D	NO	YES
11716	J A M Distributing	3330 Duncanville Rd.	5171	P	YES	YES
11747	OJ Salvage & Auto Crushing, LLC.	14057 Skyfrost Drive	5093	N	NO	YES
11766	Dallas Recycle Center	5200 Simpson Stuart Rd.	5093	N	NO	YES
11836	Burbank Partners Hangar Facility	2750 Burbank St	4522	S	NO	YES
11847	Signature Flight Support	8321 Lemmon Ave.	4581	S	NO	YES
12226	Commemorative Air Force	5661 Mariner Drive	4512	S	NO	YES
12237	Guardian Flight	5433 Saturn Dr Hangar A	4581	S	NO	YES
12256	HEMPEL USA DALLAS	2728 EMPIRE CENTRAL	2851	C	YES	YES
12296	Venture Metals	10848 Luna Rd	5093	N	NO	YES
12336	Argos Dallas Plant	2900 W Commerce St	3273	E	YES	YES
12419	CAPA Concrete, Inc.	4460 Langdon Rd	3273	E	NO	YES

**Table A-3: PY5 High Risk Facilities**

File	Operator	Address	Primary SIC	TCEQ Sector	Is SARA313	High Risk
12436	South Belt Line Concrete Batch Plant	2861 S Belt Line	3273	E	YES	YES
12449	Bruckner Truck Sales, Inc.	13121 C F Hawn Fwy	5015	M	NO	YES
12454	Envirotein	4000 Dan Morton Dr Ste 100	2047	U	NO	YES
12459	Cowboy Auto Parts	2622 Myrtle Springs Ave	5015	M	NO	YES
12461	Landmark International Group, LLC	12341 C F Hawn Fwy	5015	M	NO	YES
12462	GPR Global Plastic Recycling	4007 Platinum Way	5093	N	NO	YES
12478	Alaska Airlines, Inc	8008 Herb Kelleher Way	4512	S	NO	YES
12488	Mario Orellana	5347 Prime Ln	5015	M	NO	YES
12504	Soto Autoparts LLC	8371 C F Hawn Frwy	5015	M	NO	YES
12510	Dallas Plant	2900 W Commerce St	3273	E	YES	YES
12515	Maintenance Center	1946 California Crossing	3443	AA	NO	YES
12520	Highline Warren	3851 Pipestone Rd			YES	YES
12522	First Operations, LP	8550 Eastpoint Dr.	3585	AB	YES	YES
12527	Diamond Onions	2310 St. Germain Rd.	2091	U	NO	YES
12528	Community Waste Disposal	2010 California Crossing Rd	5093	N	NO	YES
12529	Riverfront Concrete Batch Plant	1700 S RIVERFRONT BLVD	3273	E	NO	YES
12532	Garland Auto Recyclers and Auto Parts Inc	3033 Sargent Rd	5015	M	NO	YES
12547	Hiland Dairy Foods	5327 Botham Jean Blvd	2026	U	YES	YES
12550	Organic Recycler	2101 Manana Dr	1499	J	NO	YES
12551	Texas Star Ready Mix LLC	4500 Great Trinity Forest Way	3273	E	NO	YES
12553	Signature Flight Support, T4	7701 Lemmon Ave	4581	S	NO	YES
12557	Rise Baking Company	10741 Miller Rd	2051	U	NO	YES
12564	Oz Auto Parts	814 Sea Harbor Rd	5015	M	NO	YES
12565	Premier Trading Partners LLC	9506 S. Central Expressway	5093	N	NO	YES
12568	Fsm Group, LLC	7201 LEMMON AVE	4581	S	NO	YES

**Table A-3: PY5 High Risk Facilities**

File	Operator	Address	Primary SIC	TCEQ Sector	Is SARA313	High Risk
12569	Delux Public Charter, LLC	7201 LEMMON AVE	4522	S	NO	YES
12572	Dillon Gage Incorporated of Dallas	11210 ZODIAC LN	3339	F	NO	YES
12573	Solara Custom Doors and Lighting Warehouse	5025 SHARP ST	3442	AA	NO	YES
12589	Martin Marietta Texas Ready-Mix, LLC	580 N. Corinth St.	3273	E	YES	YES
12595	SRM Plant 14076 North Dallas RMC PLT A	11080 Luna Rd	3273	E	NO	YES
12599	Coherent Metal, Inc.	1910 Rock Island St.	5093	N	NO	YES
12608	Pvs Dx, Inc.	2929 Storey Ln	2819	C	NO	YES
12609	Smyrna Ready Mix Concrete, LLC	5526 Crystal Lake Blvd	3273	E	NO	YES
12612	Smyrna Ready Mix Concrete, LLC	3301 National St	3272	E	YES	YES
12613	Mammoth Metal Recycling(FacID# 12613)	2019 Ruder St	5093	N	NO	YES
12614	Mammoth Metal Recycling(FacID# 12614)	2035 Progressive Dr	5093	N	NO	YES
12617	OZ Auto Parts 2 (FacID# 12617)	2790 DOWDY FERRY RD	5015	M	NO	YES



**Table A-4: PY5 Low Risk Facilities**

File	Operator	Address	Primary SIC	TCEQ Sector	Is SARA313
61	3 L Designs Inc	8821 Directors Row	2331	W	NO
86	A 2 Z Auto Body Parts	6355 Zenith	5015	M	NO
89	A A A Products International	7114 Harry Hines Blvd	3594	AB	NO
92	A American Self Storage	9951 Royal Ln	4225	P	NO
96	A B F Freight System	4242 Irving Blvd	4213	P	NO
101	A D I Electronics	3920 Bryan St	3678	AC	NO
109	A Mini Self Storage	10227 Plano Rd	4225	P	NO
126	A Truck Express	4033 Mint Way	4215	P	NO
134	Abco Inc	1621 Wall St	2789	X	NO
137	Abrams Skillman Self Storage	6631 Larmanda	4225	P	NO
139	Absolute Self Storage	5656 Military Pkwy	4225	P	NO
140	Absolute Self Storage	8125 Maddox	4225	P	NO
145	Access Self Storage	8047 Ferguson	4225	P	NO
218	Air Vent Inc	4117 Pinnacle Point Dr # 400	3564	AB	NO
220	Aircraft Engns & Acry Co Inc	2275 Crown	4581	S	NO
228	Airflow Systems Inc	11221 Pagemill	3564	AB	NO
239	Alamo Self Storage	2855 Fort Worth Ave	4225	P	NO
240	Alamo Self Storage	3707 N Buckner Blvd	4225	P	NO
241	Alamo Self Storage	7011 Marvin D Love Fwy	4225	P	NO
268	Allied Fence Co of Dallas	2343 Beatrice St	2434	W	NO
279	Aloe Vera Of America Inc	13745 Jupiter Rd	2844	C	NO
329	American Leather	4501 Mountain Creek Pkwy	2512	W	NO
367	Any Fill Self Storage	11011 Indian Trl	4225	P	NO
417	Arthur N Bewley	1853 S Haskell Ave	3631	AC	NO
458	Attic Self Storage,The	10949 Walnut Hill Ln	4225	P	NO

**Table A-4: PY5 Low Risk Facilities**

File	Operator	Address	Primary SIC	TCEQ Sector	Is SARA313
459	Attic Self Storage,The	11541 N Central Expy	4225	P	NO
507	B J Pallet Co	8528 C F Hawn Fwy	2448	A	NO
530	Baker Metal Products Inc	11140 Zodiac	3444	AA	NO
534	Baldwin Metals Co Inc	1901 W Commerce	3444	AA	NO
569	Bell Wooden Products Inc	4341 Cedar Lake Dr	2441	A	NO
596	Big City Crushed Concrete LP	11131 Goodnight Ln	3295	E	NO
608	Bills Plastics Inc	2107 Sylvan	3089	Y	NO
618	Blaines Motor Supply Inc	4700 Scyene Rd	3599	AB	NO
621	Blanks Printing & Imaging Inc	2343 N Beckley Ave	2759	X	NO
673	Brunton International Inc	3310 Quebec St	2392	V	NO
703	C & H Label Co Inc	6928 S R L Thornton Fwy	2672	B	NO
706	C & R Bindery	2935 Irving Blvd # 201	2789	X	NO
712	C K S Packaging Inc	2818 Merrell Rd	3085	Y	NO
748	Capital Electric Motor Service	9109 Sovereign Row	3621	AC	NO
753	Cardinal Industrial Finishes	4606 Brass Way	2851	C	NO
765	Casci Ornamental Plaster Inc	2615 S Good Latimer	3299	E	NO
793	Chancellor Jewelers Inc	7441 Marvin D Love Fwy 10	3911	AA	NO
841	Cinquemani Jr Metals Craftsman	2412 Hardwick	3446	AA	NO
850	City Sign Services Inc	3914 Elm St	3993	Y	NO
862	Classic Stainless Inc	4330 Bronze Way	3499	AA	NO
887	Coca-Cola Southwest Beverages LLC	8161 Moberly Ln	4213	P	NO
894	Coker & Associates,R M	2100 Hearne	3452	AB	NO
907	Colorfast Industries	8243 Forney Rd	2841	C	NO
916	Commercial Head & Block Svc	2528 Irving Blvd	3599	AB	NO
930	Compressors Unlimited Intl	2531 S Belt Line Rd	3585	AB	NO

**Table A-4: PY5 Low Risk Facilities**

File	Operator	Address	Primary SIC	TCEQ Sector	Is SARA313
934	Computer Service Technology	2336 Lufield Dr	3825	AC	NO
944	Consolidated Container Co	4525 Joseph Hardin # 101	3082	Y	NO
954	Continental Electronics Corp	4212 S Buckner Blvd	3679	AC	NO
956	Continental NH3 Products Co	130 Yorktown St	3824	AC	NO
974	Corley Gasket Co	6555 Hunnicut Rd	3599	AB	NO
982	Corporate Visual Communications	9011 John W Carpenter Fy # 200	2759	X	NO
992	Cowboy Cab Co Inc	1306 Wall St	4119	P	NO
1020	Crosslink Powder Coatings	11122 Morrison	3399	AA	NO
1030	Cscs Inc	301 Pleasant Dr	3272	E	NO
1041	Rubicon Exploration Company	3015 Hansboro	5015	M	NO
1054	Custom Powder Coating	8804 Sovereign Row	3479	AA	NO
1080	Western Dac Acquisitions, LLC	10491 Brockwood Rd	2759	X	NO
1099	Daily Commercial Record	706 Main St # 200	2711	X	NO
1113	Dallas Canvas & Boat Tops Inc	11228 Sherman	2394	V	NO
1119	Dallas Container Corp	8330 Endicott	2653	B	NO
1128	Dallas Embroidery	1109 Dragon	2397	V	NO
1144	Dallas Metal Fabricators Inc	2817 Logan	3446	AA	NO
1160	Dallas Silversmiths Inc	11126 Shady Trl # 113	3471	AA	NO
1180	Danhard Inc	3839 Dilido	3585	AB	NO
1197	Dave The Printer Inc	2338 Irving Blvd	2752	X	NO
1205	De La Torre Sheet Metal & Mfg	4081 Shilling Way	3444	AA	NO
1206	De Luna Sales	3021 Lombardy Ln # B	2099	U	NO
1235	Designer Draperies	9602 Chartwell	2391	V	NO
1279	Dolco Packaging Corp	4700 S Westmoreland Rd	3089	Y	NO
1282	Don Miguel Mexican Food	9670 Chartwell	2099	U	NO

**Table A-4: PY5 Low Risk Facilities**

File	Operator	Address	Primary SIC	TCEQ Sector	Is SARA313
1284	Don Young Co Inc	8181 Ambassador Row	3442	AA	NO
1288	Doppelganger	3025 Taylor St	2759	X	NO
1294	Double E Inc	1261 Profit	3533	AB	NO
1333	E & D Plastics Inc	1010 E Levee St	3089	Y	NO
1347	Eagle Circuits Inc	10820 Sanden	3672	AC	NO
1363	Ed W Smith Machine Works Inc	3117 Commerce St	3443	AA	NO
1421	Equipment Storage Service	3839 E Overton Rd	4226	P	NO
1431	Estes Express Line	3925 Singleton Blvd	4213	P	NO
1455	Expert Tool & Machine Works	2433 Arbuckle	3499	AA	NO
1461	Extra Space Storage	5701 E Northwest Hwy	4225	P	NO
1464	F & R Machine & Repair Inc	7217 Harry Hines Blvd	3599	AB	NO
1524	First Food Co Inc	4561 Leston	2099	U	NO
1527	First Quality Fabricating Co	1529 N Edgefield Ave	3444	AA	NO
1551	Flow Design Inc	8908 Governors Row	3625	AC	NO
1559	Focus Powder Coating	2805 Logan	3479	AA	NO
1587	Freeman Publishers Inc	1211 S Akard St	2759	X	NO
1588	French Brown Wood Floors Inc	11649 Chairman Dr # 18	2426	A	NO
1589	Fresh Pasta Delights	2680 Nova Dr	2098	U	NO
1591	Frito Lay Inc	1141 Regal Row	2096	U	NO
1592	Frito Lay Inc	3548 Duncanville Rd	4213	P	NO
1593	Rolling Frito-Lay Sales, LP	9301 Stoneview Dr	4213	P	NO
1601	Fujikoki America	4040 Bronze Way	3714	AB	NO
1616	GL Automation Inc	10710 Sandhill Rd	3559	AB	NO
1624	Gabys Shoppe	1311 Dragon	2514	W	NO
1650	General Packaging Corp	4522 S Fitzhugh	2448	B	NO

**Table A-4: PY5 Low Risk Facilities**

File	Operator	Address	Primary SIC	TCEQ Sector	Is SARA313
1652	Genesis Graphics	1219 Fort Worth Ave # A	2759	X	NO
1655	Genti Studios Inc	1825 W Mockingbird Ln	2759	X	NO
1697	Golden Pedic Inc	1240 Titan Dr	2515	W	NO
1700	Gonzalez Fried Products	1610 Fort Worth Ave	2041	U	NO
1703	Goodier Cosmetics Inc	9019 Premier Row	2844	C	NO
1744	Groco Specialty Coatings Co	10818 C F Hawn Fwy	2851	C	NO
1778	Hagwood Transportation Inc	5724 W Ledbetter Dr	4212	P	NO
1786	Ham Hula T Shirt Co	1730 S Akard St	2759	X	NO
1806	Harry Bock Co Inc	6019 Berkshire Ln # 200	3911	AA	NO
1811	Hawn Freeway Trailers	7841 C F Hawn Fwy	3715	AB	NO
1827	Helena & Harry IV	4949 Beeman	2341	V	NO
1834	Herdez Trucking Co	6426 C F Hawn Fwy	4212	P	NO
1846	Hikari Corp	11512 Pagemill Rd	3661	AC	NO
1853	Hill Printing Co	915 S Peak	2759	X	NO
1863	Hodge Printing Co	11416 Newkirk	2759	X	NO
1865	Hoffman Controls Corp	2463 Merrell Rd	3822	AC	NO
1885	Horn & Co,A C	1269 Majesty Dr	3444	AA	NO
1887	Hospital Forms & Systems Corp	8900 Ambassador Row	2761	X	NO
1906	Hunt Transport Services,J B	5701 W Kiest	4213	P	NO
1946	Infratech Inc	10440 Miller Rd	3679	AC	NO
1955	Innovative Millwork Systems	11319 Tantor # A	2434	W	NO
1962	Integrated Test Corp	10365 Sanden	3672	AC	NO
1972	International Bible Assn	4740 S Buckner Blvd	2731	X	NO
2004	Ivy Jane	8303 Chancellor Row	2331	V	NO
2028	J T Horn Oil Co Inc	2407 Cartwright St	5171	P	NO

**Table A-4: PY5 Low Risk Facilities**

File	Operator	Address	Primary SIC	TCEQ Sector	Is SARA313
2033	Jackson Discount Printing	8117 Scyene Rd	2759	X	NO
2052	Jarvis Press Inc	9112 Viscount Row	2759	X	NO
2092	Jose's Machine Shop	3320 Dilido Rd	3714	AB	NO
2105	K & R Screen Graphics	3915 Main St	2759	X	NO
2120	Keddie Enterprises Inc	4304 Shilling Way	3599	AB	NO
2157	Kofahl Sheet Metal Works Inc	3921 Elm St	3444	AA	NO
2175	Kubys Sausage House	7901 Sovereign Row	2013	U	NO
2188	L R P Industries Inc	11531 Chairman Dr Ste 100	2841	C	NO
2201	Lake Rubber Stamp & Engraving	2317 Farrington	3953	Y	NO
2215	Las Colinas Floor Mat	1919 Rhome	2273	V	NO
2224	Peyton's Place Self Storage	562 W Lawson Rd	4225	P	NO
2236	Legacy Lockers LLC	4433 Bronze Way	2541	W	NO
2267	Liquid Environmental Solutions of Texas, LLC	11301 Newkirk St	4212	P	NO
2268	Lites Co,D C	10740 Goodnight Ln	3599	AB	NO
2278	Lockhart Industries	9610 Skillman	2759	X	NO
2303	Longhorn Tube	1891 Ryan Rd	3317	F	NO
2307	Love Envelopes Inc	1130 Quaker	2677	B	NO
2313	Lwc Brands	151 Regal Row Ste 118	2052	U	NO
2318	Lyons Manufacturing Inc	8900 Forney Rd	3272	E	NO
2345	Maddox Metal Works Inc	4116 Bronze Way	3556	AB	NO
2352	Magnetic Ticket & Label Corp	8719 Diplomacy Row	2679	B	NO
2364	Manda Machine Co Inc	2683 Myrtle Springs Ave	3599	AB	NO
2389	Marlin Controls Inc	11011 Regency Crest Dr # 200	3643	AC	NO
2391	Marlow Industries Inc	10451 Vista Park Rd	3674	AC	NO
2394	Marroquin Custom Upholstery	4835 Reading St	2512	W	NO

**Table A-4: PY5 Low Risk Facilities**

File	Operator	Address	Primary SIC	TCEQ Sector	Is SARA313
2405	Massoud Furniture Manufacturng	8351 Moberly	2511	W	NO
2429	Mc Daniel Printing LLC	10701 Plano Rd # 300	2759	X	NO
2436	Mc Kinney Avenue Trolley	3153 Oak Grove Ave	4119	P	NO
2440	McDougal Machine & Mfg.	1912 Garden Springs Dr	3599	AB	NO
2456	Melissa Lighting Inc	4859 Olson	3699	AC	NO
2468	Mertro Graphics	1311 Regal Row	2732	X	NO
2471	Metal Craft Products Co	11071 Denton Dr	3231	E	NO
2472	Metal Detail Inc	4120 Shilling Way	3599	AB	NO
2487	Metropolex Wood Specialty	1357 N Walton Walker Blvd	2499	A	NO
2490	Mextex Manufacturing Co Inc	4830 Transport	3585	AB	NO
2494	Mick & David Enterprises Inc	9017 Diplomacy Row	2542	B	NO
2497	Micro Space Instruments Inc	4751 Wilburton	3599	AB	NO
2500	Micron Machine Tool Inc	4824 Vicksburg	3599	AB	NO
2506	Midway Press Ltd	645 Regal Row	2759	X	NO
2513	Miko Trucking	3302 Pluto	4212	P	NO
2521	Millet The Printer Inc	1000 S Ervay	2759	X	NO
2537	Mizkan Americas Inc	4647 Bronze Way	2099	U	NO
2566	Morrell Plating Co Inc	2712 Anson Rd	3471	AA	NO
2584	Mozzarella Co	2944 Elm St	2022	U	NO
2603	N A T North Amer Thermogrphrs	2642 Brenner	2759	X	NO
2610	National Banner Co	11938 Harry Hines Blvd	2399	V	NO
2613	National Diamond Lab of Texas	1435 Round Table Dr	3545	AB	NO
2616	National Food & Beverage Inc	9000 Premier Row	2033	U	NO
2633	Nevitt Fragrances Inc	10466 Brockwood Rd	2844	C	NO
2661	Noles Davis Plating Co	2711 Manor Way	3471	AA	NO

**Table A-4: PY5 Low Risk Facilities**

File	Operator	Address	Primary SIC	TCEQ Sector	Is SARA313
2665	Norfleet Machine	8323 Hoyle	3599	AB	NO
2671	NTR METALS LLC	10720 Composite Dr	3339	F	NO
2692	O E M Industries Inc	1015 N Justin	3599	AB	NO
2769	Macho Self Storage	1750 W Northwest Hwy	4225	P	NO
2783	Paper Tubes & Sales Inc	1550 Hinton	2665	B	NO
2789	Park Avenue Limos	3615 Ross Ave	4119	P	NO
2810	Peacock Alley Inc	2050 Postal Way	2392	V	NO
2814	Pennco Container Inc	4924 Reading	2759	X	NO
2852	Pioneer Balloon Co	4025 Singleton Blvd	3069	Y	NO
2871	Plaster Ornamental Accents	3806 Kolloch Dr	3299	E	NO
2879	Plexon Inc	6500 Greenville Ave # 730	3841	AC	NO
2885	Pollard Plastics Corp	636 3rd Ave	3993	X	NO
2886	Pollution Control Products Inc	2677 Freewood	3567	AB	NO
2896	Pratt Industries USA	3700 Eagle Place Dr # 800	2653	B	NO
2913	Premier Printing	8607 Ambassador Row # 190	2759	X	NO
2918	Prentex Alloy Fabricators Inc	3108 Sylvan	3443	AA	NO
2921	Preston North Printing	6723 Levelland # A	2759	X	NO
2970	Public Storage Inc	10540 Walnut	4225	P	NO
2971	Public Storage Inc	11020 Audelia Rd # A	4225	P	NO
2972	Public Storage Inc	11038 Alvin	4225	P	NO
2973	Public Storage Inc	11085 Walnut Hill Ln	4225	P	NO
2974	Public Storage Inc	11216 E Northwest Hwy	4225	P	NO
2975	Public Storage Inc	11434 Sprowles	4225	P	NO
2976	Public Storage Inc	12075 Denton Dr	4225	P	NO
2977	Public Storage Inc	12343 E Northwest Hwy	4225	P	NO



**Table A-4: PY5 Low Risk Facilities**

File	Operator	Address	Primary SIC	TCEQ Sector	Is SARA313
2978	Public Storage Inc	1605 Vilbig	4225	P	NO
2979	Public Storage Inc	2105 Winsted Dr	4225	P	NO
2980	Public Storage Inc	2439 Swiss Ave	4225	P	NO
2981	Public Storage Inc	2840 S Westmoreland Rd	4225	P	NO
2982	Public Storage Inc	2861 Walnut Hill Ln	4225	P	NO
2983	Public Storage Inc	3540 Inwood Rd	4225	P	NO
2984	Public Storage Inc	3550 W Mockingbird Ln	4225	P	NO
2985	Public Storage Inc	4401 S Westmoreland Rd	4225	P	NO
2986	Public Storage Inc	4925 S Cockrell Hill Rd	4225	P	NO
2987	Public Storage Inc	5342 E Mockingbird Ln	4225	P	NO
2988	Public Storage Inc	7412 Lemmon Ave	4225	P	NO
2989	Public Storage Inc	8939 E R L Thornton Fwy	4225	P	NO
2990	Public Storage Inc	9110 Markville	4225	P	NO
3002	Q Tech Heat Treat Inc	2727 Ruder	3398	F	NO
3016	Quality Screen Printing	11227 Goodnight Ln # 805	2759	X	NO
3023	Quik N Crispy Inc	12021 Plano Rd # 160	3589	AB	NO
3023	Quik N Crispy Inc	12021 Plano Rd # 160	3589	AB	NO
3024	Quiltcraft Industries Inc	1230 E Ledbetter Dr	2391	V	NO
3029	R & D Machine Shop	3443 Morse Dr	3599	AB	NO
3030	R & L Carriers Inc	2831 S Walton Walker	4213	P	NO
3070	Rawlins Printing & Ofc Supply	4014 S Buckner Blvd	2759	X	NO
3105	Rehrig Pacific Co	625 W Mockingbird Ln	3089	Y	NO
3107	Reilly Echols Printing Inc	1710 S Harwood	2759	X	NO
3113	Republic Sheet Metal & Mfg Co	5131 Cash	3444	AA	NO
3114	Research Products	2639 Andjon	3431	AA	NO

**Table A-4: PY5 Low Risk Facilities**

File	Operator	Address	Primary SIC	TCEQ Sector	Is SARA313
3124	Richardson Fabrication and Mechanical Inc	2084 N Jim Miller Rd 109	3444	AA	NO
3131	Rinchem Co Inc	4143 Singleton Blvd	4225	P	NO
3132	Rio Star Foods Inc	3251 W Commerce St	2011	U	NO
3148	Rochester Gauges Inc	11616 Harry Hines Blvd	3822	AC	NO
3152	Rock Tenn Corp	4105 Bronze Way	2679	B	NO
3159	Rodriguez International Corp,J	4549 Leston	2679	B	NO
3173	Royal Custom Products Inc	4844 Almond	2841	C	NO
3188	Rudolph Foods	3660 Pipestone	2096	U	NO
3193	Russler Associates Inc	10725 Presidential Dr	3679	AC	NO
3202	Southwestern Motor Transport, Inc.	11447 Goodnight Ln	4231	P	NO
3212	Safesite Inc	4601 W Ledbetter Dr	4225	P	NO
3236	Scotch Plaid Inc	2969 Reward Ln	2841	C	NO
3242	Security Self Storage	10664 Walnut Hill Ln	4225	P	NO
3247	Security Self Storage	9555 Forest Ln	4225	P	NO
3260	Service Electric Supply Inc	10929 Grissom	3714	AB	NO
3262	Set Environmental Inc	10215 Gardner Rd	4212	P	NO
3288	Shutter Solutions Inc	11211 Gemini Ln	2431	A	NO
3297	Signature Cabinets	9144 King Arthur	2434	W	NO
3306	Silverado Self Storage	11701 C F Hawn Fwy	4225	P	NO
3324	Six B Labels Corp	12200 Forestgate	2759	X	NO
3330	Smith Co,R W	1318 W Commerce	3599	AB	NO
3335	Smith Race Craft	4102 W Ledbetter Dr	3711	AB	NO
3342	Solo Cup Operating Corporation	4444 W Ledbetter Dr	2679	B	NO
3349	Southeastern Freight Lines, Inc.	4211 Irving Blvd	4231	P	NO
3350	Souther Equipment Sales Inc	5409 W Ledbetter Dr	3531	AB	NO

**Table A-4: PY5 Low Risk Facilities**

File	Operator	Address	Primary SIC	TCEQ Sector	Is SARA313
3354	Southern Mail Service, Inc.	1921 W Commerce St	4813	P	NO
3369	Southwest Freight Distributors	8189 S Central Expy	4213	P	NO
3374	Southwest Printing & Copying	4547 S Westmoreland Rd	2752	X	NO
3386	Specialized Transport Service	5038 W Ledbetter Dr	4212	P	NO
3430	Texas Mobile & Modular Specialist Inc.	11423 C F Hawn Fwy	4213	P	NO
3431	Steel Boss International Inc	1815 Coombs	3441	AA	NO
3436	Stevens Transport Inc	9757 Military Pkwy	4213	P	NO
3438	Steward Printing & Advertising	10775 Sanden	2759	X	NO
3443	Stitch N Designs	12215 Forestgate Dr # 101	2389	V	NO
3444	Stitches By Carmen	2630 Northaven Rd # 102	2391	V	NO
3452	Stonexpressions LLC	2647 Andjon	3281	E	NO
3466	Storm Products Co	9215 Premier Row	3357	F	NO
3468	Stow & Go Mini Warehouse Inc	525 S R L Thornton Fwy	4225	P	NO
3494	Sunburst Shutters Texas Inc	10990 Petal St Ste 100	2431	A	NO
3496	Sunrise Foods Inc	10310 Zodiac	2099	U	NO
3499	Suntec Industries	3220 Quebec	3446	AA	NO
3512	Superior Quality Products Inc	2525 Southwell Rd # 3	3599	AB	NO
3540	T O L Signs & Graphics Inc	10290 Monroe # 104	3089	Y	NO
3560	Taylor Publishing Co Inc	1550 W Mockingbird Ln	2731	X	NO
3567	Techlight Manufacturing	2707 Satsuma	3646	AC	NO
3570	Technology Printing	1262 Viceroy	2759	X	NO
3586	Tex Cnp Seal Inc	8435 Directors Row	3585	AB	NO
3606	Texas Cartage Warehouse	12344 E Northwest Hwy	4212	P	NO
3615	Texas Envelope Co Inc	10655 Shady Trl	2677	B	NO
3619	Texas Ice House	4008 Commerce St # 100	4222	P	NO

**Table A-4: PY5 Low Risk Facilities**

File	Operator	Address	Primary SIC	TCEQ Sector	Is SARA313
3658	Texas Tool & Die	2925 Mican	3599	AB	NO
3667	Therm Processes Inc	1609 E 8th	2842	C	NO
3668	Thermal Windows Inc	8808 Empress Row	3089	Y	NO
3672	Ntl-Brands, Ltd.	3901 Pipestone Rd	3089	Y	NO
3679	Thomas Reprographics	2518 Forest Ln	2752	X	NO
3681	Thomas Reprographics	4718 Greenville Ave	2752	X	NO
3685	Thorobred Industrial Chemicals	2923 Anode Ln	2841	C	NO
3689	Tigerflow Systems Inc	4034 Mint Way	3999	AB	NO
3700	Titan Custom Products Inc	2560 W Commerce St	2396	X	NO
3712	Tornado Bus Co	535 E Jefferson Blvd	4173	P	NO
3715	Total Metal Products	4071 Shilling Way	3444	AA	NO
3717	Total Quality Labels Inc	4845 Cash	2759	X	NO
3751	Triplett Construction Co,R	802 S Haskell	2434	W	NO
3780	Tyler Street Self Storage	3636 S Tyler	4225	P	NO
3785	U Haul Self Storage	11061 Harry Hines Blvd	4225	P	NO
3786	U Haul Self Storage	13637 N Central Expy	4225	P	NO
3787	U Haul Self Storage	1616 Greenville Ave	4225	P	NO
3788	U Haul Self Storage	7107 C F Hawn Fwy	4225	P	NO
3803	U Stor	10406 Lake June Rd	4225	P	NO
3804	U Stor	9808 Harry Hines Blvd	4225	P	NO
3805	U Stor It	5409 S Westmoreland Rd	4225	P	NO
3806	U Store All Mini Storage	3316 Hansboro	4225	P	NO
3807	U Store It	4097 Rosemeade Pkwy	4225	P	NO
3821	Uniforms Inc	1489 Prudential Dr	2395	V	NO
3822	Union Sling Co	3021 Pluto St	3496	AA	NO

**Table A-4: PY5 Low Risk Facilities**

File	Operator	Address	Primary SIC	TCEQ Sector	Is SARA313
3832	United Leather	1233 E Levee St	2512	W	NO
3836	United Office Interior	8200 Lovett Ave	2542	W	NO
3837	United Parcel Service	10155 Monroe	4215	P	NO
3842	United Site Services	2617 Willowbrook Rd	4953	K L	NO
3847	United States Postal Service	10502 Markison Rd	4311	P	NO
3878	Unitron Lp	10925 Miller Rd	3679	AC	NO
3909	Van Oriental Foods	4828 Reading	2099	U	NO
3911	Vargas Trucking	4746 Don Dr	4213	P	NO
3914	Magtech Ltd	8501 Sovereign Row	3999	AC	NO
3954	Wal Mart Optical Lab	9029 Directors Row	3851	AC	NO
3967	Watson & Taylor Self Storage	9801 Brockbank Dr	4225	P	NO
3980	Western Cabinets Inc	3444 Morse Dr	2434	W	NO
3991	White Rock Self Storage	7820 Garland Rd	4225	P	NO
4008	Wilsonart International Inc	4051 La Reunion # 140	3081	Y	NO
4009	Wimco Inc	5616 Duncanville Rd	3599	AB	NO
4011	Windham Manufacturing Co Inc	8520 Forney Rd	3444	AA	NO
4023	Wood Gallery Inc,The	10724 Goodnight Ln	2521	W	NO
4024	Wood Printing Co Inc	1418 Seegar	2761	X	NO
4053	Faiez A Nassar	2515 Irving Blvd	4121	P	NO
4068	Zeller & Gmelin	151 Regal Row # 131	2893	C	NO
4680	Thomas Whitehurst	4751 Algiers St	3281	E	NO
5112	OLIVER SALES CO	13445 FLOYD CIR	5169	C	NO
5119	Texas Plastic Sign Co	2312 Fabens	3993	Y	NO
5123	Fortune Plastic & Metal	3333 E Kiest Blvd	5093	N	NO
5125	U Haul Center	11383 Amanda	4225	P	NO

**Table A-4: PY5 Low Risk Facilities**

File	Operator	Address	Primary SIC	TCEQ Sector	Is SARA313
5155	A 1 Freeman North American	2242 Manana	4212	P	NO
5156	Art Dallas Inc	2325 Valdina	5999	A	NO
5181	Dallas Area Rapid Transit	1200 E Jefferson Blvd	4111	P	NO
5183	Frito-Lay Inc	3420 Duncanville Rd	2096	U	NO
5192	ASRS Corporate Warehouse	2213 Connector Dr	4226	P	NO
5203	Tempress Products LP	5052 Sharp St	3732	R	NO
5204	University of Texas South	4600 Harry Hines Blvd	5999	X	NO
5209	Wrisco Industries Inc	12102 Corporate Dr	3444	AB	NO
5220	B C W Industries	6021 CEDAR SPRINGS	2045	U	NO
5239	DART East Dallas Bus Facility	4127 ELM ST	4111	P	NO
5241	DART Light Rail & Vehicle Facility	3021 OAK LN	4111	P	NO
5243	DART Northwest Bus Facility	2424 WEBB CHAPEL EXT	3411	P	NO
5244	DART South Oak Cliff Bus Facility	3422 E KIEST BLVD	4225	P	NO
5253	First Choice Pallets	5623 LEDBETTER	2448	A	NO
5264	Magellan Midsream Partners, L. P.	4200 SINGLETON BLVD	4613	P	NO
5268	Mirage Auto Sales	2515 IRVING BLVD	4121	P	NO
5314	Fujikoki America	4041 Bronze Way	3714	AB	NO
5318	Paper Tubes & Sales Warehouse	1606 Hinton St	2665	P	NO
5319	Paper Tubes & Sales Warehouse 1616 Hinton Paper Converting	1616 Hinton St	2665	B	NO
5328	Phayvanh Food Corp	4233 Shilling Way	2038	U	NO
5336	Bishop Internatinal, Inc.	224 N. Corinth	5013	N	NO
5346	Greyhound Lines, Inc.	315 Continental Ave	4131	P	NO
5348	A Sign	2410 Brooklyn av	3993	Y	NO
5358	Deep Ellum Self Storage	3215 Hickory St	4225	P	NO
5364	Access Self Storage	3241 S Buckner	4225	P	NO

**Table A-4: PY5 Low Risk Facilities**

File	Operator	Address	Primary SIC	TCEQ Sector	Is SARA313
5377	Bachman Transfer Station	9500 Harry Hines	4212	P	NO
5378	B & B Sign Systems	2401 Hickory	3993	Y	NO
5394	DISD Fleet Maintenance Facility	2419 Cockrell Ave	4151	P	NO
5395	Hightech Signs	10660 Plano Rd. # 118	3993	Y	NO
5397	Hardwood Lumber Co.	10551 Goodnight Ln, Suite B	2421	A	NO
5399	Draft Root Beer Inc.	3138 Quebec St #106	2087	U	NO
5404	Extra Space Storage	5431 Lemmon Ave	4225	P	NO
5406	Extra Space Storage	4114 N Central Expy	4225	P	NO
5414	Pecan Deluxe Candy Co	2570 Lone Star Dr	2087	U	NO
5417	Robert N Wohlfeld Co	2670 Lombardy Ln	3599	AB	NO
5418	Regency Wraps, Inc	2731 Satsuma	2211	V	NO
5425	Neon of Dallas	1317 Chemical St	3993	Y	NO
5431	Minuteman Press	11411 N Central Expy # A	2759	X	NO
5432	Public Storage #27803	11085 Walnut Hill Ln	4225	P	NO
5444	CRS - Complete Restaurant Svcs.	2668 Myrtle Springs	3444	AA	NO
5447	Cuevas Trucking	2306 May St	4212	P	NO
5450	Fleming Trucking	9041 Bird Lane	4212	P	NO
5481	FedEx National LTL - DLS	1501 N Walton Walker Blvd	4213	P	NO
5485	Portillo and Sons Transportation, LLC	10550 GOODNIGHT LN	4212	P	NO
5491	HOBİ INTERNATIONAL	7601 AMBASSADOR ROW	5093	N	NO
5494	DALLAS TRANSFER AND TERMINAL WAREHOUSE C	2302 N WESTMORELAND RD	4225	P	NO
5504	Transportes San Miguel	200 N Marsalis	4111	P	NO
5505	Sigma Marble and Granite, Inc.	8222 Chancellor Row	3281	E	NO
5507	Weir Bros., Inc.	10721 Luna Rd	4000	P	NO
5516	Fligo Oil Company	5021 Bernal Ave	5172	P	NO

**Table A-4: PY5 Low Risk Facilities**

File	Operator	Address	Primary SIC	TCEQ Sector	Is SARA313
5522	Dallas Stage Scenery	3917 Willow	5799	W	NO
5529	City Motor Supply, Inc	11670 Harry Hines	3519	AB	NO
5532	Waste Management of Texas Inc	3920 Singelton Blvd	4212	P	NO
5550	Aircraft Tooling Inc	11250 Luna Rd	4581	AA	NO
5558	Lone Star Consolidated Foods	1727 Beckley	2052	U	NO
5561	Signs Manufacturing Corp.	4610 Mint Way	3993	Y	NO
5610	Phoenix Exchange Inc	2412 Irving Blvd	3711	AB	NO
5624	Argenbright National Sheet Metal Works	9121 King Arthur Dr	3444	AA	NO
5632	Cain Food Industries	8401 Sovereign Row	2051	U	NO
5633	SIMCO Inc. aka Southwest International Marketing Company, Inc.	1195 Empire Central Dr.	2841	C	NO
5670	Big City Crushed Concrete, LP	1005 Forest Avenue	3295	E	NO
5698	DFW Granite	10230 Bickham #300	3281	E	NO
5700	ArrowFab Manufacturing	11616 Chairman	3599	AB	NO
5718	SAIA Motor Freight Line, LLC	4356 Singleton Blvd	4213	P	NO
5719	Old Dominion Freight Line	3225 Duncanville Rd	4213	P	NO
5720	Western Grinding	9000 S. Hampton	3471	AA	NO
5750	M 4	2227 Joe Field Road	3499	AA	NO
5758	Liquid Environmental Solutions of Texas, LLC	11115 Goodnight Ln.	4953	T	NO
5819	Valdez Custom Works Inc	1737 E Levee St	2511	W	NO
5891	Krestmark Industries, LP	3950 Bastille Rd # 100	3442	AA	NO
5893	Nicholson Metal Fabricators	5127 Mercantile Row	3444	AA	NO
6136	Imaging Products Corp	1850 Empire Central	2752	X	NO
6151	Mhc Kenworth South Dallas	34661 Lbj Fwy	3519		NO
6152	Super Lopez Food Products	9727 Brockbank Dr	2096	U	NO
6232	Lodor Enterprises Inc	635 Fort Worth Ave	3599	AA	NO



**Table A-4: PY5 Low Risk Facilities**

File	Operator	Address	Primary SIC	TCEQ Sector	Is SARA313
6236	Hawk Solutions	11242 Indian Trl	3999	C	NO
6408	Taylor Farms Texas, Inc.	1001 N Cockrell Hills	2099	U	NO
6492	Pinnacle Marble & Granite, Inc.	2920 N Sylvan Ave	3281	E	NO
6493	Public Storage	18004 Preston Rd	4225	P	NO
6495	Giant Signs Co.	11226 Ables Ln	3993	Y	NO
6504	Multi Packaging Solutions	13465 S Jupiter	2657	B	NO
6514	Teledyne Storm Products	345 Regal Row	3357	F	NO
6515	Moulding Products	1222 Profit Dr	3357	F	NO
6517	Global Tobacco, L.L.C.	2861 Congressman Ste 300	2111	U	NO
6526	EZFLOW LP	5050 Duncanville Rd	3280	Y	NO
6583	WhiteSmith& Co	2648 Freewood Dr	3441	AA	NO
6603	Extra Space Storage	19211 Preston Rd	4225	P	NO
6604	Extra Space Storage	17854 Preston Rd	4225	P	NO
6705	Custom Stone Granite and Marble	2405 Fabens	3281	e	NO
6715	All Day Industrial Painting Inc.	2605 Brenner Dr.	3479	AA	NO
6726	Cartamundi USA	5101 Highland Place Dr	2759	X	NO
6735	Stonetex	11455 Newkirk Suite # 1414	3281	E	NO
6765	Texas Offset Printing, LP	6730 Oakbrook Blvd	2752	X	NO
6785	Best Cabinetry, LLC	11560 Chairman Drive	2521	W	NO
6795	Reddy Ice Corporation	4320 Duncanville Road	2097	U	NO
6825	Aquablend, Inc.	1255 Viceroy Drive	2842	C	NO
6835	Storopack, Inc.	5050 Duncanville Road	3086	Y	NO
6866	Baks International	1121 Roundtable Drive	2399	V	NO
6867	The World of Granite	11455 Newkirk Street, Suite 1410	3281	E	NO
6886	Cactus Disposal of North Texas, LP	4960 Singleton Blvd.	4212	P	NO

**Table A-4: PY5 Low Risk Facilities**

File	Operator	Address	Primary SIC	TCEQ Sector	Is SARA313
6905	Texas Door & Trim, Inc.	11220 Petal Street	2431	A	NO
6936	Texas Graphics Resource, Inc.	1234 Round Table Drive	2791	X	NO
6937	Top Level Printing Ink, Inc.	1343 Round Table Drive	2893	C	NO
6955	Value Feeds	4727 Sapphire Street	2026	U	NO
6985	Design District Custion Draperies	8820 Directors Row	2391	V	NO
7066	Extra Space Storage	4920 McKinney Ave.	4225	P	NO
7115	Gage's Granite	2427 Glenda Lane; # F	3281	E	NO
7135	Extra Space Storage	1931 Fort Worth Ave	4225	P	NO
7165	U-Stor Walton Walker	4116 S Walton Walker	4225	P	NO
7196	Mondragon Granite	6347 Toronto	3281	E	NO
7215	Extra Space Storage	10740 Garland Road	4225	P	NO
7236	S&J Granite & Stone, INC	9011 John Carpenter Freeway	3281	E	NO
7245	Azteca Mexican Candy IMP	10024 Monroe	2064	U	NO
7265	Dhaliwal Labs	11910 Shiloh Road, Suite 142	2844	C	NO
7306	RSI Home Products Manufacturing, Inc.	2841 Pierce St.	2434	W	NO
7316	Freedom Storage	10331 Scyene Rd.	4225	P	NO
7406	Triples Dynamics Inc.	1031 S. Haskell Ave.	3569	AB	NO
7426	CHEP Recycled Pallet Solutions, LLC	2805 Mican Drive	2448	A	NO
7493	TRAILER CONDITIONING (UPS Inc.)	4807 SELDON WAY	4215	P	NO
7495	NORTHWEST RAIL OPERATING FACILITY (DART)	9717 ABERNATHY AVE	4111	P	NO
7500	UNION PACIFIC RAILROAD MILLER YARD	8150 S CENTRAL EXPY	4013	P	NO
7503	GRA-GAR LLC	8701 PETERBILT BLVD	4212	P	NO
7506	Berridge Manufacturing	2015 California Crossing	5211	P	NO
7567	Dillon Gage Refining	11231 Gemini Lane	3339	F	NO
7583	Extra Space Storage	12190 Inwood Rd	4225	P	NO

**Table A-4: PY5 Low Risk Facilities**

File	Operator	Address	Primary SIC	TCEQ Sector	Is SARA313
7698	Artistic Metal Fabricator	10211 Plano Rd Ste 102	3499	AA	NO
7707	Lm Fabrication Inc	1835 Empire Central Ste N	3441	AA	NO
7766	Public Storage	7568 Greenville Ave	4225	P	NO
7890	Evans Engraving & Stamping	208 S Tyler St	3479	AA	NO
8108	J & P Alternators & Starters	8233 Scyene Rd	3694	AC	NO
8139	D Magazine Partners LP	750 N Saint Paul St	2721	X	NO
8646	Magick Marble & Granite	10561 Goodnight Ln Ste A	1411	J	NO
8650	One Hour Business Cards Inc	11441 N Stemmons Fwy	2752	X	NO
8907	DS Marble and Granite	10895 Indian Trail suite 200	3281	E	NO
8916	Richardson Timber, LLC	10100 Denton Dr	2429	A	NO
8928	Access Self Storage	3427 Marvin D. Love	4225	p	NO
8968	AMC Stone, Inc.	7700 Sovereign Row	3281	E	NO
8976	T W Design and Construction	2808 McGowan St.	3999	Y	NO
8997	D. Fadal Designs inc.	1519 Dragon St	2392	V	NO
9046	Pallet Logistics of America	4100 Platinum Way	2448	A	NO
9116	Advantage Label Co	8727 Empress Row	2759	X	NO
9146	USA Accu-Production Corp.	8908 Chancellor Row	3599	AB	NO
9156	Minuteman Press	7010 Greenville Ave	2759	X	NO
9167	The Granite Lab	2106 Sylvan Ave	3281	E	NO
9236	Central Transport	4500 Irving Blvd	4213	P	NO
9237	Perfect Score Technology	4012 Bronze Way	3559	AB	NO
9256	Stone Brokers of Texas	10230 Bickham Ste 300	3281	E	NO
9277	Alphagraphics	2035 Royal Ln # 250	2759	X	NO
9279	Dennis Brown	1601 Prudential Dr	2759	X	NO
9317	United States Cold Storage L.P	2225 N. Cockrell Hill Rd.	4222	P	NO

**Table A-4: PY5 Low Risk Facilities**

File	Operator	Address	Primary SIC	TCEQ Sector	Is SARA313
9318	Odee Co Inc,The	10626 Control Pl	2752	X	NO
9326	SupplyOne	1608 Plantation	2674	B	NO
9346	Lancaster & Associates	10910 Alder Cir	2391	V	NO
9366	Fauxcades	8888 Governors Row	2499	A	NO
9387	B and B Graphic Finishing Services Inc	8930 Governors Row	2675	B	NO
9388	Great Value Storage	4311 Samuel Blvd	4225	P	NO
9388	Great Value Storage	4311 Samuel Blvd	4225	P	NO
9396	Federal International	2441 W Commerce St	5093	N	NO
9408	Public Storage	4721 Ross Ave.	4225	P	NO
9459	El Hispano News	2102 Empire Central	2711	X	NO
9466	Alamo Glass	10510 Olympic Dr.	3231	E	NO
9506	Tornado Bus Company	8630 E. R L Thornton Fwy	4173	P	NO
9517	Americold	5210 Catron Dr	4222	P	NO
9526	Minutemen Press	17062 Preston Rd suite 122	2759	X	NO
9536	U Haul Storage	7043 Greenville Ave	4225	P	NO
9547	ARG Laboratories	2639 Manana Dr	2844	C	NO
9556	Mecca Design	4819 Woodall St.	2499	A	NO
9596	Sala Investments	4510 Mint Way	3441	AA	NO
9606	HZ Auto sales	3720 Bedford St.	5015	M	NO
9616	Extra Space Storage	19383 Preston Rd	4225	P	NO
9666	AA Storage	9609 Clark Rd.	4225	P	NO
9755	Pint-Sized Prints	10423 Maplegrove Ln	2752	X	NO
9793	Intrapack Corporation	10650 Markison Rd	3679	AA	NO
9876	USA Granite	2407 N. Walton Walker	3281	E	NO
9886	Primary Color Inc	92369 Premier	2759	X	NO

**Table A-4: PY5 Low Risk Facilities**

File	Operator	Address	Primary SIC	TCEQ Sector	Is SARA313
9896	United Parcel Service Inc.	2727 Northaven Rd	4215	P	NO
9906	JK Glass, LLC	11220 Goodnight Lane	3211	E	NO
9916	Image Imprinting	2675 Freewood	2759	X	NO
9917	DalMex Recycling	2828 Nagle St	5093	N	NO
9946	American Foam Rubber	4908 Sharp Street	3089	Y	NO
10101	Therm All Insulation	4884 Duncanville Road	3296	Y	NO
10272	Farfrompeople Incorporated	2372 Irving Blvd	2752	X	NO
10357	Teco Metal	11477 Pagemill	3444	AA	NO
10366	StorQuest Self Storage	10333 Denton Dr #8	4225	P	NO
10367	StorQuest Self Storage	10317 Shady Trail	4225	P	NO
10396	Maxwell Paper Products Co	615 Regal Row	2679	B	NO
10406	Vectornav	10501 Markison	3663	AC	NO
10437	Burnco Texas LLC	10940 Spangler	3273	E	NO
10456	Southwest Distillery & Winery, LLC	9761 Clifford Dr Ste 100	2087	U	NO
10506	Red Bird Industrial Park	4230 Shilling Way		AC	NO
10516	Pleitez Marble & Granite	10240 Bickham Rd #600	3281	E	NO
10526	Redi-Mix, LLC	5526 Crystal Lake Blvd	3273	E	NO
10527	Kalogridis International	4819 Maple Ave	2273	V	NO
10536	CubeSmart Storage	2711 Cedar Springs Rd	4225	P	NO
10876	Fiber Seal	9879 Chartwell	2269	V	NO
10896	Shutter Solutions Inc	11211 Gemini Ln	2431	A	NO
10906	Niagara Bottling, LLC	4800 Langdon Rd	2086	U	NO
10946	XPO Logistics Freight, Inc	5020 Calvert	4213	P	NO
10956	Dallas Oil Service	3018 Ruder	4212	P	NO
10957	Dallas Oil Service	6201 Singleton	4214	P	NO

**Table A-4: PY5 Low Risk Facilities**

File	Operator	Address	Primary SIC	TCEQ Sector	Is SARA313
10976	Petnet Solutions	1350 Manufacturing Dr, Ste 105	2835	C	NO
11006	Scorpion Printing	1017 Montclova Ct	2752	X	NO
11018	Santa Cruz Animal Health	10444 N Stemmons Fwy	2048	U	NO
11026	G2 Automated Technologies LLC	10500 METRIC DR STE 122	3312	F	NO
11032	IL Granito	10551 GOODNIGHT LN STE A	2399	V	NO
11065	Del Toro Magdaleno	111 Marks Dr	4212	P	NO
11076	Process Solutions	11304 PAGEMILL RD	3491	AA	NO
11123	Sendero Express Inc	11740 C F HAWN FWY	3443	AA	NO
11135	Transponder Key	1200 ROSS AVE	3429	AA	NO
11138	Greatwide	1201 BIG TOWN BLVD	3483	AA	NO
11151	Waste Connections Lone Star, Inc.	12150 GARLAND RD	4212	P	NO
11156	Abrams Trucking LLC	1223 N Bagley St	4212	P	NO
11190	Rada Trucking	13129 Foothill Dr	4212	P	NO
11386	Davis Metal Stamping	256 Regal Row	3499	AA	NO
11406	Colorado Boxed Beef Company	5150 Pulaski St	4222	P	NO
11416	Applied Optics Center	9827 CHARTWELL	3812	AC	NO
11426	Metropolitan Press	1250 Majesty Drive	2741	X	NO
11446	DFW Grating	3835 Singleton Blvd	3446	AA	NO
11456	Acadian Ambulance Service Of Texas LLC	2424 S Good Latimer Expy	4119	P	NO
11481	City Newspapers Management LLC	750 N Saint Paul St	2711	X	NO
11506	MPI Wood	2651 Santa Anna	2499	A	NO
11516	DFW Auto Parts Discount	6071 W Davis St	5015	M	NO
11526	Hansen & Adkins Auto Transport	9211 Forney Rd	4212	P	NO
11536	Extra Space Storage	1975 W NW Hwy	4225	P	NO
11546	Copy Cat Printing	11722 Marsh Ln Ste 330	2752	X	NO

**Table A-4: PY5 Low Risk Facilities**

File	Operator	Address	Primary SIC	TCEQ Sector	Is SARA313
11556	MV Transportation Inc.	8998 Senate St	4173	P	NO
11566	Abbott Label	11440 Hillguard Rd.	2759	X	NO
11576	Extra Space Storage	9485 Lyndon B. Johnson Fwy	4225	P	NO
11577	Web Tech, LLC	11464 Pagemill Rd	3679	AC	NO
11586	Pure Granite, LLC	11455 Newkirk St., Ste 1422	3281	E	NO
11616	Buckner Self Storage	140 S Buckner Blvd, Ste. A	4225	P	NO
11617	Life Storage	3210 S. Buckner Blvd	4225	P	NO
11636	Life Storage	4640 Harry Hines Blvd.	4225	P	NO
11637	Tellus Self Storage - Hawn	7979 C F Hawn Fwy	4225	P	NO
11647	Alpha Steel Rule Dies	8804 Chancellor Row	3544	AB	NO
11668	Thomas Printworks	3610 Oak Lawn Ave	2759	X	NO
11676	Costco Wholesale	3730 Mountain Creek Pkwy	4222	P	NO
11677	Associated Graphics & Labels LLC	2009 Farrington	2672	B	NO
11687	Wheels America	3939 Platinum Way	3714	AB	NO
11696	Texas Recycling Surplus, Inc.	1420 South Barry Ave.	5093	N	NO
11726	Kwik Kopy	6162 Sherry Ln	2759	X	NO
11756	Life Storage	3333 N. Buckner Blvd.	4225	P	NO
11776	JR Granite & Marble	2741 Satsuma Dr., #104	3281	E	NO
11786	Life Storage	717 S. Good Latimer Expy.	4225	P	NO
11787	Extra Space Storage	503 S. Haskell	4225	P	NO
11796	Life Storage	2305 Manana	4225	P	NO
11797	CubeSmart Storage	9713 Harry Hines Blvd	4225	P	NO
11807	Extra Space Storage	12100 Shiloh Rd.	4225	P	NO
11826	Public Storage	4740 Harry Hines Blvd.	4225	P	NO
11827	Urban + Storage	1526 Fort Worth Ave.	4225	P	NO

**Table A-4: PY5 Low Risk Facilities**

File	Operator	Address	Primary SIC	TCEQ Sector	Is SARA313
11828	CubeSmart Self Storage & Logistics	17613 Coit Rd	4225	P	NO
11837	Extra Space Storage	7701 Banner Dr	4225	P	NO
11848	Public Storage	10410 E Northwest Highway	4225	P	NO
11849	Public Storage	7895 Riverfall Dr	4225	P	NO
11850	Cubesmart Self Storage	5818 Lyndon B Johnson Freeway	4225	P	NO
11856	Extra Space Storage	8441 Clark Rd	4225	P	NO
11876	TAS Environmental Services L.P.	8508 C.F. Hawn Fwy	4953	K	NO
11886	Extra Space Storage	39050 Lyndon B Johnson Fwy	4225	P	NO
11906	Extra Space Storage	5353 Maple Ave.	4225	P	NO
11907	Cube Smart Self Storage	5505 Maple Ave.	4225	P	NO
11909	Brodnax Printing Co I, LLC	737 Regal Row	2711	X	NO
11910	Extra Space Self Storage	2814 S. Walton Walker Blvd.	4225	P	NO
11916	Extra Space Self Storage	11550 Forest Central Dr	4225	P	NO
11917	Extra Space Self Storage	13705 Montfort Dr.	4225	P	NO
11918	Oxcart Manufacturing	8816 Directors Row	2394	V	NO
11919	Guanamex Meats	3435 Jane Ln	2032	U	NO
11920	Tri Tex Enterprises	4909 Lakawana St	2391	V	NO
11926	CubeSmart Self Storage	6831 W. NW Hwy.	4225	P	NO
11936	Ridout Framing Inc	1153 Quaker St	2499	A	NO
11979	Access Storage	930 Metro Media Pl	4226	P	NO
11986	Life Storage	1606 Plantation Rd	4225	P	NO
11996	CCS Printing	2642 Brenner	2642	X	NO
12007	Millwork Design Solutions, LLC	4078 Shilling Way	2434	W	NO
12016	BC Stonemill	4580 Brass Way	3281	E	NO
12017	Taylor Communications Inc.	3403 Dan Morton Dr	2671	B	NO



**Table A-4: PY5 Low Risk Facilities**

File	Operator	Address	Primary SIC	TCEQ Sector	Is SARA313
12018	First Class Auto, Inc.	3150 Hansboro Ave.	5015	M	NO
12026	Walls Printing Co	9171 King Arthur Dr	2759	X	NO
12036	Arte de Arquitectura de Mexico	3418 Doug Dr.	3281	E	NO
12037	Euro Granite Design	2330 Qunicy St.	3281	E	NO
12038	Pineda Granite & Marble	10240 Bickham Road, #400	3281	E	NO
12047	P R I Super Blue Technology	10760 Shady Trail #300	3555	AB	NO
12056	Pot-O-Gold	3440 Fordham	4212	P	NO
12066	Alvarez Pallets	121 La Paz St.	2448	A	NO
12069	Multi Packaging Solutions	1455 Terre Colony	2759	X	NO
12076	Cary Transit	5255 Norwood Rd	4231	P	NO
12086	Comfort Cushion Inc	1717 E Levee St	2392	V	NO
12096	GD Star Auto Salvage, LLC.	14828 Kleberg Rd.	5015	M	NO
12127	Kenney Industries	2110 Panoramic Circle	3599	AB	NO
12146	Pinnacle Marble & Granite, Inc.	1151 Empire Central	3281	E	NO
12167	Public Storage	1611 Chestnut St	4225	P	NO
12168	Cheesecake Royale	2520 W Commerce	2051	U	NO
12176	Classic Stainless Inc	4031 Bronze Way	3411	AA	NO
12206	LUNA ROAD RECYCLERS	10850 LUNA RD	3295	E	NO
12236	B T X Window Automation	2517 Manana Drive	2591	W	NO
12266	Pioneer Frozen Foods Langdon Road	4616 Langdon Rd	2053	U	NO
12267	Texas Ale Project	1001 N Riverfront Blvd	2082	U	NO
12277	Scott Merriman Inc	2930 Merrell Road	2759	X	NO
12306	Suhm Spring Works Inc.	1601 Terre Colony Court	4839	AA	NO
12307	Euro Granite Design	2330 Quincy St.	3281	E	NO
12316	JBj Countertops Inc	2330 Quincy St.	3281	E	NO

**Table A-4: PY5 Low Risk Facilities**

File	Operator	Address	Primary SIC	TCEQ Sector	Is SARA313
12346	Macho Self Storage	2601 Willowbrook	4225	P	NO
12356	Life Storage	5720 Milton St	4225	P	NO
12366	Life Storage	13575 Goldmark	4225	P	NO
12376	Life Storage	13820 Montfort Dr	4225	P	NO
12377	Nnnbmt Inc	8635 C F Hawn Freeway	5015	M	NO
12387	Storage Star Self-Storage	2812 Forest Lane	4225	P	NO
12388	Primrose Oil	11444 Denton Dr	2992	D	NO
12389	Concrete Batch Plant 1	1732 Tantor Rd	3273	E	NO
12390	First City Chemical	2217 Santa Anna Ave.	2841	C	NO
12391	Erect-A-Line	3912 W. Illinois Ave.	3446	AA	NO
12393	Nortex Redmix Dallas Batch Plant	10850 Luna Rd	3272	E	NO
12394	TRUMAN ARNOLD DBA TAC AIR	7701 Lemmon Ave Ste 100	4581	S	NO
12395	Gama Aviation Engineering Inc	7511 Lemmon Ave, Hangar C	4581	S	NO
12396	Distribution International	2322 French Settlement, Suite 300	3296	E	NO
12397	Ponder Foods	11035 Switzer Avenue	2035	U	NO
12400	DCK Manufacturing LLC	4330 Bronze Way	3281	E	NO
12402	Garden Star Sprouts Inc	2726 Barge Ln	2099	U	NO
12404	DFW Distribution	3636 N. Buckner Blvd.	4225	P	NO
12405	TNTNS Building Materials	11210 Goodnight Ln	3272	E	NO
12406	Pina Granite Services	2429 Walnut Ridge St	3281	E	NO
12408	West Dallas Hauling	3530 Singleton	4212	P	NO
12422	Motor Controls	10661 Newkirk St	3625	AC	NO
12423	Salem Leasing Corporation	4411 Leston St	4231	P	NO
12425	Oldcastle Materials Texas, Inc.	11050 Luna Rd	2951	D	NO
12432	Project Bonnie	1301 Chalk Hill Rd	4225	P	NO

**Table A-4: PY5 Low Risk Facilities**

File	Operator	Address	Primary SIC	TCEQ Sector	Is SARA313
12433	Amazon Services FTW8	3351 BALMORHEA DR BLDG 1	4225	P	NO
12434	Amazoncom Services LLC - IAH1	9155 Southlink Dr	4225	P	NO
12435	AmazoncomKYDC FTW1	33333 JJ LEMMON ROAD	4225	P	NO
12437	Dalparc I-20 Logistics Bldg 4 and 5	N of Telephone Rd and E of N. Dallas Ave	3273	E	NO
12441	DIAB FST Autobahn	8700 Autobahn Dr	3086	Y	NO
12442	Durham School Services Maintenance Yard	2936 Irving Blvd	4151	P	NO
12445	Fikret Hasmer dba Yeliz Motors and Auto Parts Ville	4012 W Illinois Ave	5015	M	NO
12448	Recycle Revolution	6835 Forest Park Rd	5093	N	NO
12451	Big Town Concrete	1825 California Crossing	3273	E	NO
12452	Paul Mart Trucking	3221 Halifax St	4212	P	NO
12453	G & C Direct Mail Marketing	1275 Profit Dr	2752	X	NO
12455	West Dallas-Nabors Auto-Wrecking	5305 Youngblood Rd	5015	M	NO
12457	Sugaright	4000 Dan Morton #106	2062	U	NO
12458	Rich Logistics - Dallas	4444 Irving Blvd	4214	P	NO
12460	Venture Metals	1801 Ryan Rd	5093	N	NO
12465	Insure Self-Storage	3020 Duncanville Rd	4225	P	NO
12466	Dallas Police Department Helicopter Unit	5540 Boulder Dr	4581	S	NO
12467	Mclane Foodservice Distribution Dallas	4721 MOUNTAIN CREEK PKWY	4225	P	NO
12479	Extra Space Storage	5710 Military Pkwy	4225	P	NO
12480	CYCLONE METAL RECYCLING LLC	11221 TANTOR	5093	N	NO
12482	NG CONCRETE	11507 NEWBERRY ST	4212	P	NO
12483	Pallet Advisor LLC	8770 S. Central Expy	2448	A	NO
12484	Pintor's Trucking Service	811 N Justin Ave	4212	P	NO
12486	Barron Manufacturing, INC.	1195 Empire Central Dr	2796	X	NO
12487	GDMI, Inc.	10605 Boomer Cir #101	2844	C	NO

**Table A-4: PY5 Low Risk Facilities**

File	Operator	Address	Primary SIC	TCEQ Sector	Is SARA313
12489	Amazoncom Services LLC - HDA2	9190 VAN HORN DR	4225	P	NO
12490	ISC	11212 Gemini Ln	3281	E	NO
12491	Keeco LLC	5450 W. Kiest Blvd	2211		NO
12492	G & J Granite & Marble	4738 Alexander Ln	3281		NO
12493	2600 Sylvan	2600 Sylvan	3281		NO
12495	Antique Drapery Rod Company	10850 Sanden Dr	2591	W	NO
12496	RP FOODS LLC	2604 FREEWOOD DR	2099	U	NO
12497	JSX	8555 Lemmon Ave	4581	S	NO
12498	Alvarez Pallet LLC	3123 Ruder St	2448	A	NO
12500	U.S. Xpress	34511 Lyndon B Johnson Fwy	4213	P	NO
12501	Guard Drive Self Storage	1332 Guard Drive	4225	P	NO
12502	HD Waste & Recycling LLC	10631 C.F. Hawn Fwy	4212	P	NO
12505	Humanetics Precision Metal Works	1330 REGAL ROW	3444	AA	NO
12506	SUNRISE WOOD DESIGNS SOUTH DALLAS	8801 AUTOBAHN DR	2434	W	NO
12507	Public Storage #27387	9130 S Hampton Rd	4225	P	NO
12508	Amazon.com Services LLC	9186 Van Horn Dr	4225	P	NO
12511	Minuteman Press	12640 E. NW Hwy Ste 413	2752	X	NO
12513	Crossroads Community Services	4500 S. Cockrell Hill Road	4225	P	NO
12514	StorQuest Economy Storage	4641 Production Dr.	4225	P	NO
12516	Minuteman Press	2629 N Stemmons Fwy Ste 108	2759	X	NO
12517	Park Forest Self Storage	3520 Forest Lane	4225	P	NO
12519	Aero Parts & Supply Southwest, Inc.	5423 Saturn Dr Ste 600	4581	S	NO
12521	McGuire, Inc.	2050 N Stemmons Frwy. Ste 101-A	2752	X	NO
12523	First Wave Recycling Solutions LLC	2704 Botham Jean Blvd	2448	A	NO
12524	Beaux Art	154 Glass Street Suite #104	2499	A	NO

**Table A-4: PY5 Low Risk Facilities**

File	Operator	Address	Primary SIC	TCEQ Sector	Is SARA313
12525	Irving Holdings LLC	2515 Irving Blvd	4121	P	NO
12526	Yang's Double Haappiness	1421 E Levee Street	5399	AC	NO
12530	Simply Self Storage	903 Slocum St	4225	P	NO
12533	Extra Space Storage	3737 Frankford Rd	4225	P	NO
12534	Lake June Self Storage	9500 Lake June Rd	4225	P	NO
12536	J.A.C. Granite & Remodeling	8604 Chancellor Row	3281	E	NO
12537	Lyfe Aviation	5052 Voyager Dr Ste A	4581	S	NO
12538	El Recycling	4350 Mint Way	5093	N	NO
12539	StorQuest Economy Storage	9530 Skillman St	4225	P	NO
12540	Print City USA	2625 Oak Lawn Ave	2752	X	NO
12541	Mallory Alexander International Logistics	8600 S. Central Expressway	4225	P	NO
12542	Go Store It Self Storage	2500 Lone Star Dr	4225	P	NO
12543	Extra Space Storage	3714 Marvin D Love Fwy	4255	P	NO
12545	Liberty Packaging Inc	8330 Ednicott Ln	2653	B	NO
12546	Imagemart, LLC	8101A Moberly Ln	2759	X	NO
12548	Royal Granitops Inc.	4838 Vicksburg St.	3281	E	NO
12549	Time Delay Corp	12660 Coit Rd #250	3915	AA	NO
12554	Extra Space Storage	2339 Inwood Rd	4225	P	NO
12555	Atron Group	9125 Viscount Row	3613	AC	NO
12556	Vargas Trucking	4807 Don Dr	4213	P	NO
12558	FPG CT Owner, LP	2200 Ross Ave	6512	O	NO
12559	Quackerbox Creations	10777 Turbeville Rd Ste 105	2759	X	NO
12560	WEB TECH	11464 PAGEMILL RD	3499	AA	NO
12561	Schneider Textiles	10537 King William Dr	2269	V	NO
12562	Binswanger Glass	4222 Harry Hines Blvd	3231	E	NO

**Table A-4: PY5 Low Risk Facilities**

File	Operator	Address	Primary SIC	TCEQ Sector	Is SARA313
12563	FX Composites	119 Regal Row	3299	E	NO
12566	CubeSmart Self Storage	5618 S Cockrell Hill Rd	4225	P	NO
12567	US Storage Centers	8110 S Cockrell Hill Rd	4225	P	NO
12571	Amazon.Com Services LLC	4445 ROCK QUARRY RD	4225	P	NO
12574	CubeSmart	3334 Forest Ln	4225	P	NO
12575	Public Storage	2425 Canton St	4225	P	NO
12576	Extra Space Storage	4311 Communications Dr	4225	P	NO
12577	iStorage	9450 Hargrove	4225	P	NO
12578	Taylor Farms Texas - Deli Facility	1171 N Cockrell Hill Rd	2099	U	NO
12579	Irving Holdings	2515 Irving Blvd	4121	P	NO
12580	SPIRIT AEROSYSTEMS	4039 ROCK QUARRY RD STE 600	3728	AB	NO
12581	Extra Space Storage	8555 Manderville Lane	4225	P	NO
12582	American Woodwork - Saner	2801 W Saner Ave	2434	W	NO
12583	Public Storage	8600 Spring Valley Rd	4225	P	NO
12584	Public Storage	5959 Alpha Rd	4225	P	NO
12585	Vivid Surfaces LLC	2908 Hickory St	3281	E	NO
12586	Burl and Oak Custom Cabinetry	2101 Crown Rd	2434	W	NO
12587	Storage USA	18530 Dallas Parkway	4225	P	NO
12588	Public Storage	2320 N. Central Expressway	4225	P	NO
12590	Pacific Elm Properties/Dallas 2100 Ross, LP	2100 Ross Ave	6798	O	NO
12591	Quatrefoil Partners, LLC	5521 Maple Ave	2361	V	NO
12592	MyPlace Self Storage Dallas	6434 Maple Ave	4225	P	NO
12593	Public Storage	3520 Forest Lane	4225	P	NO
12594	USA Cast Stone and Construction. LLC	1616 Jeffries St	3272	E	NO
12596	Exist	4330 Bronze Way	3281	E	NO

**Table A-4: PY5 Low Risk Facilities**

File	Operator	Address	Primary SIC	TCEQ Sector	Is SARA313
12597	Danhil Containers III, LLC	3304 Halifax St	2657	B	NO
12598	Public Storage	6640 Skillman St	4225	P	NO
12600	NT Five Star Granite, Inc.	10230 Bickham Rd #200	3281	E	NO
12602	Artografx, Inc.	1233 Round Table Drive	3993	Y	NO
12604	Groco Coatings, LLC.	10818 C F Hawn Fwy	2851	C	NO
12605	Global Companies - Dallas Terminal	3900 Singleton Blvd	5171	P	YES
12606	Hines Nut Company	9012 Chancellor Row	2068	U	YES
12607	Allied Stone	2315 Crown Rd	3281	C	NO
12610	Community Brewing Co., LLC	3110 Commonwealth Dr	2082	U	NO
12611	Manna Pro Products, LLC	4105 Rock Quarry Rd	2899	C	NO
12615	Amazoncom Services (FacID# 12615)	6627 Maple Ave	4225	P	NO
12616	Eaton (FacID# 12616)	9890 BONNIE VIEW RD	4225	P	NO
12618	ATKORE HDPE (FacID# 12618)	4949 JOSEPH HARDIN DR	3084	Y	NO
12619	CorrChoice Texas (FacID# 12619)	3737 DAN MORTON DRIVE	2653	B	NO
12620	FASTSIGNS 15001(FacID# 12620)	4714 GREENVILLE AVE	3993	Y	NO
12621	Turnpike Dist Center Dallas(FacID# 12621)	2271 FRENCH SETTLEMENT RD	2653	B	NO
12622	Walmart DC 4287(FacID# 12622)	10880 ROCKWALL RD	4225	P	NO
12623	Amazoncom Services - DDA8(FacID# 12623)	8901 FORNEY RD	4225	P	NO
12624	Prime Now UTX4(FacID# 12624)	6627 MAPLE AVE DALLAS	4225	P	NO
12625	FCC Environmental(FacID# 12625)	34811 LYNDON B JOHNSON FWY	4212	P	NO
12626	Dallas Oil Service Tank Yard Singelton	6109 Singelton	5093	N	NO

***Appendix B-  
Expenditures,  
Proposed Budget,  
and Revisions to  
Fiscal Analysis***



**APPENDIX B: EXPENDITURES, PROPOSED BUDGET, AND REVISIONS TO FISCAL ANALYSIS**

**Annual Expenditures for the Reporting Period, with a Breakdown for the Major Elements of the SWMP (Permit Section IV.C.4.b)**

During the reporting period, the City had an estimated \$201,516,084 in expenditures for activities related to maintaining the SWMP. The direct annual expenditures for each MCM are presented in Table B-1 below and include indirect costs related to records management, training, equipment, office supplies, repairs, laboratory, utilities, consultants, contracted services, and debt services.

<b>Table B-1</b>		
<b>Estimated SWMP Implementation Costs Permit Year 4</b>		
<b>MCM</b>	<b>MCM Name</b>	<b>Estimated Costs</b>
1	MS4 Maintenance Activities	\$30,178,536
2	Post Construction Stormwater Control Measures	\$31,850,907
3	Illicit Discharge Detection and Elimination	\$124,520,630
4	Pollution Prevention/Good Housekeeping for Municipal Operations	\$2,584,523
5	Industrial and High-Risk Runoff	\$1,237.021
6	Construction Site Stormwater Runoff	\$1,237.021
7	Public Education. Outreach, Involvement, and Participation	\$1,237.021
8	Monitoring, Evaluating, and Reporting	888,507
NA	Program Administration (includes billing, legal, insurance, ect.)	\$7,281,918
<b>TOTAL EXPENDITURES</b>		\$201,516,084

*The values presented in the Table B-1 are approximate expenses.* The City’s fiscal year is October 1st through September 30th. A lag between when expenditures occur and when they are reflected in financial systems may be present because of internal financial reporting structures. Given the overlap of certain components of the program that share costs, (i.e., public education program development, project administration, etc.), the allocation of some components of the costs is approximate. The values presented do not include all costs that could be categorized as maintenance, i.e., repairs to wastewater collection system, or routine operations. In a typical fiscal year, final expenses and costs may not be known until late in the second quarter of the next fiscal year.

**Proposed Budget for the Upcoming Reporting Year (Permit Section IV.C.4.c)**

For the upcoming reporting period, the City estimates \$206.400,759 in expenditures for activities related to maintaining the SWMP. The direct annual expenditures for each MCM are presented in Table B-2 below and include indirect costs related to records management, training, equipment, office supplies, repairs, laboratory, utilities, consultants, contracted services, and debt services.

Table B-2 Proposed SWMP Implementation Budget Permit Year 5		
MCM	MCM Name	Estimated Costs
1	MS4 Maintenance Activities	\$\$35,749,916
2	Post Construction Stormwater Control Measures	\$27,065,354
3	Illicit Discharge Detection and Elimination	\$125,998,581
4	Pollution Prevention/Good Housekeeping for Municipal Operations	\$3,352,843
5	Industrial and High-Risk Runoff	\$1,431,920
6	Construction Site Stormwater Runoff	\$\$1,431,920
7	Public Education. Outreach, Involvement, and Participation	\$\$1,431,920
8	Monitoring, Evaluating, and Reporting	\$1,405,885
NA	Program Administration (includes billing, legal, insurance, etc.)	\$8,532,420
<b>TOTAL EXPENDITURES</b>		\$201,516,084

The values presented in the Table B-2, “Proposed SWMP Implementation Budget Permit Year 3” are approximate. The City’s fiscal year is October 1st through September 30th. A lag between when expenditures occur and when they are reflected in financial systems may be present because of internal financial reporting structures. Given the overlap of certain components of the program that share costs, (i.e., public education program development, project administration, etc.), the allocation of some components of the costs is approximate. The values presented do not include all costs that could be categorized as maintenance, i.e., repairs to wastewater collection system, or routine operations.

**Revisions, if necessary, to the Assessments of Controls and the Fiscal Analysis in the Previous Annual Report (Permit Section IV.C.4.d)**

There are no necessary revisions to the fiscal analysis reported in the previous (PY3) Annual Report.

Revisions to the controls, if necessary, in the Stormwater Management Program are listed on the first pages of each respective MCM chapter under the section “Proposed Changes to the SWMP for the next Reporting Year”.

***Appendix C-  
List of Municipal  
Facilities***

Department	Facility	Location
Aviation	DAL - Field Maintenance	8008 Cedar Springs Rd.
Aviation	DAL - Terminal Building	8008 Cedar Springs Rd.
Aviation	Dallas Executive Airport	5303 Challenger Dr.
Aviation	Dallas Vertiport	801 S. Lamar St.
Building Services	Roofing Section	1602 Pearlstone
Building Services	Warehouse	3203 Canton
Building Services	Custodial (including garage)	500 Marilla
Building Services	Central Building District (including Electrical /Carpentry/HVAC/ Plumbing)	1500 Marilla
Building Services	Security/Parking	1500 Marilla
Building Services	City Hall Main Office (including Dispatch/Room Reservations/Tech)	1500 Marilla
Building Services	East Building District (including Custodial Electrical/Carpentry/HVAC/ Plumbing)	2761 Municipal St.
Building Services	West Building District (including Custodial Electrical/Carpentry/HVAC/ Plumbing)	4020 W. Illinois Ave.
Building Services	Arts Building District (including Custodial Electrical/Carpentry/HVAC/ Plumbing)	1717 N. Harwood
Building Services	SE Police Station Fuel Island	725 N. Jim Miller
Building Services	OCMC- Building Maintenance	320 E. Jefferson Blvd.
Building Services	OCMC- Security	320 E. Jefferson Blvd.
Building Services	Jack Evans- Building Maintenance	1400 S. Lamar
Building Services	Jack Evans- Custodial	1400 S. Lamar
Building Services	Courts- Security	2014 Main
Building Services	Courts- Building Maintenance	2014 Main
Building Services	Courts- Custodial	2014 Main
Building Services	MLK- Security	2922 MLK Blvd.
Building Services	MLK- Custodial	2922 MLK Blvd.
Building Services	Central Library- Custodial	1515 Young St.
Building Services	Central Library- Building Maintenance.	1515 Young St.
Building Services	Central Library- Security	1515 Young St.
Building Services	West Dallas Multicultural Center- Custodial	2828 Fishtrap
Building Services	Thanksgiving Square- Custodial	1627 Pacific
Building Services	OCMC- Custodial	320 E. Jefferson Blvd.
Building Services/ Equipment and Fleet Management	Building Services/Admin/Procurement/Fuel Inventory/Mgt Systems (EBS HQ)	3202 Canton
Code Compliance	Southwest District	4230 W. Illinois Ave.
Code Compliance	Mosquito Abatement Warehouse	4230 W. Illinois Ave.
Code Compliance	Nuisance Abatement- Graffiti	4020 W. Illinois Ave.
Code Compliance	Nuisance Abatement- Tires	4020 W. Illinois Ave.
Code Compliance	Southeast District	5210 Bexar St.
Code Compliance	Nuisance Abatement	2721 Municipal St.

Department	Facility	Location
Code Compliance	Central District/MOST	320 E. Jefferson Blvd.
Code Compliance	South Central District	320 E. Jefferson Blvd.
Code Compliance	Admin	3112 Canton St.
Code Compliance	Transportation Regulation	3131 Dawson St.
Animal Services	Animal Control/ Animal Shelter	1616 N. Westmoreland Rd.
Code Compliance	Northwest District	9803 Harry Hines Blvd.
Code Compliance	ICRT Demo	320 E. Jefferson Blvd.
Code Compliance	Northeast District	7901 Goforth Rd.
Code Compliance	MCIS	7901 Goforth Rd.
Code Compliance	Mosquito Control	7901 Goforth Rd.
Code Compliance	Restaurant/Bar inspections	7901 Goforth Rd.
Information and Technology Services	Radio Shop	3131 Dawson St.
Convention and Events Services	Dallas Convention Center	650 S. Griffin St.
Courts and Detention Services	Dallas Marshal Office	1600 Chestnut St.
Dallas Fire-Rescue	Fire Prevention Office	1551 Baylor St.
Dallas Fire-Rescue	Fire Maintenance Facility	5000 Dolphin Road
Dallas Fire-Rescue	Fire Training Facility	5000 Dolphin Road
Dallas Fire-Rescue	Station 01	1901 Irvinig Blvd
Dallas Fire-Rescue	Station 02	4211 Northaven Rd
Dallas Fire-Rescue	Station 03	500 N. Malcolm X Blvd.
Dallas Fire-Rescue	Station 04	816 S. Akard St.
Dallas Fire-Rescue	Station 05	2039 N. St. Augustine Rd.
Dallas Fire-Rescue	Station 06	2808 S. Harwood St.
Dallas Fire-Rescue	Station 07	6010 Davenport Rd.
Dallas Fire-Rescue	Station 08	1904 N. Garrett Av.
Dallas Fire-Rescue	Station 09	2002 Cool Mist Ln
Dallas Fire-Rescue	Station 10	4451 Frankford Rd
Dallas Fire-Rescue	Station 11	3828 Cedar Springs Rd.
Dallas Fire-Rescue	Station 12	7520 Wheatland Rd
Dallas Fire-Rescue	Station 13	6902 Frankford Rd
Dallas Fire-Rescue	Station 14	1005 W. 12th St.
Dallas Fire-Rescue	Station 15	111 E. 8th St.
Dallas Fire-Rescue	Station 16	2616 Chalk Hill Rd
Dallas Fire-Rescue	Station 17	6045 Belmont Ave.
Dallas Fire-Rescue	Station 18	660 N. Griffin Blvd
Dallas Fire-Rescue	Station 19	5600 E. Grand Ave.
Dallas Fire-Rescue	Station 20	12727 Montfort Dr
Dallas Fire-Rescue	Station 21	3210 Love Field Dr.
Dallas Fire-Rescue	Station 22	12200 Coit Rd

Department	Facility	Location
Dallas Fire-Rescue	Station 23	1660 Corinth St
Dallas Fire-Rescue	Station 24	2426 Elsie Faye Heggins St.
Dallas Fire-Rescue	Station 25	2112 56th St.
Dallas Fire-Rescue	Station 26	3303 Sheldon Ave
Dallas Fire-Rescue	Station 27	8401 Douglas Ave
Dallas Fire-Rescue	Station 28	8701 Greenville Ave
Dallas Fire-Rescue	Station 29	9830 Shadow Way
Dallas Fire-Rescue	Station 30	11381 Zodiac Ln
Dallas Fire-Rescue	Station 31	9365 Garland Rd
Dallas Fire-Rescue	Station 32	4262 N. Jim Miller Rd.
Dallas Fire-Rescue	Station 33	754 W. Illinois Ave. Ave
Dallas Fire-Rescue	Station 34	1234 Carbona Drive
Dallas Fire-Rescue	Station 35	3839 Walnut Hill Ave
Dallas Fire-Rescue	Station 36	3241 N. Hampton Rd
Dallas Fire-Rescue	Station 37	6780 Greenville Ave
Dallas Fire-Rescue	Station 38	3015 Chapel Oaks
Dallas Fire-Rescue	Station 39	2850 Ruidosa
Dallas Fire-Rescue	Station 40	2440 Kimwood Dr.
Dallas Fire-Rescue	Station 41	5920 Royal Ln
Dallas Fire-Rescue	Station 42	3333 W. Mockingbird
Dallas Fire-Rescue	Station 43	2844 Lombardy Ln
Dallas Fire-Rescue	Station 44	4114 Frank St.
Dallas Fire-Rescue	Station 45	716 W. Commerce St
Dallas Fire-Rescue	Station 46	331 E. Camp Wisdom
Dallas Fire-Rescue	Station 47	7161 Envoy St.
Dallas Fire-Rescue	Station 48	10480 E. Northwest Hwy
Dallas Fire-Rescue	Station 49	4901 S. Hampton Rd.
Dallas Fire-Rescue	Station 50	841 S. Walton Walker Blvd.
Dallas Fire-Rescue	Station 51	200 S. St. Augustine
Dallas Fire-Rescue	Station 52	2504 Cockrell Hill Rd
Dallas Fire-Rescue	Station 53	1407 John West Rd
Dallas Fire-Rescue	Station 54	6238 Bonnie View rd
Dallas Fire-Rescue	Station 55	6600 Trammel Drive
Dallas Fire-Rescue	Station 56	7040 Belt Line Rd
Dallas Fire-Rescue	Station 57	10801 Audelia Rd
Dallas Police	Northwest Patrol	9809 Harry Hines Blvd
Dallas Police	Southwest Patrol	2411 Valleria Dr.
Dallas Police	Central Operations- including traffic, tactical, patrol	3111 Dawson St.
Dallas Police	Property Unit	1725 Baylor St.

Department	Facility	Location
Dallas Police	Auto Impound	1955 Vilbig Rd.
Dallas Police	Helicopter Unit	5775 Chuck Taylor
Dallas Police	Fire Arms Training Facility	3200 Mountain Creek Parkway
Dallas Police	Communications-911	1500 Marilla St., L1
Dallas Police	Crime Lab - Jack Evans	1400 S. Lamar St.
Dallas Police	Police Academy	5310 Red Bird Center Dr.
Dallas Police	Far North Patrol	6969 McCallum Blvd.
Dallas Police	Love Field	8008 Cedar Springs Rd.
Dallas Police	Northeast Patrol	9915 Northwest Highway
Dallas Police	DPD Headquarters - Jack Evans	1400 S. Lamar
Dallas Police	South Central Patrol	1999 E. Camp Wisdom Rd.
Dallas Police	Quartermaster	1400 S. Lamar
Dallas Police	Southeast Patrol	725 N. Jim Miller
Dallas Police	Parking Enforcement	320 E. Jefferson Blvd.
Dallas Police	North Central- Bait Car Garage	6969 McCallum Blvd.
Dallas Police	Mounted Unit	1331 S. Washington St.
Dallas Water Utilities	Distribution North Repair	9805 Harry Hines
Dallas Water Utilities	Material Services Yard 4	9805 Harry Hines
Dallas Water Utilities	Wastewater Collections- South Repair and Operations Support	2545 Valleria Dr.
Dallas Water Utilities	Material Services Yard 3	2545 Valleria Dr.
Dallas Water Utilities	Material Services Yard 1	2900 Municipal St.
Dallas Water Utilities	Distribution Meter Activities	2861 Municipal St.
Dallas Water Utilities	Meter Repair & Testing	2821 Municipal St.
Dallas Water Utilities	Wastewater Collections	8915 Adlora
Dallas Water Utilities	Material Services Yard 5	7777 Goforth Rd.
Dallas Water Utilities	Bachman Water Treatment Plant	2605 Shorecrest
Dallas Water Utilities	Central Wastewater Treatment Plant	1020 Sargent Rd.
Dallas Water Utilities	Elm Fork Water Treatment Plant	1440 Whitlock Lane, Carrollton
Dallas Water Utilities	Southside Wastewater Treatment Plant	10011 Log Cabin Rd.
Dallas Water Utilities	Eastside Water Treatment Plant	405 Long Creek Rd., Sunnyvale
Dallas Water Utilities	White Rock Lift Station	2900 White Rock Rd.
Dallas Water Utilities	Support and Regulatory Services	8239 Hoyle
Dallas Water Utilities	PALS Admin and Enforcement	2626 Lombardy
Dallas Water Utilities	White Rock Maint. And Operations	2900 White Rock
Dallas Water Utilities	White Rock Dam	2900 White Rock
Dallas Water Utilities	Operations and Maint.	8231 Hoyle
Dallas Water Utilities	Lake Ray Hubbard Dam	3414 Gloria Rd., Sunnyvale
Dallas Water Utilities	South Repair	4120 Scottsdale
Dallas Water Utilities	Distribution Heavy repair Storage Yard	2901 Municipal St.

Department	Facility	Location
Dallas Water Utilities	MSD Yard 7	1440 Whitlock Lane, Carrollton
Dallas Water Utilities	MSD Yard 8	1020 Sargent Rd.
Dallas Water Utilities	MSD Yard 9	10011 Log Cabin Rd.
Dallas Water Utilities	PALS	1020 Sargent Rd.
Dallas Water Utilities	PALS	10011 Log Cabin Rd.
Dallas Water Utilities	Abrams Pumping Station	9241 Forest
Dallas Water Utilities	Alta Mesa Pumping Station	6540 Teague Dr.
Dallas Water Utilities	Bachman Pump Station	9501 Harry Hines
Dallas Water Utilities	Balch Springs Pump St	12631 Lake June Rd.
Dallas Water Utilities	Beltwood Pump Station	4799 Beltline Rd
Dallas Water Utilities	Camp Wisdom Pump St	7015 Amercian Way
Dallas Water Utilities	Cedar Crest Pump	1850 E. Illinois Ave.
Dallas Water Utilities	Cosa Crest Pump Station	7040 La Cosa Dr.
Dallas Water Utilities	Doran Pump Station	8105 Doran circle
Dallas Water Utilities	Elm Fork 1 - Pump St	1400 Whitlock
Dallas Water Utilities	Elm Fork 3 - Pump Station	1400 Whitlock
Dallas Water Utilities	Frazier Dam	3500 E. Airport
Dallas Water Utilities	Greenville Pump Station	4214 Greenville
Dallas Water Utilities	Greenville NO.Pump Station	4211 Matilda St.
Dallas Water Utilities	HoylePump Station	8231 Hoyle Ave
Dallas Water Utilities	Jim Miller Pump Station	5200 Jim Miller
Dallas Water Utilities	Lake June Pump Station	1031 Algonquin Dr.
Dallas Water Utilities	Lone Star Pump Station	1902 Westmorland
Dallas Water Utilities	Meandering Pump Station	7600 La Cosa Dr
Dallas Water Utilities	Parkway Pump Station	17670 N. Dallas Pkwy
Dallas Water Utilities	Red Bird Pump Station	3937 Bronze Way
Dallas Water Utilities	Sorcey Rd Pump Station	7569 Mt. Creek Blvd
Dallas Water Utilities	Southcliff Pump Station	7700 Houston School
Dallas Water Utilities	Sunset Pump Station	303 Chalmers St
Dallas Water Utilities	Walcrest Pump Station	9830 Hillcrest
Dallas Water Utilities	Walnut HillPump Station	3820 Walnut Hill Ln
Dallas Water Utilities	Whispering Pump Station	12806 Whispering Hills
Dallas Water Utilities	bachman lake dam	
Dallas Water Utilities	california crossing dam	
Dallas Water Utilities	carrollton dam	
Dallas Water Utilities	new frasier dam	
Dallas Water Utilities	Cadiz Pump Station	315 Cadiz St.
Dallas Water Utilities	Bachman WTP Pump Station	2525 Shorecrest
Dallas Water Utilities	Lake June Pump Station	1031 Algonquin



Department	Facility	Location
Dallas Water Utilities	Winsted Sewer Lift Station	2200 Winsted
Dallas Water Utilities	Iron Bridge Pump Station	4777 Hunt Cr. 3706, Wills Point
Dallas Water Utilities	Tawakoni Balancing reservoir	17030 Kaufman Cr 246, Terrell
Dallas Water Utilities	Flood Control	2255 & 2645 Irving Blvd
Equipment and Fleet Management	Fleet Operations	9809 Harry Hines
Equipment and Fleet Management	Fuel Island	9809 Harry Hines
Equipment and Fleet Management	Parts	9809 Harry Hines
Equipment and Fleet Management	Fleet Operations	2411 Valleria Dr.
Equipment and Fleet Management	Fuel Island	2411 Valleria Dr.
Equipment and Fleet Management	Parts	2411 Valleria Dr.
Equipment and Fleet Management	Fleet Operations	8935 Adlora
Equipment and Fleet Management	Fuel Island	8935 Adlora
Equipment and Fleet Management	Parts	8935 Adlora
Equipment and Fleet Management	Fleet Operations (including Automotive Training)	2761 Municipal St.
Equipment and Fleet Management	Heavy Shop (including Welding Shop)	2761 Municipal St.
Equipment and Fleet Management	Fueling Island (including CNG Station)	2761 Municipal St.
Equipment and Fleet Management	Parts (including Fleet & Heavy)	2761 Municipal St.
Equipment and Fleet Management	Fuel Island	3111 Dawson St.
Equipment and Fleet Management	Parts	3111 Dawson St.
Equipment and Fleet Management	Fleet Operations	3111 Dawson St.
Equipment and Fleet Management	Make Ready	501 Leatherneck
Equipment and Fleet Management	Salvage Yard	501 Leatherneck
Equipment and Fleet Management	Body Shop (office no actual shop)	501 Leatherneck
Equipment and Fleet Management	Tire Shop	501 Leatherneck
Equipment and Fleet Management	North Central Police Station Fuel Island	6969 McCallum
Equipment and Fleet Management	South Central Police Station Fuel Island	1999 Camp Wisdom
Equipment and Fleet Management	Fuel Management	Central-3202 Canton
Equipment and Fleet Management	Motor Pool	3202 Canton
Office of Environmental Quality and Sustainability	Air Compliance Enforcement	320 E. Jefferson Blvd.
Office of Environmental Quality and Sustainability	Hazardous Waste Yard	505 Hensley Field Dr.
Office of Environmental Quality and Sustainability	Stormwater Management	320 E. Jefferson Blvd.
Park and Recreation	Dallas Zoo	650 S. R.L. Thornton Fwy.
Park and Recreation	Southwest Service Center	4140 W. Illinois Ave. Ave.
Park and Recreation	I.C. Harris Service Center	5620 Parkdale Dr.

Department	Facility	Location
Park and Recreation	White Rock Serv. Center	830 E. Lawther Dr.
Park and Recreation	Crawford Service Center	8740 Elam Rd.
Park and Recreation	Pennsylvania Service Center	4301 Pennsylvania Ave.
Park and Recreation	Mountain Creek Service Center	3436 Mountain Creek Parkway
Park and Recreation	Bachman Service Center	2530 Webb Chapel Ext.
Park and Recreation	Fair Oaks Service Center	7803 Fair Oaks
Park and Recreation	Fair Park Maint.	1240 Washington
Park and Recreation	Cedar Crest Golf Course	1800 Southerland
Park and Recreation	Stevens Park Golf Course	1005 N. Montclair
Park and Recreation	Keeton Park Golf Course	2323 Jim Miller Road
Park and Recreation	Tenison Glen & Tenison Highlands Golf Course	3501 Samuell Blvd.
Park and Recreation	Luna Vista Golf Course	11223 Luna Road
Park and Recreation	L.B. Houston Tennis Center	11225 Luna Road
Park and Recreation	Samuel Grand Tennis Center	6220 E. Grand Ave.
Park and Recreation	Fretz Tennis Center	698 Beltline Rd.
Park and Recreation	Fair Oaks Tennis Center	7501 Merriman Parkway
Park and Recreation	Cotton Bowl	Fair Park
Park and Recreation	Dallas Children's Aquarium	1462 First Avenue
Park and Recreation	Discovery Gardens	3601 Martin Luther King Jr. Blvd.
Park and Recreation	Gexa Energy Pavilion	1818 1st Ave.
Park and Recreation	Samuell Grand Pool	3201 Samuell Blvd.
Park and Recreation	Bonnieview Pool	2124 Huntingdon
Park and Recreation	Glendale Pool	1534 Five Mile Drive
Park and Recreation	Tietze Pool	6115 Llano Ave.
Park and Recreation	Everglade Pool	5100 N. Jim Miller
Park and Recreation	Exline Pool	2430 Eugene
Park and Recreation	Pleasant Oaks Pool	8701 Greenmound
Park and Recreation	Tommie Allen Pool	6901 Bonnieview
Park and Recreation	Kidd Springs Pool	807 W. Canty
Park and Recreation	Martin Weiss Pool	3340 W. Clarendon
Park and Recreation	Grauwylar Pool	2157 Anson
Park and Recreation	Hattie R. Moore Pool	3122 N. Winnetka
Park and Recreation	Jaycee Zaragoza Pool	3125 Tumalo
Park and Recreation	Fretz Pool	14778 Hillcrest
Park and Recreation	Lake Highlands Pool	9940 White Rock Trail
Park and Recreation	Harry Stone Pool	2403 Millmar Drive
Park and Recreation	Bahama Beach	1895 Campfire Circle
Park and Recreation	Walnut Hill Pool	4141 Walnut Hill
Park and Recreation	Bachman Indoor Pool	2750 Bachman Dr.

Department	Facility	Location
Park and Recreation	Anita Martinez Rec. Center	3212 N. Winnetka Ave.
Park and Recreation	Arcadia Rec. Center	5420 N Arcadia Dr.
Park and Recreation	Arlington Park Rec. Center	1505 Record Crossing
Park and Recreation	Bachman Therapeutic Rec. Center	2750 Bachman Dr
Park and Recreation	Beckley Saner Rec. Center (including. sprayground)	114 W. Hobson
Park and Recreation	Campbell Green Rec. Center (including. sprayground)	16600 Parkhill Dr.
Park and Recreation	Churchill Rec. Center	6906 Churchill Way
Park and Recreation	Cummings Rec. Center	2976 Cummings
Park and Recreation	Eloise Lundy Rec. Center	1229 Sabine
Park and Recreation	Exall Rec. Center	1355 Adair
Park and Recreation	Exline Rec. Center	2525 Pine
Park and Recreation	Fireside Rec. Center	8601 Fireside
Park and Recreation	Fretz Rec. Center	6950 Beltline
Park and Recreation	Fruitdale Rec. Center	4408 Vandervort
Park and Recreation	Grauwylor Rec. Center	7780 Harry Hines
Park and Recreation	Harry Stone Rec. Center	2403 Millmar
Park and Recreation	Janie C. Turner Rec. Center	6424 Elam
Park and Recreation	Jaycee Zaragoza Rec. Center	3114 Clymer
Park and Recreation	John C. Phelps Rec. Center	3030 Tips Blvd.
Park and Recreation	Juanita J. Craft Rec. Center	4500 Spring Ave.
Park and Recreation	K.B. Polk Rec. Center	6801 Roper
Park and Recreation	Kidd Springs Rec. Center	711 W. Canty
Park and Recreation	Kiest Rec. Center	3081 S. Hampton
Park and Recreation	Kleberg Rylie Rec. Center	1515 Edd
Park and Recreation	Lake Highlands Rec. Center (including. sprayground)	9940 White Rock Trail
Park and Recreation	Larry Johnson Rec. Center	3700 Dixon Ave.
Park and Recreation	Marcus Rec. Center	3003 Northaven
Park and Recreation	MLK Jr. Rec. Center	2922 MLK Blvd
Park and Recreation	Martin Weiss Rec. Center	1111 Martindell Ave
Park and Recreation	Mildred L. Dunn Rec. Center	3322 Reed Ln.
Park and Recreation	Nash/Davis Rec. Center	3710 N. Hampton
Park and Recreation	Park In The Woods Rec. Center	6801 Mt Creek Pkwy
Park and Recreation	Pleasant Oaks Rec. Center	8701 Greenmound
Park and Recreation	Reverchon Rec. Center	3505 Maple Ave
Park and Recreation	Ridgewood Belcher Rec. Center (including. sprayground)	6818 Fisher Rd.
Park and Recreation	Samuell Grand Rec. Center	6200 E. Grand Ave
Park and Recreation	Singing Hills Rec. Center	1909 Crouch Road
Park and Recreation	Timberglen Recreation Center	3810 Timberglen Rd. Dallas, TX 75287

Department	Facility	Location
Park and Recreation	Thurgood Marshall Rec. Center	5150 Mark Trail
Park and Recreation	Tommie Allen Rec. Center	7071 Bonnieview Road
Park and Recreation	Walnut Hill Rec. Center	10011 Midway Rd.
Park and Recreation	Umphress Rec. Center	7616 Umphress
Park and Recreation	Willie B. Johnson Rec. Center	12225 Willowdell
Park and Recreation	Danieldale Sprayground	300 W. Wheatland Rd.
Park and Recreation	Ferguson Sprayground	1900 Gross Rd.
Park and Recreation	Lake Highlands Sprayground	9344 Church Rd.
Park and Recreation	Mildred Dunn Sprayground	3300 Carpenter Ave.
Park and Recreation	Pimberton Hill Sprayground	6424 Elam Rd.
Park and Recreation	Umphress Sprayground	7700 Umphress
Park and Recreation	Willie Mae Butler Sprayground	3700 Dixon Ave.
Park and Recreation	Event and Reservation Office (Flag Pole Hill)	8100 Doran Circle
Park and Recreation	Southern Skates	2939 E. Ledbetter Dr.
Park and Recreation	Planning and Design (City Hall)	1500 Marilla St.
Park and Recreation	Dallas Arboretum	8525 Garland Rd. Dallas, TX 75218
Park and Recreation	Trinity River Audobon Center	6500 Great Trinity Forest Way, Dallas, TX 75217
Park and Recreation	Winfrey Point (White Rock Lake)	950 E. Lawther
Park and Recreation	Big Thicket (White Rock Lake)	430 E. Lawther
Park and Recreation	Cedar Ridge Preserve	7171 Mountain Creek Parkway Dallas, TX 75249
Park and Recreation	Elm Fork Shooting Complex (PKR owns land only)	10751 Luna Road
Park and Recreation	Kiest Tennis Center	2324 W. Kiest Blvd.
Park and Recreation	Marcus Annex	2910 Modella
Public Works	Design and Construction- previously EBS	320 E. Jefferson Blvd.
Public Works	District 3	9811 Harry Hines
Public Works	District 4	8955 Adlora
Public Works	Administration, District 1, Inspection	2710 Municipal St.
Public Works	District 2	2505 Valleria Dr.
Public Works	Traffic Field Operations	3204 Canton St.
Public Works	Bachman Warehouse	9500 Harry Hines
Sanitation Services	Districts 3 & 4	9811 Harry Hines
Sanitation Services	Quartermaster Shed	9811 Harry Hines
Sanitation Services	District 2	2423 Valleria Dr.
Sanitation Services	District 1	2721 Municipal St.
Sanitation Services	Special Services	6500 Bexar St.
Sanitation Services	Administration	3112 Canton St.
Sanitation Services	District 5	3112 Canton St.
Sanitation Services	McCommas Landfill	5100 Youngblood Rd.
Sanitation Services	Bachman Transfer	9500 Harry Hines

Department	Facility	Location
Sanitation Services	Fair Oaks Transfer	7677 Fair Oaks Blvd.
Sanitation Services	Southwest Transfer	4610 S. Westmoreland

***Appendix E-  
Identification of Water Quality  
Improvement, Degradation, and  
Progress Toward Measured  
Reduction of Pollutants and  
Representative Monitoring Data***

**APPENDIX E: IDENTIFICATION OF WATER QUALITY IMPROVEMENT, DEGRADATION, AND PROGRESS  
TOWARD MEASURED REDUCTION OF POLLUTANTS**

*See MCM 8, “Monitoring, Evaluation, and Reporting.”*

*See tables E-6a, E-6b, and E-7 below.*

Water quality improvements and degradation have been assessed according to measurable goals established in the SWMP created as part of the City’s TPDES permit requirements.

The water quality sampling and analyses that was used to support the rapid bio assessment protocols (RBP) analyses, uses basic indicator chemicals such as pH and Chemical Oxygen Demand, to determine an overall assessment of watershed health. Because the RBP program involves regular data collection from representative watersheds within the MS4 each year, an evaluation of the trends of these analytes can be used to assess water quality improvements, degradations, and progress.

Table E-1 provides a summary of water quality trends. This table compares average values aggregated from the water quality sampling sites across the MS4. The dataset supporting the Assessment in Table E-1 includes average values from the PY1 to PY8 of the prior permit term (February 2011 to September 2019) and PY1 through PY5 of this permit term.

Additional information on water quality trends can be found in MCM 8, “Monitoring, Evaluation, and Reporting”.

Table E-1: Water Quality Trends							
Water Quality Parameter	Average, Last Permit Term	PY1	PY2	PY3	PY4	PY5	Assessment
Dissolved Oxygen (mg/L)	7.3	6.6	7.1	6.81	6.82	6.66	No significant change
Temperature (C)	24.7	25.3	23.2	24.3	22.2	24.5	No significant change
Conductivity (µS/cm)	620	622	668	710	694	646.3	Slight improvement
Total Suspended Solids (TSS)	18.2	17.6	12.4	15.2	14.2	19.42	No significant change
Iron (mg/L)	0.42	0.21	0.56	0.27	0.24	0.202	No significant change
pH	7.82	7.75	7.90	7.64	7.63	7.89	No significant change
Phosphorus (mg/L)	0.20	0.11	0.12	0.14	0.12	0.098	No significant change
Chemical Oxygen Demand (mg/L)	29.2	11.8	-	18.5	22.5	16.2	Slight Degradation
Ammonia (mg/L)	0.20	0.17	0.27	0.29	0.26	0.216	Slight improvement
E. coli (MPN)	194	229	178	181	230	250.5	Slight Degradation

NOTE: Chemical Oxygen Demand was not reported in PY2; the City used 3 different contract laboratories during the year, each with different quantitation limits, making the data difficult to evaluate.

## APPENDIX E – REPRESENTATIVE MONITORING DATA

As required by Part IV.C.4.h of the TPDES Permit No. WQ0004396000, this Annual Report includes representative monitoring data and a summary of the data collected over the reporting period. Data accumulated during the reporting period is summarized in this Appendix. As described in MCM 8, “Monitoring, Evaluation and Reporting”, water quality samples are obtained as a part of several ongoing City programs, including the dry weather program, local and regional wet weather programs and the rapid bioassessment protocol (RBP) program. Analytes sampled for vary by program and include, but are not limited to:

- Total suspended solids (TSS)
- Turbidity
- pH
- Temperature
- Arsenic
- Iron
- Copper
- Lead
- Zinc
- Cadmium
- Sulfate
- Nitrite/ Nitrate
- Ammonia
- Dissolved Oxygen
- Oil & Grease
- Total Petroleum Hydrocarbons (TPH – as needed)
- Total Dissolved Solids (TDS)
- Total Chlorine
- Total Phosphorous
- Chemical Oxygen Demand (COD)
- Biochemical Oxygen Demand (BOD)
- Surfactants
- *E. coli* bacteria
- Total Coliform bacteria
- Orthophosphate
- Temperature and hardness
- Specific conductance
- Temperature
- Hardness

See the tables that begin on page E-5.

### **Dry Weather Screening Program**

See MCM 8 “Monitoring, Evaluating, and Reporting” table 8-2.

### **Wet Weather Screening**

See MCM 8 “Monitoring, Evaluating, and Reporting” table 8-3.



*See tables E-2, E-2a, E-2b, E-2c, E-3, and E-3a below.*

**Rapid Bioassessment Protocol Program**

*See MCM 8 “Monitoring, Evaluating, and Reporting” figures 8-1 and 8-2 and tables 8-4 and 8-5.*

*See tables E-4, E-4a, E-5, E-6, E-6a, E-6b, E-6c, E-6d, E-6e, and E-7.*

**Wet Weather Data - Local Watershed Program**

**Table E-2**

HUC-12 Watershed	Sample ID	Collection Date	Temperature (°C)	pH	Nitrate + Nitrite (as N) (mg/L)	Nitrogen, Total Kjeldahl (mg/L)	Total Nitrogen (calculated)	Chemical Oxygen Demand (mg/L)	Biochemical Oxygen Demand (mg/L)	Total Phosphorus (as P) (mg/L)	Phosphorus, Dissolved (as p) (mg/L)
White Rock Creek-White Rock Lake	WRDM1	10/05/2023	23.5	6.29	0.518	1.03	2.06	55.0	7.10	0.735	0.756
		04/02/2024	20.7	7.88	2.520	0.65	3.17	10.0	3.06	0.122	0.113
	WRDM2	10/05/2023	22.7	8.36	0.647	0.49	1.14	29.0	4.53	0.241	0.237
		04/09/2024	16.8	8.64	0.392	1.08	1.47	17.0	5.99	0.361	0.326
	WRDM3	10/24/2023	22.6	9.63	1.01	21.4	22.4	46.0	17.6	0.388	0.375
		04/16/2024	23.2	7.93	2.68	2.32	5.00	11.0	2.40	0.044	0.032
	WRDM4	10/24/2023	21.6	6.86	0.479	0.422	0.901	24.0	7.23	0.160	0.155
		04/28/2024	18.1	8.25	1.08	1.18	2.26	49.0	6.17	0.288	0.266

**Wet Weather Data - Local Watershed Program**  
**Table E-2 (continued)**

HUC-12 Watershed	Sample ID	Collection Date	E. Coli (MPN/100 mL)	Total Coliform (MPN/100 mL)	Oil & Grease (mg/L)	Total Suspended Solids (mg/L)	Total Dissolved Solids (mg/L)	Hardness (mg/L)
White Rock Creek-White Rock Lake	WRDM1	10/05/2023	1600	>2400	5.88	747	150	467
		04/02/2024	550	>2400	1.48	30	533	350
	WRDM2	10/05/2023	>2400	>2400	5.62	286	107	214
		04/09/2024	>2400	>2400	1.49	362	104	261
	WRDM3	10/24/2023	>2400	>2400	5.71	250	189	229
		04/16/2024	190	>2400	5.83	24	532	401
	WRDM4	10/24/2023	>2400	>2400	1.56	90	170	165
		04/28/2024	>2400	>2400	5.51	167	189	94.9
		10/05/2023	1600	>2400	5.88	747	150	467
		04/02/2024	550	>2400	1.48	30	533	350

Pesticides Wet Weather Data - Local Watershed Program			
Table E-2a			
HUC-12 Watershed	Sample ID	Collection Date	Atrazine (µg/L)
White Rock Creek-White Rock Lake	WRDM1	10/05/2023	50.0
		04/02/2024	0.5
	WRDM2	10/05/2023	50.0
		04/09/2024	1.29
	WRDM3	10/24/2023	9.72
		04/16/2024	9.86
	WRDM4	10/24/2023	9.67
		04/28/2024	1.28

**Wet Weather Data – TCEQ Permitted Outfalls  
Table E-2b**

HUC-12 Watershed	Sample ID	Collection Date	Temperature (°C)	pH	Nitrate + Nitrite (as N) (mg/L)	Nitrogen, Total Kjeldahl (mg/L)	Total Nitrogen (calculated)	Chemical Oxygen Demand (mg/L)	Biochemical Oxygen Demand (mg/L)	Total Phosphorus (as P) (mg/L)	Phosphorus, Dissolved (as p) mg/L
Five Mile Creek-Trinity River	Outfall 001	10/04/2023	23.7	8.57	0.518	0.747	1.27	47.0	6.67	0.282	0.271
		04/20/2024	16.4	8.46	0.55	2.19	2.74	26.0	2.14	0.239	0.238
Floyd Branch-White Rock Creek	Outfall 002	10/24/2023	23.8	8.09	0.945	1.30	2.25	46.0	10.90	0.203	0.197
		04/16/2024	25.0	8.45	2.54	0.753	3.29	12.0	2.67	0.189	0.187
Turtle Creek-Trinity River	Outfall 003	10/24/2023	14.2	7.65	0.531	0.731	1.26	59.0	6.67	0.159	0.0947
		04/20/2024	15.9	8.67	1.38	1.32	2.7	19.0	2.14	0.075	0.078
Headwaters-Turtle Creek	Outfall 004	10/04/2023	24.0	6.91	0.379	0.774	1.15	28.0	8.37	0.194	0.181
		04/01/2024	22.5	7.62	1.53	3.28	4.81	117.0	41.4	0.318	0.155
		04/01/2024 DUP	22.6	7.45							

**Wet Weather Data – TCEQ Permitted Outfalls  
Table E-2b (continued)**

HUC-12 Watershed	Sample ID	Collection Date	E.coli (MPN)	Total Coliform (MPN)	Oil & Grease (mg/L)	Total Suspended Solids (mg/L)	Total Dissolved Solids (mg/L)	Hardness (mg/L)
Five Mile Creek-Trinity River	Outfall 001	10/04/2023	1700	>2400	1.67	153	59.5	172
		04/20/2024	>2400	>2400	2.11	75	63.5	53.4
Floyd Branch-White Rock Creek	Outfall 002	10/24/2023	>2400	>2400	1.43	133	125	111
		04/16/2024	>2400	>2400	5.46	2	436	249
Turtle Creek-Trinity River	Outfall 003	10/24/2023	>2400	>2400	1.9	86	45.5	33
		04/20/2024	>2400	>2400	2.43	80	62	39.3
Headwaters Turtle Creek	Outfall 004	10/04/2023	>2400	>2400	1.83	35	45	21.3
		04/01/2024	>2400	>2400	2.61	112	166	104
		04/01/2024 DUP	2400	>2400	1.67	55		

**Wet Weather Data – TCEQ Permitted Outfalls  
Table E-2b (continued)**

HUC-12 Watershed	Sample ID	Collection Date	Arsenic (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Copper (mg/L)	Lead (mg/L)	Zinc (mg/L)
Five Mile Creek-Trinity River	Outfall 001	10/04/2023	0.00311	0.00152	0.00707	0.0115	0.0101	0.0551
		04/20/2024	0.000552	0.00200	0.00076	0.00525	0.00238	0.0210
Floyd Branch-White Rock Creek	Outfall 002	10/24/2023	0.00190	0.00200	0.00452	0.0165	0.00441	0.1230
		04/16/2024	0.000477	0.00428	0.000782	0.00432	0.00200	0.0237
Turtle Creek-Trinity River	Outfall 003	10/24/2023	0.000822	0.000142	0.003390	0.00946	0.0103	0.0936
		04/20/2024	0.001190	0.00200	0.001740	0.00622	0.00403	0.0427
Headwaters Turtle Creek	Outfall 004	10/04/2023	0.00170	0.00200	0.00115	0.00477	0.00226	0.0210
		04/01/2024	0.00109	0.00200	0.00202	0.0207	0.00306	0.0669

Table E-2c Pesticides Wet Weather Data – TCEQ Permitted Outfalls			
HUC-12 Watershed	Sample ID	Collection Date	Atrazine (µg/L)
Five Mile Creek-Trinity River	Outfall 001	10/04/2023	50.0
		04/20/2024	0.726
Floyd Branch-White Rock Creek	Outfall 002	10/24/2023	9.68
		04/16/2024	9.94
Turtle Creek-Trinity River	Outfall 003	10/24/2023	9.75
		04/20/2024	9.95
Headwaters Turtle Creek	Outfall 004	10/04/2023	50.0
		04/01/2024	9.95



**Table E-3  
Wet Weather Data - Regional Watershed Program (No reporting for PY4)**

HUC-12 Watershed	Sample ID	Collection Date	Water Temperature (°C)	Total Suspended Solids (mg/L)	Total Dissolved Solids (mg/L)	Nitrogen Total (mg/L)	Nitrate Nitrogen (mg/L)	Ammonia as N (mg/L)	Total Phosphorus (mg/L)	Dissolved Phosphorus (mg/L)	Orthro-Phosphorus (mg/L)	Chemical Oxygen Demand (mg/L)	Biochemical Oxygen Demand (mg/L)
White Rock Creek-White Rock Lake	WRC-100	01/22/2024	3.3	10	295	1.45	0.97	0.17	0.047	0.048	0.0280	<3.36	3.66
		04/01/2024	19.6	61	294	2.25	1.26	0.06	0.040	0.043	0.0123	6.0	2.96
		07/21/2024	27.9	24	312	1.09	0.122	0.100	0.345	0.322	0.242	<3.36	6.48
	WRC-200	01/22/2024	3.6	42	307	1.54	1.04	0.10	0.178	0.181	0.0520	<3.36	6.13
		04/01/2024	20.3	13	280	2.08	1.35	0.12	0.041	0.023	0.0197	12.0	5.97
		09/03/2024	27.3	56	233	1.34	0.370	0.156	0.0690	0.0330	0.0200	34	16.3
	WRC-300	01/22/2024	3.6	12	354	1.49	1.06	0.10	0.058	0.054	0.0384	10.0	3.42
		05/02/2024	21.0	31	278	2.54	0.70	0.08	0.080	0.091	0.0406	22.0	6.08
		09/03/2024	25.1	12	363	1.14	0.521	0.153	0.0710	0.0520	0.0200	11	2.75
		09/03/2024 DUP	25.8	11									
Five Mile Creek-Trinity River	FMC-100	01/12/2024	12.2	21	363	5.15	4.61	0.10	0.093	0.125	0.0957	<3.36	2.14
		04/09/2024	18.0	54	355	4.03	2.93	0.10	0.154	0.152	0.0900	6.0	6.4
		07/05/2024	28.1	38	259	12.4	0.100	0.0540	0.319	0.215	0.0743	36	2.14
	FMC-200	01/12/2024	9.7	21	360	4.03	3.62	0.10	0.071	0.072	0.0773	9.0	4.96
		04/09/2024	18.3	71	396	3.55	2.17	0.08	0.229	0.216	0.0833	29.0	13.4
		07/05/2024	29.8	18	269	2.65	0.628	0.154	0.356	0.383	0.0106	89	10.5
	FMC-300	01/12/2024	13.1	105	303	2.39	1.99	0.05	0.036	0.041	0.0565	13.0	7.50
		04/09/2024	18.9	138	142	1.80	0.64	0.14	0.196	0.174	0.0976	25.0	6.99
		07/05/2024	31.3	91	262	3.39	0.764	0.154	0.356	0.383	0.0106	89	10.5

Table E-3 Wet Weather Data - Regional Watershed Program (No reporting for PY4)			
HUC-12 Watershed	Sample ID	Collection Date	Atrazine (ug/L)
White Rock Creek-White Rock Lake	WRC-100	01/22/2024	10.30
		04/01/2024	1.00
		07/21/2024	0554
	WRC-200	01/22/2024	9.85
		04/01/2024	1.00
		09/03/2024	0.528
	WRC-300	01/22/2024	9.80
		05/02/2024	0.74
		09/03/2024	0.513
Five Mile Creek- Trinity River	FMC-100	01/12/2024	9.75
		04/09/2024	9.92
		07/05/2024	10
	FMC-200	01/12/2024	9.75
		04/09/2024	9.83
		07/05/2024	0.546
	FMC-300	01/12/2024	9.72
		04/09/2024	9.72
		07/05/2024	9.73

**Table E-4 Reference Sites Used for Rapid Bioassessment Program**

Site
EPA Ecoregion 32

Note: The city of Dallas has chosen to use Ecoregion 32 as a reference site, which is outlined in TCEQ's RG-416, Methods for Collecting and Analyzing Biological Assemblage and Habitat Data.

Table E-4a Rapid Bioassessment Protocol – Habitat Assessment Data 1								
HUC-12 Watershed	Sample ID	Collection Date	Habitat Score	Average Stream Depth (meters)	Average Stream Width (meters)	Channel Alteration	Channel Sinuosity	Embeddedness
Bachman Branch - Elm Fork Trinity River	JOES-1	4/15/2024						
		7/16/2024						
	BAB-B	4/15/2024	166	0.2	11.3	11	6	6
		7/15/2024	118	0.4	8.2	15	9	13
	NWDA-1	4/15/2024						
		7/1/2024						
RIB-A	3/20/2024	108	0.2	4.9	11	9	3	
	7/1/2024	90	0.2	3.4	15	8	8	
City of Dallas – White Rock Creek	ASH-A	4/15/2024	129	0.2	11.6	2	4	10
		7/15/2024	114	0.2	7.6	15	6	13
Delaware Creek - West Fork Trinity River	MOC-A	3/21/2024						
		7/2/2024						
Farmer's Branch - Elm Fork Trinity River	FARM-1	3/20/2024	136	0.4	33.5	17	6	16
		7/1/2024	140	0.3	31.7	15	6	13
Five Mile Creek – Trinity River	FIV-A	3/28/2024						
		7/2/2024						
	NEW-A	3/28/2024	215	0.4	8.5	20	9	19
		7/2/2024	120	0.3	5.5	7	10	4
	SEDA-1	4/1/2024	112	0.2	2.9	8	4	6
7/15/2024		119	0.1	4.9	12	11	7	
Floyd Branch - White Rock Creek	FLO-A	3/20/2024	100	0.2	6.7	7	6	15
		7/1/2024	97	0.1	5.8	10	5	9
	MCK-C	3/20/2024	137	0.2	4.3	6	14	16
		7/1/2024	134	0.2	3.7	10	12	11

**Table E-4a (continued) Rapid Bioassessment Protocol – Habitat Assessment Data 1**

HUC-12 Watershed	Sample ID	Collection Date	Habitat Score	Average Stream Depth (meters)	Average Stream Width (meters)	Channel Alteration	Channel Sinuosity	Embeddedness
Headwaters Five Mile Creek	FIV-D	3/21/2024	145	0.1	5.8	16	14	16
		7/2/2024	45	0.2	4.3	4	6	6
Headwaters Ten Mile Creek	TEN-B	3/28/2024	141	0.2	14.9	6	6	17
		7/2/2024	125	0.2	17.4	15	7	18
	TEN-D	3/28/2024	145	0.2	14.3	2	6	18
		7/2/2024	94	0.2	13.7	12	7	19
Headwaters Turtle Creek	CEB-B	4/15/2024	126	0.1	2.4	12	8	17
		7/16/2024	121	0.2	2.1	15	7	15
	KNI-A	4/15/2024	112	0.3	11.9	13	5	10
		7/16/2024	137	0.3	11.6	16	3	6
	TRO-A	4/15/2024	149	0.2	3	19	6	17
		7/16/2024	107	0.2	4	16	11	1
	TUR-A	4/15/2024	150	0.2	4.3	18	8	16
		7/1/2024	99	0.4	4.6	10	1	2
Prairie Creek - Trinity River	PRA-A	4/1/2024	132	0.2	6.9	14	16	13
		7/2/2024	151	0.4	5.8	14	8	18
South Mesquite Creek	SMC-A	4/1/2024	133	0.4	12.8	17	7	12
		7/1/2024	145	0.3	10.1	17	7	14
	SMC-B	4/1/2024	113	0.3	6.4	17	15	5
		7/1/2024	100	0.2	5.8	17	10	6
	SMC-C	4/1/2024	88	0.2	8.2	10	11	2
		7/1/2024	115	0.2	6.4	15	12	3
Turtle Creek - Trinity River	CEDR-1	4/1/2024	201	0.3	7.0	19	19	13
		7/2/2024	90	0.3	7.6	15	7	3
	COO-A	3/21/2024	145	0.2	7.0	10	11	6
		7/2/2024	164	0.2	6.1	13	18	14
White Rock Creek - White Rock Lake	DIX-A	4/15/2024	155	0.2	4.6	13	12	10
		7/15/2024	103	0.3	3.7	15	6	10

**Table E-4a (continued) Rapid Bioassessment Protocol – Habitat Assessment Data 1**

HUC-12 Watershed	Sample ID	Collection Date	Epifaunal Substrate / Available Cover	Frequency of Riffles	Left Bank Stability	Right Bank Stability	Left Bank Vegetative Protection	Right Bank Vegetative Protection	Pool Substrate Characterization
Bachman Branch - Elm Fork Trinity River	JOES-1	4/15/2024							
		7/16/2024							
	BAB-B	4/15/2024	11	15	6	6	5	5	16
		7/15/2024	6	5	4	4	5	5	15
	NWDA-1	4/15/2024							
		7/1/2024							
RIB-A	3/20/2024	5	2	4	4	4	4	13	
	7/1/2024	7	3	5	6	2	4	6	
City of Dallas – White Rock Creek	ASH-A	4/15/2024	12	4	8	8	7	7	13
		7/15/2024	5	2	6	6	0	3	8
Delaware Creek - West Fork Trinity River	MOC-A	3/21/2024							
		7/2/2024							
Farmer's Branch - Elm Fork Trinity River	FARM-1	3/20/2024	16	3	4	5	9	9	13
		7/1/2024	14	5	7	7	6	7	11
Five Mile Creek – Trinity River	FIV-A	3/28/2024							
		7/2/2024							
	NEW-A	3/28/2024	18	13	8	8	9	9	14
		7/2/2024	4	11	3	2	2	2	12
	SEDA-1	4/1/2024	7	5	6	6	3	3	14
7/15/2024		5	14	5	6	5	5	12	
Floyd Branch - White Rock Creek	FLO-A	3/20/2024	4	9	2	3	4	7	2
		7/1/2024	10	9	3	3	2	6	10
	MCK-C	3/20/2024	8	17	8	8	8	5	3
		7/1/2024	6	9	5	5	5	5	17

**Rapid Bioassessment Protocol – Habitat Assessment Data 1**  
**Table E-4a (continued)**

HUC-12 Watershed	Sample ID	Collection Date	Epifaunal Substrate / Available Cover	Frequency of Riffles	Left Bank Stability	Right Bank Stability	Left Bank Vegetative Protection	Right Bank Vegetative Protection	Pool Substrate Characterization
Headwaters Five Mile Creek	FIV-D	3/21/2024	2	18	6	8	6	6	8
		7/2/2024	2	4	2	2	2	2	1
Headwaters Ten Mile Creek	TEN-B	3/28/2024	2	19	3	6	7	7	4
		7/2/2024	8	6	4	4	6	5	0
	TEN-D	3/28/2024	3	18	9	8	5	5	4
		7/2/2024	2	3	9	9	1	1	0
Headwaters Turtle Creek	CEB-B	4/15/2024	8	11	7	5	5	1	6
		7/16/2024	13	10	5	6	2	3	16
	KNI-A	4/15/2024	12	1	8	6	4	6	2
		7/16/2024	6	4	6	7	8	6	10
	TRO-A	4/15/2024	14	13	5	5	8	8	10
		7/16/2024	8	7	4	5	3	4	11
	TUR-A	4/15/2024	12	0	7	7	5	5	16
		7/1/2024	6	5	4	4	9	9	6
Prairie Creek - Trinity River	PRA-A	4/1/2024	8	9	8	8	10	10	7
		7/2/2024	12	11	6	6	8	8	13
South Mesquite Creek	SMC-A	4/1/2024	10	12	5	4	4	3	7
		7/1/2024	6	8	8	6	5	2	6
	SMC-B	4/1/2024	8	4	3	2	1	1	6
		7/1/2024	7	5	6	3	3	1	6
	SMC-C	4/1/2024	5	2	4	3	3	2	6
		7/1/2024	6	3	6	4	7	6	8
Turtle Creek - Trinity River	CEDR-1	4/1/2024	18	15	10	10	6	6	11
		7/2/2024	7	5	3	3	4	4	2
	COO-A	3/21/2024	10	14	5	4	7	5	12
		7/2/2024	9	14	5	5	4	4	15
White Rock Creek - White Rock Lake	DIX-A	4/15/2024	10	8	9	7	8	8	16
		7/15/2024	11	5	3	4	3	3	11

**Rapid Bioassessment Protocol – Habitat Assessment Data 1**  
**Table E-4a (continued)**

HUC-12 Watershed	Sample ID	Collection Date	Pool Variability	Channel Flow Status	Riparian Vegetative Zone Width-Left	Riparian Vegetative Zone Width-Right	Sediment Deposition	Velocity / Depth Regime
Bachman Branch - Elm Fork Trinity River	JOES-1	4/15/2024						
		7/16/2024						
	BAB-B	4/15/2024	16	16	6	8	16	17
		7/15/2024	13	8	2	2	10	2
	NWDA-1	4/15/2024						
		7/1/2024						
RIB-A	3/20/2024	9	12	5	5	13	5	
	7/1/2024	2	5	2	2	13	2	
City of Dallas – White Rock Creek	ASH-A	4/15/2024	8	17	8	6	9	6
		7/15/2024	9	10	8	8	11	4
Delaware Creek - West Fork Trinity River	MOC-A	3/21/2024						
		7/2/2024						
Farmer's Branch - Elm Fork Trinity River	FARM-1	3/20/2024	8	14	3	3	7	3
		7/1/2024	13	14	2	2	16	2
Five Mile Creek – Trinity River	FIV-A	3/28/2024						
		7/2/2024						
	NEW-A	3/28/2024	19	20	10	10	16	13
		7/2/2024	10	10	8	9	11	15
	SEDA-1	4/1/2024	14	11	4	5	4	12
		7/15/2024	9	10	2	2	5	9
Floyd Branch - White Rock Creek	FLO-A	3/20/2024	5	5	1	3	16	11
		7/1/2024	6	7	1	3	6	7
	MCK-C	3/20/2024	8	7	3	3	14	9
		7/1/2024	5	8	8	8	14	6



**Rapid Bioassessment Protocol – Habitat Assessment Data 1**  
**Table E-4a (continued)**

HUC-12 Watershed	Sample ID	Collection Date	Pool Variability	Channel Flow Status	Riparian Vegetative Zone Width-Left	Riparian Vegetative Zone Width-Right	Sediment Deposition	Velocity / Depth Regime
Headwaters Five Mile Creek	FIV-D	3/21/2024	16	2	1	2	8	16
		7/2/2024	2	3	2	2	2	3
Headwaters Ten Mile Creek	TEN-B	3/28/2024	13	13	8	8	8	14
		7/2/2024	5	16	6	6	8	11
	TEN-D	3/28/2024	7	11	9	9	17	14
		7/2/2024	1	5	3	5	16	1
Headwaters Turtle Creek	CEB-B	4/15/2024	2	6	5	5	18	10
		7/16/2024	2	6	2	2	14	3
	KNI-A	4/15/2024	14	17	2	3	7	2
		7/16/2024	14	14	8	6	18	5
	TRO-A	4/15/2024	4	15	3	2	18	2
		7/16/2024	5	6	3	3	16	4
	TUR-A	4/15/2024	9	15	8	8	13	3
		7/1/2024	14	6	4	4	14	1
Prairie Creek - Trinity River	PRA-A	4/1/2024	7	6	3	1	4	8
		7/2/2024	16	8	2	1	7	13
South Mesquite Creek	SMC-A	4/1/2024	8	6	8	7	9	14
		7/1/2024	11	7	9	8	16	15
	SMC-B	4/1/2024	7	8	6	4	16	10
		7/1/2024	8	6	2	3	10	7
	SMC-C	4/1/2024	9	9	5	5	3	9
		7/1/2024	8	9	4	3	11	10
Turtle Creek - Trinity River	CEDR-1	4/1/2024	19	15	7	6	13	14
		7/2/2024	4	8	5	5	11	4
	COO-A	3/21/2024	14	6	9	8	14	10
		7/2/2024	20	8	6	6	5	18
White Rock Creek - White Rock Lake	DIX-A	4/15/2024	13	8	6	8	11	8
		7/15/2024	7	7	2	2	11	3

Aquatic Life Use Rating Data Table E-5					
HUC-12 Watershed	Sample ID	Spring 2023		Summer 2023	
Bachman Branch - Elm Fork Trinity River	JOES-1		Unwadeable		Unwadeable
	BAB-B	24	Intermediate	23	Intermediate
	NWDA-1		Unwadeable		Unwadeable
	RIB-A	22	Intermediate	23	Intermediate
City of Dallas – White Rock Creek	ASH-A	20	Limited	26	Intermediate
Delaware Creek - West Fork Trinity River	MOC-A		Unwadeable		Unwadeable
Farmer’s Branch - Elm Fork Trinity River	FARM-1	27	Intermediate	25	Intermediate
Five Mile Creek – Trinity River	FIV-A		Unwadeable		Unwadeable
	NEW-A	22	Intermediate	22	Intermediate
	SEDA-1	25	Intermediate	27	Intermediate
Floyd Branch - White Rock Creek	FLO-A	25	Intermediate	22	Intermediate
	MCK-C	23	Intermediate	24	Intermediate
Headwaters Five Mile Creek	FIV-D	21	Limited	26	Intermediate
Headwaters Ten Mile Creek	TEN-B	29	High	26	Intermediate
	TEN-D	25	Intermediate	30	High
Headwaters Turtle Creek	CEB-B	16	Limited	24	Intermediate
	KNI-A	27	Intermediate	23	Intermediate
	TRO-A	27	Intermediate	22	Intermediate
	TUR-A	21	Limited	24	Intermediate
Prairie Creek - Trinity River	PRA-A	24	Intermediate	20	Limited
South Mesquite Creek	SMC-A	27	Intermediate	25	Intermediate
	SMC-B	20	Limited	25	Intermediate
	SMC-C	23	Intermediate	24	Intermediate
Turtle Creek - Trinity River	CEDR-1	23	intermediate	24	Intermediate
	COO-A	21	Limited	27	Intermediate
White Rock Creek-White Rock Lake	DIX-A	27	Intermediate	27	Intermediate

**Water Quality Data 1**  
**Table E-6a**

HUC-12 Watershed	Sample ID	Collection Date	Temperature (°C)	pH	Turbidity (NTU)	Conductivity (µS/cm)	Dissolved Oxygen (mg/L)	Ammonia (as N) (mg/L)	Nitrate + Nitrite (as N) (mg/L)	Total Phosphorus (as P) (mg/L)	Chemical Oxygen Demand (mg/L)	Total Suspended Solids (mg/L)
Bachman Branch - Elm Fork Trinity River	ELMT-1	5/8/24	25.2	8.05	33	1423	6.76	<0.0508	0.167	0.0340	17.0	32
		7/31/24	29.1	7.77	3	1891	3.79	0.0603	1.68	0.0310	13.0	2
	JOES-1	4/15/24	22.2	7.77	7	765	6.50	<0.0508	2.05	0.0250	<3.36	7
		7/16/24	28.5	7.53	30	613	4.17	0.206	1.66	0.0880	16.0	27
	BAB-B	4/15/24	20.6	8.04	5	683	8.43	0.140	1.87	0.162	6.00	4
		4/15/24	20.6	8.16	6	614	7.86	0.181	1.87	0.175	<3.36	5
	LBAC-1	7/15/24	27.4	7.80	3	751	5.70	<0.0508	0.374	<0.0143	22.0	2
		5/8/24	24.4	8.01	38	241	7.52	0.183	1.32	0.106	15.0	45
	CAC-A	5/8/24	24.1	8.11	44	241	7.61	0.170	1.33	0.101	16.0	41
		8/1/24	27	7.52	27	456	3.82	0.376	1.37	0.0960	4.00	27
	DAN-A	5/8/24	24.9	7.74	27	1042	2.63	3.66	1.24	0.194	17.0	17
		8/1/24	27.3	7.53	19	709	2.78	0.176	1.67	0.160	7.00	17
	NWD-5	5/8/24	23.6	7.50	30	655	1.44	3.66	1.71	0.197	23.0	29
		8/1/24	26.3	7.72	45	772	1.89	3.46	2.27	0.304	<3.36	48
	NWDA-1	5/8/24	24.1	8.68	8	881	9.91	<0.0508	1.02	0.0360	17.0	4
		7/29/24	27	8.42	10	559	8.76	<0.0508	1.12	0.0510	12.0	4
	RIB-A	4/15/24	22.5	7.79	6	903	5.83	0.133	1.87	0.0620	<3.36	7
		7/1/24	32.3	7.96	26	740	10.08	<0.0508	2.35	0.0623	<3.36	29
BAB-C	3/20/24	15	7.51	9	828	7.23	0.0720	0.495	0.178	12.0	6	
	7/1/24	28.8	7.65	7	1141	4.05	<0.0508	2.89	0.0641	6.00	12	
City of Dallas - White Rock Creek	ASH-A	4/15/24	21.0	7.89	10	666	7.19	<0.0508	2.86	0.0340	30.0	7
		7/15/24	28.1	7.73	5	328	5.42	<0.0508	0.110	0.0420	28.0	13
	WHC-A	5/15/24	25.7	8.19	29	327	7.21	<0.0508	1.65	0.0520	<3.36	25
		7/31/24	29.5	7.83	45	333	6.53	<0.0508	0.100	0.0350	<3.36	44

**Water Quality Data 1  
Table E-6a (continued)**

HUC-12 Watershed	Sample ID	Collection Date	Temperature (°C)	pH	Turbidity (NTU)	Conductivity (µS/cm)	Dissolved Oxygen (mg/L)	Ammonia (as N) (mg/L)	Nitrate + Nitrite (as N) (mg/L)	Total Phosphorus (as P) (mg/L)	Chemical Oxygen Demand (mg/L)	Total Suspended Solids (mg/L)
Delaware Creek - West Fork Trinity River	DELA-1	5/8/2024	25.9	7.73	46	456	4.94	0.123	1.47	0.293	19.0	42
		7/31/2024	28.5	7.71	8	466	4.75	<0.0508	0.221	0.183	10.0	3
	LMOC-1	5/8/2024	25.7	7.95	170	497	6.37	0.312	1.31	0.0670	17.0	170
		7/31/2024	28.5	7.87	27	485	5.75	<0.0508	0.165	0.0220	<3.36	29
		3/21/2024	18.3	8.04	20	489	9.89	<0.0508	0.582	0.0360	14.0	20
	MOC-A	7/2/2024	31.1	8.53	88	381	7.53	<0.0508	0.950	0.0777	59.0	84
		7/2/2024	31.1	8.43	77	393	7.48	<0.0508	1.81	0.0620	33.0	78
Duck Creek	LON-B	4/24/2024	19.5	8.01	17	557	8.07	<0.0508	1.10	<0.0143	12.0	13
		8/1/2024	26	7.66	38	567	1.34	2.80	1.38	0.676	9.0	26
Farmer's Branch - Elm Fork Trinity River	EFCB-1	4/25/2024	22.7	8.33	58	353	7.56	0.0928	0.114	0.0630	12.0	62
		7/29/2024	27.9	7.46	81	418	3.85	0.0860	1.02	0.129	29.0	80
	FARM-1	3/20/2024	16.6	8.14	25	376	9.35	<0.0508	0.513	0.102	7.00	25
7/1/2024		30.5	7.78	27	634	4.87	<0.0508	1.81	0.0347	<3.36	36	
Fish Creek - Mountain Creek Lake	ART-A	7/1/2024	30.7	7.82	29	620	4.64	<0.0508	1.57	0.0391	<3.36	37
		5/8/2024	23.3	8.19	41	871	7.67	<0.0508	2.38	0.0170	18.0	45
	MOC-B	7/30/2024	26.7	7.92	14	660	6.34	<0.0508	0.132	<0.0143	<3.36	18
		5/8/2024	23.8	8.38	46	456	7.40	<0.0508	1.13	0.0280	15.0	56
Five Mile Creek - Trinity River	ELA-A	4/17/2024	21.5	7.79	8	707	6.70	<0.0508	0.918	0.0610	19.0	7
		7/31/2024	25.8	7.98	5	689	7.24	<0.0508	0.811	0.0170	<3.36	6
	ELA-B	4/17/2024	22.2	7.81	3	719	6.69	<0.0508	0.943	0.0480	18.0	6
		7/31/2024	27	7.34	8	512	6.09	<0.0508	0.0742	0.0390	4.00	5
	FIV-A	3/28/2024	14.7	7.67	6	727	3.19	<0.0508	0.101	0.200	34.0	0
		7/2/2024	27.5	7.70	26	714	2.97	<0.0508	2.19	0.186	14.0	26
	FIV-B	4/18/2024	23.2	8.02	2	604	7.91	<0.0508	2.18	<0.0143	<3.36	2
		7/29/2024	27.3	7.86	2	427	6.56	<0.0508	1.71	<0.0143	40.0	4
	NEW-A	3/28/2024	13	8.05	4	604	9.37	<0.0508	0.969	0.0930	30.0	6
		7/2/2024	27.7	7.85	6	598	6.33	<0.0508	2.69	0.0117	9.00	7

**Water Quality Data 1  
Table E-6a (continued)**

HUC-12 Watershed	Sample ID	Collection Date	Temperature (°C)	pH	Turbidity (NTU)	Conductivity (µS/cm)	Dissolved Oxygen (mg/L)	Ammonia (as N) (mg/L)	Nitrate + Nitrite (as N) (mg/L)	Total Phosphorus (as P) (mg/L)	Chemical Oxygen Demand (mg/L)	Total Suspended Solids (mg/L)
Five Mile Creek - Trinity River	SDAL-1	4/18/24	22.0	8.12	12	794	7.06	<0.0508	2.08	0.0610	<3.36	11
		7/31/24	26.5	7.99	50	734	6.57	<0.0508	2.83	0.0560	<3.36	50
	SEDA-1	4/1/24	20.1	7.92	6	745	8.05	<0.0508	3.77	0.0500	<3.36	4
		7/15/24	24.7	7.79	4	693	7.31	<0.0508	0.298	0.0420	17.0	0
Floyd Branch - White Rock Creek	COT-C	4/25/24	20.9	8.22	0	789	8.58	0.0701	2.41	0.0170	7.00	000
		7/30/24	26.2	7.70	9	588	5.12	0.430	0.922	0.0540	17.0	11
	FLO-A	3/20/24	16.2	8.48	2	858	11.64	<0.0508	8.47	0.943	11.0	5
		7/1/24	28.8	8.21	12	782	7.52	0.105	14.3	1.93	13.0	12
	MCK-C	3/20/24	14.8	8.07	6	733	9.92	<0.0508	2.16	0.0230	7.00	8
		7/1/24	14.7	8.11	5	742	10.09	<0.0508	2.16	0.0410	7.00	8
Grapevine Creek - Elm Fork Trinity River	HUTT-1	4/25/24	23.2	8.06	29	467	7.78	0.138	0.975	0.0370	10.0	17
		7/29/24	27.6	7.86	29	362	6.56	<0.0508	1.10	0.108	18.0	28
	CRO-A	5/8/24	23.5	8.14	13	661	7.66	<0.0508	3.94	0.0150	8.0	4
		7/30/24	26.4	7.98	6	589	6.95	<0.0508	0.732	0.0170	<3.36	9
		4/18/24	23.0	7.96	4	600	7.28	<0.0508	2.46	0.0200	<3.36	12
Headwaters Five Mile Creek	FIV-C	7/29/24	26.7	7.89	5	420	6.46	<0.0508	1.81	0.0270	5.00	9
		3/21/24	16.7	7.88	0	651	8.63	<0.0508	3.02	0.0210	5.00	0
	FIV-D	7/2/24	28.7	7.87	3	572	6.16	<0.0508	2.52	0.0126	10.0	3
		5/8/24	23.5	8.20	21	648	7.94	<0.0508	4.03	0.0290	<3.36	27
	FIV-E	7/30/24	25.4	7.97	12	630	7.26	<0.0508	0.826	0.0650	35.0	13
		4/18/24	21.0	8.34	0	603	8.45	<0.0508	4.19	<0.0143	4.00	0
	RIC-B	7/29/24	25.3	8.29	0	495	7.86	<0.0508	2.12	0.0290	12.0	0
		4/18/24	22.4	7.76	1	629	6.76	<0.0508	2.27	0.0170	6.00	0
	WOO-A	7/29/24	25.6	7.55	6	447	6.18	<0.0508	1.94	0.0180	7.00	8
		4/18/24	22.0	8.12	12	794	7.06	<0.0508	2.08	0.0610	<3.36	11
		7/31/24	26.5	7.99	50	734	6.57	<0.0508	2.83	0.0560	<3.36	50

**Water Quality Data 1  
Table E-6a (continued)**

HUC-12 Watershed	Sample ID	Collection Date	Temperature (°C)	pH	Turbidity (NTU)	Conductivity (µS/cm)	Dissolved Oxygen (mg/L)	Ammonia (as N) (mg/L)	Nitrate + Nitrite (as N) (mg/L)	Total Phosphorus (as P) (mg/L)	Chemical Oxygen Demand (mg/L)	Total Suspended Solids (mg/L)
Headwaters Ten Mile Creek	TEN-B	3/28/2022	14.2	8.19	4	619	10.19	<0.0508	1.81	<0.0143	18.0	0
		7/2/2024	28.1	8.01	41	556	6.85	<0.0508	2.04	0.0139	<3.36	20
	TEN-D	3/28/2024	14.3	8.05	0	633	9.54	<0.0508	1.86	0.145	24.0	0
		3/28/2024	13.5	8.07	4	645	9.73	<0.0508	1.72	0.0150	23.0	3
	DAEB-1	7/2/2024	28.9	8.06	30	600	7.24	<0.0508	2.38	<0.00959	4.00	33
		5/15/2024	27.8	7.77	45	541	8.23	0.206	1.69	0.150	<3.36	35
	DAEB-2	8/1/2024	25.9	7.31	14	762	4.87	0.306	2.56	0.255	<3.36	19
		5/15/2024	26.5	8.0	46	834	7.43	0.0768	2.40	0.0750	5.00	49
	CBD-2	8/1/2024	26.7	7.64	26	787	3.11	0.0994	2.53	0.0850	5.00	28
		5/15/2024	26.0	8.00	19	788	6.96	0.301	2.33	0.130	<3.36	13
Headwaters Turtle Creek	CEB-B	8/1/2024	26	7.79	17	669	4.93	0.310	2.50	0.265	<3.36	12
		4/15/2024	20.8	7.83	8	993	7.33	<0.0508	2.88	0.0660	<3.36	5
	KNI-A	7/16/2024	26.2	7.55	2	796	5.75	<0.0508	2.08	0.0650	<3.36	0
		7/16/2024	25.9	7.65	0	798	5.73	<0.0508	3.85	0.0690	<3.36	8
	TRO-A	4/15/2024	20.7	8.47	2	682	9.20	0.0920	2.49	0.127	10.0	6
		7/16/2024	28.3	8.20	7	478	8.15	0.440	1.66	0.273	<3.36	8
	TRO-C	4/15/2024	21.9	7.71	21	628	4.71	0.108	1.29	0.137	<3.36	21
		7/16/2024	27.1	7.59	24	840	3.40	0.0630	1.60	0.218	<3.36	25
	TUR-A	5/8/2024	26.0	8.23	6	721	7.58	0.980	3.15	0.156	12.0	8
		8/1/2024	27.6	7.74	10	909	4.98	<0.0508	2.13	0.0160	<3.36	12
TUR-C	4/15/2024	21.2	7.88	13	873	5.20	<0.0508	3.60	0.0560	13.0	10	
	7/1/2024	28.5	7.98	24	854	5.74	<0.0508	4.88	0.0489	<3.36	32	
Headwaters White Rock Creek	UWRC-1	4/25/2024	21.4	8.10	12	556	8.55	0.0642	1.11	0.0270	8.00	10
		7/30/2024	27.2	8.04	8	393	6.58	0.0648	0.154	0.0420	16.0	12
		7/30/2024	27.2	8.04	8	393	6.58	<0.0508	0.168	0.0480	13.0	12
		4/17/2024	20.8	7.65	31	853	7.07	<0.0508	0.400	0.0630	22.0	28
Hickory Creek - Parsons Slough	HIC-D	7/31/202	26.5	7.70	6	693	6.38	<0.0508	0.199	0.0150	24.0	6
		7/31/2024	26.5	7.88	4	689	6.30	<0.0508	0.266	0.120	7.00	6
	ATEN-1	4/17/2024	22.2	7.62	29	503	5.40	0.0640	0.167	0.199	31.0	29
		7/31/2024	26.7	7.43	18	611	5.07	<0.0508	0.104	0.177	11.0	15

**Water Quality Data 1  
Table E-6a (continued)**

HUC-12 Watershed	Sample ID	Collection Date	Temperature (°C)	pH	Turbidity (NTU)	Conductivity (µS/cm)	Dissolved Oxygen (mg/L)	Ammonia (as N) (mg/L)	Nitrate + Nitrite (as N) (mg/L)	Total Phosphorus (as P) (mg/L)	Chemical Oxygen Demand (mg/L)	Total Suspended Solids (mg/L)
Indian Creek - Elm Fork Trinity River	FUR-A	4/25/24	22.4	8.02	17	572	7.41	0.454	0.944	0.0360	13.0	14
		7/29/24	27.3	7.87	22	498	6.14	<0.0508	1.02	<0.0143	<3.36	24
Pitman Creek - Spring Creek	SPC-A	4/24/24	20.1	7.99	26	732	7.96	<0.0508	2.28	0.0300	<3.36	26
		7/30/24	27.5	7.97	6	578	6.86	<0.0508	0.628	<0.0143	<3.36	13
Prairie Creek - Trinity River	PRA-A	4/1/24	20.4	7.83	11	656	7.19	<0.0508	1.13	0.0400	<3.36	11
		7/2/24	27	7.71	9	900	5.43	<0.0508	4.78	0.0182	<3.36	5
	PRAL-2	5/15/24	22.3	8.26	2	550	7.90	<0.0508	1.46	0.0250	9.00	1
South Mesquite Creek	SMC-A	7/31/24	27	7.70	16	500	5.25	<0.0508	0.139	<0.0143	4.00	16
		4/1/24	20.1	7.92	6	733	7.71	<0.0508	1.01	0.0820	<3.36	6
	7/1/24	29.4	7.95	19	821	8.68	<0.0508	1.79	0.0569	16.0	19	
	SMC-B	4/1/24	21	7.85	11	704	7.52	<0.0508	0.891	0.0410	<3.36	10
	7/1/24	28.7	7.80	9	818	4.62	0.0850	1.81	0.0497	7.00	7	
SMC-C	4/1/24	21.1	8.25	5	656	9.04	<0.0508	0.579	0.0180	<3.36	0	
	7/1/24	29.8	7.94	16	812	5.56	0.307	1.41	0.111	14.0	10	
DIX-A	DIX-A	4/24/24	19.9	7.86	21	645	8.15	<0.0508	2.78	0.0230	<3.36	25
		8/1/24	26.6	7.45	11	585	5.75	<0.0508	2.01	<0.0143	<3.36	9
	JAC-A	4/24/24	19.4	7.47	45	443	7.18	0.0610	1.23	0.0960	5.00	57
White Rock Creek - White Rock Lake	JAC-A	7/31/24	28.3	7.42	12	461	4.46	<0.0508	0.0906	<0.0143	10.0	15
		7/31/24	28.5	7.47	19	457	4.34	<0.0508	0.0936	<0.0143	16.0	15
	MCC-A	4/24/24	19.9	7.86	21	645	8.15	<0.0508	2.78	0.0230	<3.36	25
	8/1/24	26.6	7.45	11	585	5.75	<0.0508	2.01	<0.0143	<3.36	9	
	WIL-A	4/24/24	20.4	7.79	39	552	7.38	<0.0508	1.39	0.0420	4.00	43
WHC-C	WIL-A	4/24/24	20.3	7.83	41	557	7.42	<0.0508	1.41	0.0480	8.00	30
		7/31/24	29.1	7.48	25	384	3.01	0.108	0.0635	<0.0143	18.0	23
	WHC-C	4/25/24	21.6	8.12	4	699	8.75	<0.0508	3.17	0.218	<3.36	3
	8/1/24	26.4	7.79	13	589	6.60	<0.0508	6.70	0.909	<3.36	6	

**Water Quality Data 1  
Table E-6a (continued)**

HUC-12 Watershed	Sample ID	Collection Date	Temperature (°C)	pH	Turbidity (NTU)	Conductivity (µS/cm)	Dissolved Oxygen (mg/L)	Ammonia (as N) (mg/L)	Nitrate + Nitrite (as N) (mg/L)	Total Phosphorus (as P) (mg/L)	Chemical Oxygen Demand (mg/L)	Total Suspended Solids (mg/L)
Turtle Creek-Trinity River	CEC-B	5/8/2024	24.3	8.40	0	704	8.71	<0.0508	7.41	0.0330	<3.36	6
		7/30/2024	27.2	8.26	3	557	8.53	<0.0508	0.992	0.0280	4.00	4
	CEDR-1	4/1/2024	20.3	8.13	4	684	8.09	<0.0508	4.26	0.0920	<3.36	3
		7/2/2024	29.5	8.00	25	542	6.62	<0.0508	3.05	0.133	5.00	27
	COO-A	3/21/2024	17.7	7.92	0	748	9.46	<0.0508	6.47	0.0300	6.00	0
		7/2/2024	31.1	8.10	35	604	6.66	<0.0508	3.51	0.0219	18.0	30
	DAWB-3	5/15/2024	25.5	8.36	8	724	9.08	<0.0508	3.34	0.0180	<3.36	7
		8/1/2024	25.7	7.87	14	769	7.24	0.0962	2.26	0.0440	<3.36	14
	FIL-A	5/9/2024	26.3	7.60	69	411	4.78	0.248	1.30	0.0650	19.0	64
		8/1/2024	26.4	7.61	18	689	4.48	<0.0508	1.13	0.0190	5.00	25
	LAC-A	5/9/2024	25.8	8.43	37	202.8	8.44	<0.0508	1.51	0.111	15.0	34
		8/1/2024	27.8	7.61	14	353	3.90	<0.0508	1.26	0.0220	17.0	15
	LAC-B	5/9/2024	21.6	7.37	5	683	2.92	0.161	4.96	0.0900	12.0	9
		8/1/2024	27	7.46	9	469	1.51	0.768	1.47	0.311	15.0	8
	WDAL-1	5/8/2024	26.1	8.00	70	410	6.61	<0.0508	1.65	0.0550	15.0	57
		7/31/2024	26.1	7.73	7	1576	4.68	0.843	0.153	0.0150	<3.36	8
	WDAL-2	5/8/2024	23.1	7.59	30	828	8.05	<0.0508	11.9	0.0270	4.00	37
7/31/2024		28.9	7.30	40	1079	6.52	<0.0508	11.4	0.0500	<3.36	44	



**Water Quality Data 2  
Table E-6b**

HUC-12 Watershed	Sample ID	Collection Date	E. coli (MPN / 100ml)	Total Coliform (MPN / 100ml)	Surfactants (mg/L)	Copper (mg/L)	Iron (mg/L)	Hardness (mg/L)	Flow (cu ft / sec)
Bachman Branch - Elm Fork Trinity River	ELMT-1	05/08/2024	980	>2400	<0.0485	0.0184	0.211	497	No Flow
		07/31/2024	340	>2400	<0.0670	0.00236	0.174	451	11.2
	JOES-1	04/15/2024	2400	>2400	<0.10	0.0334	0.0813	309	Unwadeable
		07/16/2024	690	>2400	<0.0670	0.00191	0.266	224	Unwadeable
	BAB-B	04/15/2024	8.6	140	<0.10	0.0171	0.0305	258	7.3
		04/15/2024	6.2	160	<0.10	0.127	0.0303	254	7.3
	LBAC-1	07/15/2024	260	2400	<0.0670	0.0451	0.0235	288	9.6
		05/08/2024	390	>2400	<0.0360	0.00250	0.637	117	15.7
		05/08/2024	520	>2400	<0.0360	0.00220	0.295	114	15.7
		08/01/2024	44	>2400	<0.0670	0.00137	0.319	176	4.9
	CAC-A	05/08/2024	280	>2400	0.0367	0.0397	1.03	386	3.9
		08/01/2024	27	>2400	0.101	0.00182	0.276	178	Unwadeable
	DAN-A	05/08/2024	1200	>2400	<0.0360	0.00216	0.964	301	Unwadeable
		08/01/2024	130	>2400	0.0905	0.00124	0.253	274	Unwadeable
	NWD-5	05/08/2024	>2400	>2400	0.0367	0.00337	0.0610	375	0.3
		07/29/2024	2000	>2400	<0.0670	0.00372	0.0218	220	0.3
	NWDA-1	04/15/2024	390	>2400	<0.10	0.0328	0.195	274	Unwadeable
		7/1/2024	>2400	>2400	<0.0670	0.00188	0.244	192	Unwadeable
	RIB-A	03/20/2024	650	>2400	<0.10	0.0235	0.336	262	0.7
		7/1/2024	1300	>2400	<0.0670	0.00172	0.172	250	0.4
BAB-C	05/15/2024	690	>2400	0.0502	0.00864	0.0903	378	Unwadeable	
	05/15/2024	290	>2400	0.0502	0.00694	0.0929	383	Unwadeable	
City of Dallas - White Rock Creek	ASH-A	07/30/2024	99	>2400	<0.0670	0.00234	0.0612	225	Unwadeable
		04/15/2024	490	>2400	<0.10	0.00171	0.0897	322	7.4
	WHC-A	07/15/2024	78	2400	0.0688	0.00132	0.0426	154	1.9
05/15/2024		170	>2400	<0.0360	0.0644	0.260	172	Unwadeable	

**Water Quality Data 2  
Table E-6b (continued)**

HUC-12 Watershed	Sample ID	Collection Date	E. coli (MPN / 100ml)	Total Coliform (MPN / 100ml)	Surfactants (mg/L)	Copper (mg/L)	Iron (mg/L)	Hardness (mg/L)	Flow (cu ft / sec)
Delaware Creek - West Fork Trinity River	DELA-1	05/08/2024	1300	>2400	<0.0485	0.0282	0.384	177	4.3
		07/31/2024	100	>2400	0.0709	0.00152	0.142	132	0.9
	LMOC-1	05/08/2024	>2400	>2400	<0.0360	0.129	2.73	233	Unwadeable
		07/31/2024	15	>2400	<0.0670	0.00140	0.126	143	Unwadeable
		03/21/2024	5.2	>2400	0.18	0.0592	0.349	204	Unwadeable
	MOC-A	7/2/2024	1.0	>2400	<0.0670	0.00360	1.06	139	Unwadeable
		7/2/2024	1.0	>2400	<0.0670	0.00160	0.257	135	Unwadeable
Duck Creek	LON-B	04/24/2024	230	>2400	<0.0360	0.00173	0.0613	257	2.5
		08/01/2024	>2400	>2400	0.271	0.00197	0.0974	141	1.4
Farmer's Branch - Elm Fork Trinity River	EFCB-1	04/25/2024	42	>2400	<0.0360	0.00260	0.478	152	Unwadeable
		07/29/2024	1700	>2400	<0.0670	0.00201	1.11	130	Unwadeable
	FARM-1	03/20/2024	150	>2400	<0.10	0.0471	0.200	158	85.1
		7/1/2024	24	>2400	<0.0670	0.0909	0.315	169	44.1
		7/1/2024	41	>2400	<0.0670	0.0276	0.156	168	44.1
Fish Creek - Mountain Creek Lake	ART-A	05/08/2024	330	>2400	<0.0485	0.00125	0.493	524	Unwadeable
		07/30/2024	410	>2400	<0.0670	0.000876	0.185	316	Unwadeable
	MOC-B	05/08/2024	150	>2400	<0.0485	0.00171	0.334	164	Unwadeable
		07/30/2024	7.4	>2400	<0.0670	0.00159	0.0982	147	Unwadeable
		04/17/2024	820	>2400	<0.10	0.00115	0.226	275	22.7
Five Mile Creek - Trinity River	ELA-A	07/31/2024	490	>2400	<0.0670	0.00102	0.159	302	43.7
		04/17/2024	250	>2400	0.71	0.00141	0.205	296	2.8
	ELA-B	07/31/2024	820	>2400	<0.0670	0.00173	0.143	216	4.0
		03/28/2024	17	>2400	<0.10	0.0281	0.105	349	Unwadeable
	FIV-A	7/2/2024	410	>2400	<0.0670	0.000916	0.152	344	Unwadeable
		04/18/2024	93	>2400	<0.10	0.000975	0.0361	309	17.8
	FIV-B	07/29/2024	74	>2400	<0.0670	0.000992	0.0253	214	23.1
		03/28/2024	1700	>2400	<0.10	0.0392	0.0632	333	25.2
	NEW-A	7/2/2024	150	>2400	<0.0670	0.00117	0.0136	263	7.9

**Water Quality Data 2  
Table E-6b (continued)**

HUC Watershed	Sample ID	Collection Date	E. coli (MPN / 100ml)	Total Coliform (MPN / 100ml)	Surfactants (mg/L)	Copper (mg/L)	Iron (mg/L)	Hardness (mg/L)	Flow (cu ft / sec)
Five Mile Creek - Trinity River	SDAL-1	04/18/2024	340	>2400	<0.10	0.00132	0.0628	427	0.8
		07/31/2024	820	>2400	<0.0670	0.00370	0.727	348	0.6
	SEDA-1	04/01/2024	520	>2400	0.11	0.00149	0.103	405	5.9
		07/15/2024	100	>2400	<0.0670	0.00138	0.0897	343	2.2
Floyd Branch - White Rock Creek	COT-C	04/25/2024	980	>2400	<0.0360	0.00152	0.0194	373	12.8
		07/30/2024	>2400	>2400	0.0796	0.00420	0.0680	232	7.0
	FLO-A	03/20/2024	2000	>2400	<0.10	0.00334	0.0320	322	11.6
		7/1/2024	>2400	>2400	<0.0670	0.00553	0.0226	208	6.0
	MCK-C	03/20/2024	440	1700	<0.10	0.00977	0.0446	412	6.6
		03/20/2024	870	>2400	<0.10	0.0252	0.0479	345	6.6
		7/1/2024	1000	>2400	<0.0670	0.00158	0.0241	239	0.9
Grapevine Creek - Elm Fork Trinity River	HUTT-1	04/25/2024	1100	>2400	0.0547	0.00194	0.149	182	Unwadeable
		07/29/2024	>2400	>2400	<0.0670	0.00132	0.153	139	Unwadeable
	CRO-A	05/08/2024	460	>2400	<0.0485	0.000861	0.0497	394	12.4
		07/30/2024	410	>2400	<0.0670	0.00156	0.0677	312	1.9
Headwaters Five Mile Creek	FIV-C	04/18/2024	140	>2400	<0.10	0.000993	0.0432	308	23.6
		07/29/2024	210	>2400	<0.0670	0.00103	0.0374	209	7.2
	FIV-D	03/21/2024	490	>2400	0.15	0.0201	0.0281	377	3.9
		7/2/2024	93	>2400	<0.0670	0.00179	0.00677	248	2.3
	FIV-E	05/08/2024	440	>2400	<0.0485	0.00124	0.0798	368	8.1
		07/30/2024	260	>2400	<0.0670	0.00175	0.0258	240	0.9
	RIC-B	04/18/2024	2000	>2400	<0.10	0.00102	0.0117	313	11.4
		07/29/2024	770	>2400	<0.0670	0.000731	0.0186	244	0.4
	WOO-A	04/18/2024	130	>2400	<0.10	0.000875	0.0559	326	18.8
		07/29/2024	390	>2400	<0.0670	0.00105	0.0506	213	0.7

**Water Quality Data 2  
Table E-6b (continued)**

HUC-12 Watershed	Sample ID	Collection Date	E. coli (MPN / 100ml)	Total Coliform (MPN / 100ml)	Surfactants (mg/L)	Copper (mg/L)	Iron (mg/L)	Hardness (mg/L)	Flow (cu ft / sec)
Headwaters Ten Mile Creek	TEN-B	03/28/2024	250	>2400	<0.10	0.000917	0.0322	313	36.4
		7/2/2024	170	>2400	<0.0670	0.0918	0.0205	221	16.7
	TEN-D	03/28/2024	240	>2400	<0.10	0.0292	0.0323	332	51.1
		03/28/2024	220	>2400	0.13	0.00164	0.0380	319	51.1
	DAEB-1	7/2/2024	190	>2400	<0.0670	0.0649	0.0194	251	14.8
			05/15/2024	72	>2400	0.0457	0.00342	0.259	243
		08/01/2024	1100	>2400	<0.0670	0.0152	0.335	308	2.8
			05/15/2024	390	>2400	0.0502	0.00269	0.376	372
	DAEB-2	08/01/2024	250	>2400	<0.0670	0.00231	0.239	312	6.3
			05/15/2024	2400	>2400	0.0367	0.00419	0.376	360
	CBD-2	08/01/2024	>2400	>2400	<0.0670	0.00425	0.294	246	No Flow
			04/15/2024	870	>2400	<0.10	0.00203	0.0698	388
CEB-B	07/16/2024	730	>2400	<0.0670	0.0135	0.0334	343	1.2	
		07/16/2024	440	>2400	<0.0670	0.0210	0.0340	337	1.2
Headwaters Turtle Creek	KNI-A	04/15/2024	38	>2400	<0.10	0.0259	0.0720	265	16.1
		07/16/2024	<1.0	<1.0	<0.0670	0.00156	0.0382	175	21.0
	TRO-A	04/15/2024	580	>2400	<0.10	0.00163	0.343	215	3.8
		07/16/2024	340	>2400	<0.0670	0.00259	0.610	262	1.3
	TRO-C	05/08/2024	>2400	>2400	<0.0360	0.00288	0.0705	299	63.7
		08/01/2024	3.0	>2400	<0.0670	0.00342	0.0151	353	0.4
	TUR-A	04/15/2024	>2400	>2400	<0.10	0.00337	0.150	343	No Flow
		7/1/2024	1000	>2400	<0.0670	0.00161	0.0787	281	1.6
	TUR-C	05/15/2024	280	>2400	0.0412	0.00532	0.0470	243	Unwadeable
		08/01/2024	80	>2400	<0.0670	0.00340	0.0205	215	Unwadeable
	08/01/2024	110	>2400	<0.0670	0.00394	0.0212	257	Unwadeable	
		04/25/2024	80	>2400	<0.0360	0.00493	0.0941	246	24.5
Headwaters White Rock Creek	UWRC-1	07/30/2024	260	>2400	<0.0670	0.00294	0.0513	153	14.8
		07/30/2024	690	>2400	<0.0670	0.00297	0.0487	152	14.8
		04/17/2024	1700	>2400	<0.10	0.00173	0.547	306	4.8
Hickory Creek - Parsons Slough	HIC-D	07/31/2024	310	>2400	<0.0670	0.00201	0.127	255	6.6
		07/31/2024	210	>2400	<0.0670	0.0869	0.117	261	6.6
	ATEN-1	04/17/2024	820	>2400	<0.20	0.00123	0.813	154	2.1
		04/17/2024	650	>2400	<0.10	0.000900	0.478	127	2.1

**Water Quality Data 2  
Table E-6b (continued)**

HUC-12 Watershed	Sample ID	Collection Date	E. coli (MPN / 100ml)	Total Coliform (MPN / 100ml)	Surfactants (mg/L)	Copper (mg/L)	Iron (mg/L)	Hardness (mg/L)	Flow (cu ft / sec)
Indian Creek - Elm Fork Trinity River	FUR-A	04/25/2024	100	>2400	0.0412	0.00212	0.104	230	Unwadeable
		07/29/2024	78	>2400	<0.0670	0.00222	0.367	175	3.2
Pitman Creek - Spring Creek	SPC-A	04/24/2024	460	>2400	<0.0360	0.00158	0.0648	337	38.2
		07/30/2024	100	>2400	0.0883	0.00194	0.0650	217	28.4
Prairie Creek – Trinity River	PRA-A	04/01/2024	250	>2400	0.19	0.00168	0.187	332	5.6
		7/2/2024	130	>2400	<0.0670	0.00150	0.138	308	10.9
	PRAI-2	05/15/2024	160	>2400	0.0412	0.00153	0.0860	209	Unwadeable
South Mesquite Creek	SMC-A	07/31/2024	260	>2400	<0.0670	0.00143	0.0882	178	Unwadeable
		04/01/2024	240	>2400	0.20	0.0161	0.188	307	25.3
	7/1/2024	17	>2400	<0.0670	0.00159	0.0836	180	9.5	
	SMC-B	04/01/2024	240	>2400	0.24	0.0182	0.153	289	4
	7/1/2024	140	>2400	<0.0670	0.00177	0.0793	183	1.3	
	SMC-C	04/01/2024	88	>2400	0.16	0.0214	0.0403	201	3.2
	7/1/2024	44	>2400	<0.0670	0.00198	0.0817	138	1.3	
White Rock Creek - White Rock Lake	DIX-A	04/15/2024	490	>2400	<0.10	0.00244	0.0530	326	7.6
		07/15/2024	160	>2400	<0.0670	0.00178	0.0480	268	3.1
	JAC-A	04/24/2024	600	>2400	<0.0360	0.00110	0.0544	356	Unwadeable
	08/01/2024	870	>2400	<0.0670	0.00131	0.0462	247	Unwadeable	
	MCC-A	04/24/2024	460	>2400	<0.0360	0.00148	0.154	242	Unwadeable
White Rock Creek - White Rock Lake	MCC-A	07/31/2024	22	>2400	<0.0670	0.000752	0.124	195	Unwadeable
		07/31/2024	18	>2400	<0.0670	0.000702	0.0860	202	Unwadeable
	WIL-A	04/24/2024	920	>2400	<0.0360	0.00130	0.240	286	Unwadeable
	04/24/2024	1000	>2400	<0.0360	0.00136	0.205	276	Unwadeable	
	07/31/2024	21	>2400	<0.0670	0.000932	0.109	141	Unwadeable	
	WHC-C	04/25/2024	390	>2400	<0.0360	0.00272	0.0581	343	26
	08/01/2024	370	>2400	<0.0670	0.00400	0.0698	215	8.5	

**Water Quality Data 2  
Table E-6b (continued)**

HUC-12 Watershed	Sample ID	Collection Date	E. coli (MPN / 100ml)	Total Coliform (MPN / 100ml)	Surfactants (mg/L)	Copper (mg/L)	Iron (mg/L)	Hardness (mg/L)	Flow (cu ft / sec)
Turtle Creek- Trinity River	CEC-B	05/08/2024	2000	>2400	0.0810	0.00161	0.0371	357	14.1
		07/30/2024	1300	>2400	<0.0670	0.00179	0.0168	252	2.1
	CEDR-1	04/01/2024	150	>2400	<0.10	0.0306	0.0333	357	18.2
		7/2/2024	610	>2400	<0.0670	0.0333	0.0433	201	6.2
	COO-A	03/21/2024	220	>2400	0.12	0.0107	0.00775	403	10.2
		7/2/2024	140	>2400	<0.0670	0.00165	0.00508	254	4.9
	DAWB-3	05/15/2024	270	>2400	<0.0360	0.00118	0.0727	349	0.5
		08/01/2024	130	>2400	<0.0670	0.00110	0.137	343	1.0
	FIL-A	05/09/2024	870	>2400	0.0412	0.0281	0.474	187	Unwadeable
		08/01/2024	7.4	>2400	<0.0670	0.00120	0.197	240	Unwadeable
	LAC-A	05/09/2024	240	>2400	0.0547	0.0334	0.185	102	Unwadeable
		08/01/2024	57	>2400	<0.0670	0.00115	0.124	159	Unwadeable
	LAC-B	05/09/2024	>2400	>2400	0.0547	0.0340	0.121	368	No Flow
		08/01/2024	310	>2400	<0.0670	<0.000690	0.306	204	No Flow
	WDAL-1	05/08/2024	650	>2400	<0.0360	0.0270	0.742	214	Unwadeable
		07/31/2024	36	>2400	<0.0670	0.00259	0.262	412	1.1
	WDAL-2	05/08/2024	520	>2400	<0.0485	0.0299	0.0159	446	0.5
		07/31/2024	>2400	>2400	<0.0670	0.00194	0.425	490	No Flow

Water Quality Data (Pesticides 1)									
Table E-6c									
HUC-12 Watershed	Sample ID	Collection Date	4,4'-DDD (µg/L)	4,4'-DDE (µg/L)	4,4'-DDT (µg/L)	Aldrin (µg/L)	alpha-BHC (µg/L)	Atrazine (µg/L)	beta-BHC (µg/L)
Bachman Branch - Elm Fork Trinity River	JOES-1	04/15/2024	<0.000814	<0.00109	<0.00379	<0.00113	<0.00142	<0.313	<0.0038
		07/16/2024	<0.000814	<0.00109	<0.00379	<0.00113	<0.00142	0.565	<0.0038
	BAB-B	04/15/2024	<0.000814	<0.00109	<0.00379	<0.00113	<0.00142	0.465	<0.0038
		04/15/2024	<0.000814	<0.00109	<0.00379	<0.00113	<0.00142	0.312	<0.0038
		07/15/2024	<0.000814	<0.00109	<0.00379	<0.00113	0.00370	0.532	<0.0038
	NWDA-1	04/15/2024	<0.000814	<0.00109	<0.00379	<0.00113	<0.00142	0.657	<0.0038
		7/1/2024	<0.000814	<0.00109	<0.00379	<0.00113	<0.00142	<0.285	<0.0038
	RIB-A	03/20/2024	<0.000814	<0.00109	<0.00379	<0.00113	<0.00142	0.302	<0.0038
7/1/2024		<0.000814	<0.00109	<0.00379	<0.00113	<0.00142	<0.288	<0.0038	
City of Dallas – White Rock Creek	ASH-A	04/15/2024	<0.000814	<0.00109	<0.00379	<0.00113	<0.00142	0.629	<0.0038
		07/15/2024	<0.000814	<0.00109	<0.00379	<0.00113	<0.00142	0.517	<0.0038
Delaware Creek - West Fork Trinity River	MOC-A	03/21/2024	<0.000814	<0.00109	<0.00379	<0.00113	<0.00142	0.425	<0.0038
		07/02/2024	<0.000814	<0.00109	<0.00379	<0.00113	<0.00142	0.535	<0.0038
		07/02/2024	<0.000814	<0.00109	<0.00379	<0.00113	<0.00142	0.574	<0.0038
Farmer's Branch - Elm Fork Trinity River	FARM-1	03/20/2024	<0.000814	<0.00109	<0.00379	<0.00113	<0.00142	1.05	<0.0038
		7/1/2024	<0.000814	<0.00109	<0.00379	<0.00113	<0.00142	<0.282	<0.0038
		7/1/2024	<0.000814	<0.00109	<0.00379	<0.00113	<0.00142	<0.289	<0.0038
Five Mile Creek – Trinity River	FIV-A	03/28/2024	<0.000814	<0.00109	<0.00379	<0.00113	<0.00142	<0.290	<0.0038
		07/02/2024	<0.000814	<0.00109	<0.00379	<0.00113	<0.00142	<0.283	<0.0038
	NEW-A	03/28/2024	<0.000814	<0.00109	<0.00379	<0.00113	<0.00142	<0.325	<0.0038
		07/02/2024	<0.000814	<0.00109	<0.00379	<0.00113	<0.00142	<0.285	<0.0038
	SEDA-1	04/01/2024	<0.000814	<0.00109	<0.00379	<0.00113	<0.00142	<0.286	<0.0038
		07/15/2024	<0.000814	<0.00109	<0.00379	<0.00113	0.00289	<0.284	<0.0038
Floyd Branch - White Rock Creek	FLO-A	03/20/2024	<0.000814	<0.00109	<0.00379	<0.00113	<0.00142	<0.291	<0.0038
		7/1/2024	<0.000814	<0.00109	<0.00379	<0.00113	<0.00142	<0.280	<0.0038
	MCK-C	03/20/2024	<0.000814	<0.00109	<0.00379	<0.00113	<0.00142	<0.283	<0.0038
		03/20/2024	<0.000814	<0.00109	<0.00379	<0.00113	<0.00142	<0.280	<0.0038
		7/1/2024	<0.000814	<0.00109	<0.00379	<0.00113	<0.00142	<0.283	<0.0038
Headwaters Five Mile Creek	FIV-D	03/21/2024	<0.000814	<0.00109	<0.00379	<0.00113	<0.00142	<0.294	<0.0038
		07/02/2024	<0.000814	<0.00109	<0.00379	<0.00113	<0.00142	<0.280	<0.0038

Water Quality Data (Pesticides 1)									
Table E-6c (continued)									
HUC-12 Watershed	Sample ID	Collection Date	4,4'-DDD (µg/L)	4,4'-DDE (µg/L)	4,4'-DDT (µg/L)	Aldrin (µg/L)	Alpha BHC (µg/L)	Atrazine (µg/L)	Beta BHC (µg/L)
Headwaters Ten Mile Creek	TEN-B	03/28/2024	<0.000814	<0.00109	<0.00379	<0.00113	<0.00142	<0.282	<0.00389
		07/02/2024	<0.000814	<0.00109	<0.00379	<0.00113	<0.00142	<0.292	<0.00389
	TEN-D	03/28/2024	<0.000814	<0.00109	<0.00379	<0.00113	<0.00142	<0.290	<0.00389
		03/28/2024	<0.000814	<0.00109	<0.00379	<0.00113	<0.00142	<0.288	<0.00389
		07/02/2024	<0.000814	<0.00109	<0.00379	<0.00113	<0.00142	<0.288	<0.00389
Headwaters Turtle Creek	CEB-B	04/15/2024	<0.000814	<0.00109	<0.00379	<0.00113	<0.00142	<0.288	<0.00389
		07/16/2024	<0.000814	<0.00109	<0.00379	<0.00113	0.00583	0.545	<0.00389
		07/16/2024	<0.000814	<0.00109	<0.00379	<0.00113	<0.00142	0.559	<0.00389
	KNI-A	04/15/2024	<0.000814	<0.00109	<0.00379	<0.00113	<0.00142	<0.287	<0.00389
		07/16/2024	<0.000814	<0.00109	<0.00379	<0.00113	<0.00142	0.602	<0.00389
	TRO-A	04/15/2024	<0.000814	<0.00109	<0.00379	<0.00113	<0.00142	<0.286	<0.00389
		07/16/2024	<0.000814	<0.00109	<0.00379	<0.00113	<0.00142	0.539	<0.00389
	TUR-A	04/15/2024	<0.000814	<0.00109	<0.00379	<0.00113	<0.00142	<0.284	<0.00389
7/1/2024		<0.000814	<0.00109	<0.00379	<0.00113	<0.00142	<0.287	<0.00389	
Prairie Creek - Trinity River	PRA-A	04/01/2024	<0.000814	<0.00109	<0.00379	<0.00113	<0.00142	0.594	<0.00389
		07/02/2024	<0.000814	<0.00109	<0.00379	<0.00113	<0.00142	<0.282	<0.00389
South Mesquite Creek	SMC-A	04/01/2024	<0.000814	<0.00109	<0.00379	<0.00113	<0.00142	1.33	<0.00389
		7/1/2024	<0.000814	<0.00109	<0.00379	<0.00113	<0.00142	<0.285	<0.00389
	SMC-B	04/01/2024	<0.000814	<0.00109	<0.00379	<0.00113	<0.00142	1.10	<0.00389
		7/1/2024	<0.000814	<0.00109	<0.00379	<0.00113	<0.00142	<0.285	<0.00389
	SMC-C	04/01/2024	<0.000814	<0.00109	<0.00379	<0.00113	<0.00142	0.697	<0.00389
		7/1/2024	<0.000814	<0.00109	<0.00379	<0.00113	<0.00142	<0.285	<0.00389
Turtle Creek - Trinity River	CEDR-1	04/01/2024	<0.000814	<0.00109	<0.00379	<0.00113	<0.00142	<0.287	<0.00389
		07/02/2024	<0.000814	<0.00109	<0.00379	<0.00113	<0.00142	<0.290	<0.00389
	COO-A	03/21/2024	<0.000814	<0.00109	<0.00379	<0.00113	<0.00142	<0.289	<0.00389
		07/02/2024	<0.000814	<0.00109	<0.00379	<0.00113	<0.00142	<0.285	<0.00389
White Rock Creek - White Rock Lake	DIX-A	04/15/2024	<0.000814	<0.00109	<0.00379	<0.00113	<0.00142	<0.293	<0.00389
		07/15/2024	<0.000814	<0.00109	<0.00379	<0.00113	0.00312	<0.284	<0.00389



Water Quality Data (Pesticides 2)									
Table E-6d									
HUC-12 Watershed	Sample ID	Collection Date	Chlordane (µg/L)	delta-BHC (µg/L)	Dieldrin (µg/L)	Endosulfan I (µg/L)	Endosulfan II (µg/L)	Endosulfan sulfate (µg/L)	Endrin (µg/L)
Bachman Branch - Elm Fork Trinity River	JOES-1	04/15/2024	<0.103	<0.00245	<0.000953	<0.00107	<0.00122	<0.00112	<0.00156
		07/16/2024	<0.103	<0.00245	0.00191	<0.00107	<0.00122	<0.00112	<0.00156
	BAB-B	04/15/2024	<0.103	<0.00245	<0.000953	<0.00107	<0.00122	<0.00112	<0.00156
		04/15/2024	<0.103	<0.00245	<0.000953	<0.00107	<0.00122	<0.00112	<0.00156
		07/15/2024	<0.103	<0.00245	0.00619	<0.00107	<0.00122	<0.00112	<0.00156
	NWDA-1	04/15/2024	<0.103	<0.00245	<0.000953	<0.00107	<0.00122	<0.00112	<0.00156
		7/1/2024	<0.103	<0.00245	<0.000953	<0.00107	<0.00122	<0.00112	<0.00156
	RIB-A	03/20/2024	<0.103	<0.00245	<0.000953	<0.00107	<0.00122	<0.00112	<0.00156
7/1/2024		<0.103	<0.00245	<0.000953	<0.00107	<0.00122	<0.00112	<0.00156	
City of Dallas – White Rock Creek	ASH-A	04/15/2024	<0.103	<0.00245	0.00420	<0.00107	<0.00122	<0.00112	<0.00156
		07/15/2024	<0.103	<0.00245	0.00414	<0.00107	<0.00122	<0.00112	<0.00156
Delaware Creek - West Fork Trinity River	MOC-A	03/21/2024	<0.103	<0.00245	<0.000953	<0.00107	<0.00122	<0.00112	<0.00156
		07/02/2024	<0.103	<0.00245	<0.000953	<0.00107	<0.00122	<0.00112	<0.00156
		07/02/2024	<0.103	<0.00245	<0.000953	<0.00107	<0.00122	<0.00112	<0.00156
Farmer's Branch - Elm Fork Trinity River	FARM-1	03/20/2024	<0.103	<0.00245	<0.000953	<0.00107	<0.00122	<0.00112	<0.00156
		7/1/2024	<0.103	<0.00245	<0.000953	<0.00107	<0.00122	<0.00112	<0.00156
		7/1/2024	<0.103	<0.00245	<0.000953	<0.00107	<0.00122	<0.00112	<0.00156
Five Mile Creek – Trinity River	FIV-A	03/28/2024	<0.103	<0.00245	<0.000953	<0.00107	<0.00122	<0.00112	<0.00156
		07/02/2024	<0.103	<0.00245	<0.000953	<0.00107	<0.00122	<0.00112	<0.00156
	NEW-A	03/28/2024	<0.103	<0.00245	<0.000953	<0.00107	<0.00122	<0.00112	<0.00156
		07/02/2024	<0.103	<0.00245	<0.000953	<0.00107	<0.00122	<0.00112	<0.00156
	SEDA-1	04/01/2024	<0.103	<0.00245	0.00430	<0.00107	<0.00122	<0.00112	<0.00156
		07/15/2024	<0.103	<0.00245	0.00285	<0.00107	<0.00122	<0.00112	<0.00156
Floyd Branch - White Rock Creek	FLO-A	03/20/2024	<0.103	<0.00245	<0.000953	<0.00107	<0.00122	<0.00112	<0.00156
		7/1/2024	<0.103	<0.00245	<0.000953	<0.00107	<0.00122	<0.00112	<0.00156
	MCK-C	03/20/2024	<0.103	<0.00245	<0.000953	<0.00107	<0.00122	<0.00112	<0.00156
		03/20/2024	<0.103	<0.00245	<0.000953	<0.00107	<0.00122	<0.00112	<0.00156
		7/1/2024	<0.103	<0.00245	<0.000953	<0.00107	<0.00122	<0.00112	<0.00156
Headwaters Five Mile Creek	FIV-D	03/21/2024	<0.103	<0.00245	0.00347	<0.00107	<0.00122	<0.00112	<0.00156
		07/02/2024	<0.103	<0.00245	<0.000953	<0.00107	<0.00122	<0.00112	<0.00156

**Water Quality Data (Pesticides 2)**  
**Table E-6d (continued)**

HUC-12 Watershed	Sample ID	Collection Date	Chlordane (µg/L)	Delta BHC (µg/L)	Dieldrin (µg/L)	Endosulfan I (µg/L)	Endosulfan II (µg/L)	Endosulfan sulfate (µg/L)	Endrin (µg/L)
Headwaters Ten Mile Creek	TEN-B	03/28/2024	<0.103	<0.00245	<0.000953	<0.00107	<0.00122	<0.00112	<0.00156
		07/02/202	<0.103	<0.00245	<0.000953	<0.00107	<0.00122	<0.00112	<0.00156
	TEN-D	03/28/2024	<0.103	<0.00245	<0.000953	<0.00107	<0.00122	<0.00112	<0.00156
		03/28/2024	<0.103	<0.00245	<0.000953	<0.00107	<0.00122	<0.00112	<0.00156
		07/02/2024	<0.103	<0.00245	<0.000953	<0.00107	<0.00122	<0.00112	<0.00156
Headwaters Turtle Creek	CEB-B	04/15/2024	<0.103	<0.00245	0.0392	<0.00107	<0.00122	<0.00112	<0.00156
		07/16/202	<0.103	<0.00245	0.0263	<0.00107	<0.00122	<0.00112	<0.00156
		07/16/2024	<0.103	<0.00245	<0.000953	<0.00107	<0.00122	<0.00112	<0.00156
	KNI-A	04/15/2024	<0.103	<0.00245	0.00366	<0.00107	<0.00122	<0.00112	<0.00156
		07/16/2024	<0.103	<0.00245	<0.000953	<0.00107	<0.00122	<0.00112	<0.00156
	TRO-A	04/15/2024	<0.103	<0.00245	<0.000953	<0.00107	<0.00122	<0.00112	<0.00156
		07/16/202	<0.103	<0.00245	0.0388	<0.00107	<0.00122	<0.00112	<0.00156
	TUR-A	04/15/2024	<0.103	<0.00245	0.00574	<0.00107	<0.00122	<0.00112	<0.00156
7/1/2024		<0.103	<0.00245	<0.000953	<0.00107	<0.00122	<0.00112	<0.00156	
Prairie Creek - Trinity river	PRA-A	04/01/2024	<0.103	<0.00245	<0.000953	<0.00107	<0.00122	<0.00112	<0.00156
		07/02/202	<0.103	<0.00245	<0.000953	<0.00107	<0.00122	<0.00112	<0.00156
South Mesquite Creek	SMC-A	04/01/2024	<0.103	<0.00245	<0.000953	<0.00107	<0.00122	<0.00112	<0.00156
		7/1/2024	<0.103	<0.00245	<0.000953	<0.00107	<0.00122	<0.00112	<0.00156
	SMC-B	04/01/2024	<0.103	<0.00245	<0.000953	<0.00107	<0.00122	<0.00112	<0.00156
		7/1/2024	<0.103	<0.00245	<0.000953	<0.00107	<0.00122	<0.00112	<0.00156
	SMC-C	04/01/2024	<0.103	<0.00245	<0.000953	<0.00107	<0.00122	<0.00112	<0.00156
		7/1/2024	<0.103	<0.00245	<0.000953	<0.00107	<0.00122	<0.00112	<0.00156
Turtle Creek - Trinity River	CEDR-1	04/01/2024	<0.103	<0.00245	0.00635	<0.00107	<0.00122	<0.00112	<0.00156
		07/02/2024	<0.103	<0.00245	<0.000953	<0.00107	<0.00122	<0.00112	<0.00156
	COO-A	03/21/2024	<0.103	<0.00245	0.0191	0.00366	<0.00122	<0.00112	<0.00156
		07/02/2024	<0.103	<0.00245	<0.000953	<0.00107	<0.00122	<0.00112	<0.00156
White Rock Creek - White Rock Lake	DIX-A	04/15/2024	<0.103	<0.00245	<0.000953	<0.00107	<0.00122	<0.00112	<0.00156
		07/15/2024	<0.103	<0.00245	0.00265	<0.00107	<0.00122	<0.00112	<0.00156
		7/13/2023	<0.250	<0.250	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100

Water Quality Data (Pesticides 3)									
Table E-6e									
HUC-12 Watershed	Sample ID	Collection Date	Endrin aldehyde (µg/L)	gamma-BHC (Lindane) (µg/L)	Heptachlor (µg/L)	Heptachlor epoxide (µg/L)	Simazine (µg/L)	Methoxychlor (µg/L)	Toxaphene (µg/L)
Bachman Branch - Elm Fork Trinity River	JOES-1	04/15/202	<0.00118	<0.00299	<0.00446	<0.00134	<0.239	<0.00390	<0.0769
		07/16/202	<0.00118	<0.00299	<0.00446	<0.00134	<0.215	<0.00390	<0.0769
	BAB-B	04/15/202	<0.00118	<0.00299	<0.00446	<0.00134	<0.222	<0.00390	<0.0769
		07/15/2024	<0.00118	<0.00299	<0.00446	<0.00134	<0.219	<0.00390	<0.0769
	NWDA-1	04/15/202	<0.00118	<0.00299	<0.00446	<0.00134	<0.217	<0.00390	<0.0769
		7/1/2024	<0.00118	<0.00299	<0.00446	<0.00134	<0.217	<0.00390	<0.0769
	RIB-A	03/20/202	<0.00118	<0.00299	<0.00446	<0.00134	<0.226	<0.00390	<0.0769
		7/1/2024	<0.00118	<0.00299	<0.00446	<0.00134	<0.219	<0.00390	<0.0769
City of Dallas – White Rock Creek	ASH-A	04/15/202	<0.00118	<0.00299	<0.00446	<0.00134	<0.219	<0.00390	<0.0769
		07/15/202	<0.00118	<0.00299	<0.00446	<0.00134	<0.217	<0.00390	<0.0769
Delaware Creek - West Fork Trinity River	MOC-A	03/21/202	<0.00118	<0.00299	<0.00446	<0.00134	<0.217	<0.00390	<0.0769
		07/02/202	<0.00118	<0.00299	<0.00446	<0.00134	<0.214	<0.00390	<0.0769
		07/02/202	<0.00118	<0.00299	<0.00446	<0.00134	<0.216	<0.00390	<0.0769
Farmer's Branch - Elm Fork Trinity River	FARM-1	3/20/2024	<0.00118	<0.00299	<0.00446	<0.00134	<0.216	<0.00390	<0.0769
		7/1/2024	<0.00118	<0.00299	<0.00446	<0.00134	<0.215	<0.00390	<0.0769
		7/1/2024	<0.00118	<0.00299	<0.00446	<0.00134	<0.220	<0.00390	<0.0769
Five Mile Creek – Trinity River	FIV-A	03/28/202	<0.00118	<0.00299	<0.00446	<0.00134	<0.221	<0.00390	<0.0769
		07/02/202	<0.00118	<0.00299	<0.00446	<0.00134	<0.216	<0.00390	<0.0769
	NEW-A	03/28/202	<0.00118	<0.00299	<0.00446	<0.00134	<0.247	<0.00390	<0.0769
		07/02/202	<0.00118	<0.00299	<0.00446	<0.00134	<0.217	<0.00390	<0.0769
	SEDA-1	04/01/202	<0.00118	<0.00299	<0.00446	<0.00134	<0.217	<0.00390	<0.0769
		07/15/202	<0.00118	<0.00299	<0.00446	<0.00134	<0.216	<0.00390	<0.0769
Floyd Branch - White Rock Creek	FLO-A	03/20/202	<0.00118	<0.00299	<0.00446	<0.00134	<0.222	<0.00390	<0.0769
		7/1/2024	<0.00118	<0.00299	<0.00446	<0.00134	<0.213	<0.00390	<0.0769
	MCK-C	03/20/202	<0.00118	<0.00299	<0.00446	<0.00134	<0.215	<0.00390	<0.0769
		03/20/202	<0.00118	<0.00299	<0.00446	<0.00134	<0.213	<0.00390	<0.0769
		7/1/2024	<0.00118	<0.00299	<0.00446	<0.00134	<0.215	<0.00390	<0.0769
Headwaters Five Mile Creek	FIV-D	03/21/202	<0.00118	<0.00299	<0.00446	<0.00134	<0.224	<0.00390	<0.0769
		07/02/2024	<0.00118	<0.00299	<0.00446	<0.00134	<0.213	<0.00390	<0.0769

**Water Quality Data (Pesticides 3)**  
**Table E-6e**

HUC-12 Watershed	Sample ID	Collection Date	Endrin aldehyde (µg/L)	G-BHC (Lindane) (µg/L)	Heptachlor (µg/L)	Heptachlor epoxide (µg/L)	Simazine (µg/L)	Methoxychlore (µg/L)	Toxaphene (µg/L)
Headwaters Ten Mile Creek	TEN-B	3/21/2023	<0.0100	<0.0100	<0.00900	<0.0100	<9.77	<0.0200	<0.200
		7/11/2023	<0.0100	<0.0100	<0.00900	<0.0100	<9.56	<0.0200	<0.200
	TEN-D	03/28/2024	<0.00118	<0.00299	<0.00446	<0.00134	<0.221	<0.00390	<0.0769
		03/28/2024	<0.00118	<0.00299	<0.00446	<0.00134	<0.219	<0.00390	<0.0769
		07/02/2024	<0.00118	<0.00299	<0.00446	<0.00134	<0.222	<0.00390	<0.0769
Headwaters Turtle Creek	CEB-B	04/15/2024	<0.00118	<0.00299	<0.00446	<0.00134	<0.220	<0.00390	<0.0769
		07/16/2024	<0.00118	<0.00299	<0.00446	0.00310	<0.219	<0.00390	<0.0769
		07/16/2024	<0.00118	<0.00299	<0.00446	<0.00134	<0.220	<0.00390	<0.0769
	KNI-A	04/15/2024	<0.00118	<0.00299	<0.00446	<0.00134	<0.219	<0.00390	<0.0769
		07/16/2024	<0.00118	<0.00299	<0.00446	<0.00134	<0.215	<0.00390	<0.0769
	TRO-A	04/15/2024	<0.00118	<0.00299	<0.00446	<0.00134	<0.217	<0.00390	<0.0769
		07/16/2024	<0.00118	<0.00299	<0.00446	0.00420	<0.215	<0.00390	<0.0769
	TUR-A	04/15/2024	<0.00118	<0.00299	<0.00446	<0.00134	<0.216	<0.00390	<0.0769
7/1/2024		<0.00118	<0.00299	<0.00446	0.00344	<0.219	<0.00390	<0.0769	
Prairie Creek - Trinity River	PRA-A	04/01/2024	<0.00118	<0.00299	<0.00446	<0.00134	<0.219	<0.00390	<0.0769
		07/02/2024	<0.00118	<0.00299	<0.00446	<0.00134	<0.215	<0.00390	<0.0769
South Mesquite Creek	SMC-A	04/01/2024	<0.00118	<0.00299	<0.00446	<0.00134	<0.224	<0.00390	<0.0769
		7/1/2024	<0.00118	<0.00299	<0.00446	<0.00134	<0.217	<0.00390	<0.0769
	SMC-B	04/01/2024	<0.00118	<0.00299	<0.00446	<0.00134	<0.221	<0.00390	<0.0769
		7/1/2024	<0.00118	<0.00299	<0.00446	<0.00134	<0.217	<0.00390	<0.0769
	SMC-C	04/01/2024	<0.00118	<0.00299	<0.00446	<0.00134	<0.222	<0.00390	<0.0769
		7/1/2024	<0.00118	<0.00299	<0.00446	<0.00134	<0.217	<0.00390	<0.0769
Turtle Creek - Trinity River	CEDR-1	04/01/2024	<0.00118	<0.00299	<0.00446	<0.00134	<0.219	<0.00390	<0.0769
		07/02/2024	<0.00118	<0.00299	<0.00446	<0.00134	<0.221	<0.00390	<0.0769
	COO-A	03/21/2024	<0.00118	<0.00299	<0.00446	0.00307	<0.220	<0.00390	<0.0769
		07/02/2024	<0.00118	<0.00299	<0.00446	<0.00134	<0.217	<0.00390	<0.0769
White Rock Creek - White Rock Lake	DIX-A	04/15/2024	<0.00118	<0.00299	<0.00446	<0.00134	<0.223	<0.00390	<0.0769
		07/15/2024	<0.00118	<0.00299	<0.00446	<0.00134	<0.216	<0.00390	<0.0769

**Bacteria Trends – from Rapid Bioassessment Data**

**Table E-7**

Watershed (Sample Location)	Geomean	Percent Improvement	# Samples	Maximum	Minimum	# of Exceedances	Period of Record
<b>Elm Fork Trinity River (Texas Segment 0822)</b>							
Elm Fork Trinity River (ELMT-1)	421	-44%	35	34480	10	27	2009-2024
Furneaux Creek (FUR-A)	84	-56%	41	2400	1	16	2007-2024
Hutton Branch (HUTT-1)	73	-42%	35	2400	6	7	2007-2024
Elm Fork @ Cooks Branch (EFCB-1)	12	-61%	34	1700	1	2	2009-2024
Farmer's Branch (FARM-1)	50	-66%	41	1900	1	10	2007-2024
Joe's Creek (JOES-1)	868	191%	32	32550	108	32	2009-2024
West Joe's Creek (NWDA-1)	169	266%	33	43520	9	16	2009-2024
Upper Bachman Creek (BAB-C)	243	73%	35	921	42	30	2009-2024
Bachman Creek, U/S Bachman Lake (BAB-B)	135	-55%	35	1100	6	25	2007-2024
Bachman Creek (LBAC-1)	83	-40%	33	563	10	8	2009-2024
California Crossing (CAC-A)	62	79%	32	760	1	14	2007-2024
Daniel's Creek (DAN-A)	247	1283%	39	2420	1	19	2007-2024
Richard's Branch (RIB-A)	205	42%	38	2900	1	24	2007-2024
Elm Fork Trinity River (NWD-5)	609	-86%	21	5170	2	18	2009-2024
<b>Lower West Fork Trinity River (Texas Stream Segment 0841)</b>							
<b>Fish Creek – Mountain Creek Lake</b>							
Mountain Creek U/S (MOC-B)	19	220%	41	231	1	3	2007-2024
Artesian Creek (ART-A)	41	186%	37	591	1	9	2007-2024
Delaware Creek (DELA-1)	238	8%	25	241960	1	18	2009-2024
Mountain Creek, D/S (MOC-A)	17	78%	40	1600	1	4	2007-2024
Lower Mountain Creek (LMOC-1)	101	1743%	35	11199	1	14	2009-2024
West Fork Trinity River (WDAL-2)	374	188%	28	2420	20	24	2009-2024
Old Trinity River (Nobles Branch) (WDAL1)	161	-30%	27	9590	10	15	2009-2024

**Note: U/S = upstream, D/S = downstream**

**Bacteria Trends – from Rapid Bioassessment Data (Continued)**

**Table E-7**

Watershed (Sample Location)	Geomean	Percent Improvement	# Samples	Maximum	Minimum	# of Exceedances	Period of Record
<b>Main Stem Trinity River (Texas Stream Segment 0805-04) [Segment from West Fork/Elm Fork confluence to Cedar Creek]</b>							
<b>Headwaters Turtle Creek</b>							
Dallas East Bank Sump (Delta) (U/S) (DAEB-2)	318	-2%	35	487856	1	29	2009-2024
Dallas East Bank Sump (D/S) (DAEB-1)	154	-5%	35	3076	2	18	2009-2024
Knights Branch (KNI-A)	255	20%	39	11199	1	30	2007-2024
Old Trinity River, U/S (TRO-C)	102	-21%	34	2400	1	15	2009-2024
Old Trinity River, D/S (TRO-A)	139	126%	37	2603	1	19	2008-2024
Cedar Branch (CEB-B)	951	74%	33	2420	243	33	2009-2024
Turtle Creek, U/S (TUR-C)	260	-29%	34	1553	34	27	2009-2024
Turtle Creek, D/S (TUR-A)	535	181%	36	11199	69	33	2007-2024
Dallas East Bank, (CBD-2)	1461	54%	32	24196	184	32	2009-2024
<b>Main Stem Trinity River (Texas Stream Segment 0805-04) [Segment from West Fork/Elm Fork confluence to Cedar Creek]</b>							
<b>Turtle Creek – Trinity River (West Bank)</b>							
Fish Trap Lake (FIL-A)	101	359%	36	1467	1	19	2007-2024
Coombs Creek (COO-A)	346	-11%	39	22470	10	34	2007-2024
Dallas West Bank Sump System (DAWB-3)	203	-50%	28	4611	1	19	2009-2024
Lake Cliff (LAC-B)	210	-98%	35	4616	10	26	2009-2024
Lake Cliff (LAC-A)	42	271%	35	16000	1	8	2007-2024
Cedar Creek – U/S (CEC-B)	933	-18%	32	15531	63	31	2009-2024
Cedar Creek – D/S (CEDR-1)	351	-38%	40	1500	70	35	2009-2024
<b>Main Stem Trinity River (Texas Stream Segment 0805-03) [Segment from Cedar Creek to Five Mile Creek]</b>							
<b>Five Mile Creek – Trinity River</b>							
West Sump System (SDAL-1)	447	18%	36	2420	98	35	2009-2024
Honey Springs Branch (SEDA-1)	141	164%	37	2400	6	21	2009-2024
Elam Creek, U/S @175 (ELA-B)	303	-2%	27	1414	17	23	2011-2024
Elam Creek, D/S (ELA-A)	411	-20%	35	24196	28	30	2007-2024

**Note: U/S = upstream, D/S = downstream**

**Bacteria Trends – from Rapid Bioassessment Data (Continued)**

**Table E-7**

Watershed (Sample Location)	Geomean	Percent Improvement	# Samples	Maximum	Minimum	# of Exceedances	Period of Record
<b>Five Mile Creek System</b>							
<b>Headwaters Five Mile Creek</b>							
Five Mile Creek – U/S @ Loop 12 (FIV-E)	203	1%	34	1440	20	27	2007-2024
Five Mile Creek -U/S @ Loop 12 (FIV-D)	165	21%	35	2520	41	20	2007-2024
Crow Creek (CRO-A)	500	7%	34	3654	10	31	2007-2024
Woody Branch (WOO-A)	297	168%	40	9678	64	34	2007-2024
Rickett’s Branch (RIC-B)	243	129%	37	2400	10	29	2007-2024
Five Mile Creek, M/S @ (FIV-C)	165	132%	37	3448	10	23	2007-2024
<b>Five Mile Creek – Trinity River</b>							
Five Mile Creek, M/S @ (FIV-B)	127	-23%	40	2420	10	15	2007-2024
Five Mile Creek, D/S @ SH310 (FIV-A)	77	286%	38	2420	2	11	2007-2024
Newton Creek (NEW-A)	120	-30%	43	1700	1	26	2007-2024
<b>Main Stem Trinity River (Texas Stream Segment 0805-02) [Segment from Five Mile Creek to Ten Mile Creek]</b>							
<b>East Bank – Trinity River</b>							
<b>Upper Prairie Creek – Trinity River</b>							
Prairie Creek, U/S (PRAI 2)	128	-95%	30	1600	10	16	2009-2024
Prairie Creek, D/S (PRA-A)	168	151%	33	771	41	21	2009-2024
<b>Hickory Creek - Parson’s Slough</b>							
Hickory Creek (HIC-D)	219	-51%	34	1700	6	24	2009-2024
Main Stem Above Ten Mile Creek (ATEN-1)	268	4423%	14	1300	30	10	2009-2024
<b>Headwaters Ten Mile Creek</b>							
Ten Mile Creek, U/S (Ten-D)	136	132%	38	12997	10	18	2007-2024
Ten Mile Creek, D/S (Ten-B)	111	35%	45	2282	1	26	2007-2024

**Note: U/S = upstream, D/S = downstream, M/S = midstream**

**Bacteria Trends – from Rapid Bioassessment Data (Continued)**  
**Table E-7**

Watershed (Sample Location)	Geomean	Percent Improvement	# Samples	Maximum	Minimum	# of Exceedances	Period of Record
White Rock Creek System (Texas Stream Segment 0827) [discharges into trinity River Stream Segment 0805-03]							
Headwater White Rock Creek							
White Rock creek Above Lake (UWRC-1)	81	-54%	36	700	3	14	2009-2024
Floyd Branch – White Rock Creek							
McKamy Branch (MCK-C)	328	-26%	35	1017	63	32	2009-2024
Cottonwood Creek (COT-C)	639	107%	36	21200	55	35	2007-2024
Floyd Branch (FLO-A)	526	80%	40	19863	160	40	2007-2024
White Rock Creek – U/S (WHC-C)	201	81%	42	2420	1	31	2007-2024
White Rock Creek – White Rock Lake							
Jackson Branch (JAC-A)	361	18%	41	2420	1	36	2007-2024
Dixon Branch (DIX-A)	370	26%	38	4400	122	37	2007-2024
Williamson Branch (WIL-A)	239	952%	31	2863	1	22	2007-2024
McCommas Creek (MCC-A)	118	180%	43	2420	1	23	2007-2024
City of Dallas – White Rock Creek							
Ash Creek (ASH-A)	121	132%	38	3255	4	21	2007-2024
White Rock Creek below Lake (WHC-A)	134	45%	34	2420	20	15	2007-2024
Lake Ray Hubbard (Texas Stream Segment 0820)							
Pitman Creek – Spring Creek							
Spring Creek (SPC-A)	137	22%	37	1274	10	18	2009-2024
Duck Creek							
Long Branch Creek (LON-B)	478	-38%	32	2420	26	29	2009-2024
East Fork Trinity River (Texas Stream Segment 0819)							
South Mesquite Creek (Reference)							
South Mesquite creek – U/S (SMC-C)	106	-31%	34	3873	1	18	2007-2024
South Mesquite creek – Mid (SMC-B)	108	-35%	39	2420	1	21	2007-2024
South Mesquite creek – D/S (SMC-A)	103	25%	39	2420	10	16	2007-2024

**NOTES: Values indicate change in Geomean over Period of Record**



**Table 8-13 PY 1 CRP Results**

Site Description	Station ID#	Date	E. coli (MPN / 100ml)
Boat Ramp Located on Sylvan @ Trinity River	20933	10/18/2023	71
		1/17/2024	33
		4/17/2024	140
		7/17/2024	34
Standing Wave at Santa Fe Avenue/DART Rail	20934	10/18/2023	58
		1/17/2024	65
		4/17/2024	120
		7/17/2024	23
SH 310 Bridge at Trinity River	20444	10/18/2023	53
		1/17/2024	30
		4/17/2024	340
		7/17/2024	38





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The Dallas City Code

**ARTICLE IX.  
STORMWATER DRAINAGE SYSTEM.**

**SEC. 19-118. DEFINITIONS.**

In this article:

(1) **AGRICULTURAL STORMWATER RUNOFF** means any stormwater runoff from orchards, cultivated crops, pastures, range lands, and other non- point source agricultural activities, but does not include discharges from:

- (A) concentrated animal feeding operations as defined in 40 CFR Section 122.23; or
- (B) concentrated aquatic animal production facilities as defined in 40 CFR Section 122.24.

(2) **ANIMAL WASTE** means:

- (A) animal manure, litter, or bedding;
- (B) water that has contacted animal manure, litter, or bedding;
- (C) water from washing, flushing, or cleaning animal pens; and
- (D) liquid or solid waste from pens used at kennels, animal hospitals, poultry processing facilities, dairies, or rendering plants.

(3) **BEST MANAGEMENT PRACTICES** means schedules of activities, prohibitions of practices, local ordinances, maintenance procedures, structural controls, and other management practices that are implemented to prevent or reduce the discharge of pollutants into the stormwater drainage system, waters of the United States, or state water. Best management practices also include treatment requirements, operating procedures, and practices to control site runoff, spillage or leaks, sludge or waste disposal, or drainage from raw material storage.

(4) **CFR** means the Code of Federal Regulations, as periodically amended.

(5) **CITY** means the city of Dallas, Texas.

(6) **COMMENCEMENT OF CONSTRUCTION** means the initial disturbance of soils associated with clearing, tree removal, demolition, grading, excavating, earth filling, or other construction activities.

(7) **COMMERCIAL** means used in connection with any business, trade, industry, or other business activity engaged in for profit.

(8) **CONSTRUCTION GENERAL PERMIT** means either the general NPDES permit issued by the EPA under 40 CFR Section 122.28, as amended, or the general TPDES permit issued by the TCEQ under Chapter 205, Title 30 of the Texas Administrative Code, as amended, that authorizes stormwater associated with construction activities to be discharged into waters of the

United States or state water, including any subsequent modifications or amendments to the permit, any renewals of the permit, and the associated EPA or TCEQ regulations.

(9) CONSTRUCTION SITE means a tract or parcel of land upon which commencement of construction has occurred, together with any adjacent areas used to access the construction site or to stage construction materials or equipment by easement, license agreement, lease agreement, or other written or verbal agreement. A construction site may include or be solely comprised of one or more platted lots, public rights-of-way, or easements.

(10) CONSTRUCTION SITE NOTICE means the notice required to be posted at a construction site by EPA or TCEQ regulations or by a construction general permit that states a description of the project, the name and contact information of the operator of the construction site, and the location of the stormwater pollution prevention plan for the construction site.

(11) DIRECTOR means the director of the department designated by the city manager to enforce and administer this article, or the director's duly authorized representative.

(12) DISCHARGE means any addition, introduction, release, or flow of any pollutant, stormwater, or other substance, whether separate or mixed, into the stormwater drainage system, waters of the United States, or state water. The term includes any spilling, leaking, pumping, pouring, emitting, emptying, escaping, leaching, dumping, disposing, or other type of release or discharge engaged in, caused, or permitted by a discharger.

(13) DISCHARGER means:

(A) any person who causes, allows, permits, or is otherwise responsible for a discharge, including but not limited to any operator of a construction site or industrial facility; or

(B) any owner or operator of a facility that is the source of a discharge.

(14) DOMESTIC WASTEWATER means the following types of wastewater when free from industrial waste:

(A) Water containing human excrement.

(B) Gray water from home clothes washing, bathing, showers, dishwashing, and food preparation, and other wastewater from household drains.

(C) Waterborne waste normally discharged from the sanitary conveniences of dwellings (including apartment houses and hotels), office buildings, factories, and institutions.

(15) DUST means particles of a substance with a particle diameter of 50 microns or less.

(16) EPA means:

(A) the United States Environmental Protection Agency;

(B) any federal department, agency, or commission that may succeed to the authority of the United States Environmental Protection Agency; and

(C) any duly authorized official of the United States Environmental Protection Agency or any successor agency.

(17) EXTREMELY HAZARDOUS SUBSTANCE means any substance listed in the appendices to 40 CFR Part 355, Emergency Planning and Notification.

(18) FACILITY means any building, structure, installation, equipment, vehicle, vessel, process, activity, construction site, or other property, real or personal, from which there is or may be a discharge.

(19) FERTILIZER means a solid or non-solid substance or compound that contains an essential plant nutrient element in a form available to plants, which substance or compound is used primarily for its essential plant nutrient element content in promoting or stimulating growth of a plant or improving the quality of a crop. The term includes a mixture of two or more fertilizers. The term does not include the excreta of an animal, plant remains, or a mixture of animal and plant remains, for which no claim of essential plant nutrient elements is made.

(20) FINAL STABILIZATION means the status of the ground when:

(A) all soil disturbing activities at a site have been completed; and

(B) either a uniform perennial vegetative cover with a density of 70 percent of the cover for unpaved areas and areas not covered by permanent structures has been established or equivalent permanent stabilization measures (such as the use of riprap, gabions, or geotextiles) have been employed.

(21) FIRE DEPARTMENT means the fire- rescue department of the city.

(22) FIRE PROTECTION WATER means water, including any substance or material contained in the water, that is used by a person other than the fire department to control or extinguish a fire.

(23) GARBAGE means that term as defined in Section 18-2(20) of this code.

(24) GOVERNMENTAL ENTITY means a state agency, county, school district, municipality, or other political subdivision of the state.

(25) HARMFUL QUANTITY means the amount of any substance that will cause pollution in the stormwater drainage system, waters of the United States, or state water.

(26) HAZARDOUS SUBSTANCE means any substance listed in Table 302.4 of 40 CFR Part 302.

(27) HAZARDOUS WASTE means any substance identified or listed as a hazardous waste by the EPA pursuant to 40 CFR Part 261.

(28) HERBICIDE means a chemical pesticide designed to control or destroy plants, weeds, or leaves of grass.

(29) HOUSEHOLD HAZARDOUS WASTE means any material generated in a household (including single and multiple residences, hotels and motels, bunk houses, ranger stations, crew quarters, camp grounds, picnic grounds, and day use recreational areas) by a consumer that, except for the exclusion provided in 40 CFR Section 261.4(b)(1), would be classified as a hazardous waste under 40 CFR Part 261.

(30) INDIVIDUAL PERMIT means either an individual NPDES permit issued by the EPA under 40 CFR Section 122.26, as amended, or an individual TPDES permit issued by the TCEQ under Chapter 205, Title 30 of the Texas Administrative Code, as amended, that authorizes stormwater from a construction site or industrial facility specifically identified in the permit to be discharged into waters of the United States or state water, including any subsequent

modifications or amendments to the permit, any renewals of the permit, and the associated EPA or TCEQ regulations.

(31) INDUSTRIAL FACILITY means a facility that is listed in 40 CFR Section 122.26(b) (14) or that is identified in a multi-sector general permit as being engaged in industrial activity.

(32) INDUSTRIAL WASTE means that term as defined in Section 49-1(49) of this code.

(33) LANDFILL means an area of land or an excavation owned and operated by the city:

(A) in which municipal solid waste is placed for permanent disposal; and

(B) that is not a land treatment facility, a surface impoundment, an injection well, or a pile, as those terms are defined in regulations promulgated by the TCEQ.

(34) MG/L means milligrams per liter.

(35) MOTOR VEHICLE FLUID means any vehicle crankcase oil, antifreeze, transmission fluid, hydraulic fluid, brake fluid, differential lubricant, gasoline, diesel fuel, gasoline/alcohol blend, or other fluid used in a motor vehicle.

(36) MULTI-SECTOR GENERAL PERMIT means either the general NPDES permit issued by the EPA under 40 CFR Section 122.28, as amended, or the general TPDES permit issued by the TCEQ under Chapter 205, Title 30 of the Texas Administrative Code, as amended, that authorizes stormwater from an industrial facility to be discharged into waters of the United States or state water, including any subsequent modifications or amendments to the permit, any renewals of the permit, and the associated EPA or TCEQ regulations.

(37) MUNICIPAL SOLID WASTE means that term as defined in Section 18-2(28) of this code.

(38) NON-POINT SOURCE means any source of discharge of a pollutant that is not a point source.

(39) NOTICE OF CHANGE means a written notification to the TCEQ required by EPA or TCEQ regulations or by the terms governing a multi-sector general permit or construction general permit, informing the TCEQ of changes to information that was provided in a notice of intent or prior notice of change.

(40) NOTICE OF INTENT means the notice of intent application form required by EPA or TCEQ regulations or by the terms governing a multi-sector general permit or construction general permit to obtain NPDES or TPDES permit coverage.

(41) NOTICE OF TERMINATION means the notice of termination required by EPA or TCEQ regulations or by the terms governing a multi-sector general permit or construction general permit to terminate NPDES or TPDES permit coverage.

(42) NPDES (NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM) PERMIT means a permit issued by the EPA under 40 CFR Part 122, as amended, that authorizes the discharge of stormwater into waters of the United States.

(43) OIL means any kind of oil in any form, including, but not limited to:

(A) petroleum, fuel oil, crude oil, or any fraction of those oils that is liquid at standard conditions of temperature and pressure;

- (B) sludge;
- (C) oil refuse;
- (D) oil mixed with other waste;
- (E) animal fat, oil, or grease, including that of fish or marine mammals; and
- (F) vegetable oil, including oil from seeds, nuts, fruits, or kernels.

(44) OPERATOR means any person who, either individually or jointly with another person, has:

(A) operational control over facility specifications or construction plans and specifications, including the ability to make modifications in the plans or specifications;

(B) responsibility for the management of an industrial facility;

(C) day-to-day operational control over those activities at a facility necessary to ensure compliance with pollution prevention requirements and any permit conditions, including compliance with a stormwater pollution prevention plan;

(D) actual physical use or operation of, or supervision of the actual physical use or operation of, a facility; or

(E) operational control that is limited to the employment of other operators.

(45) OWNER means any person who owns or has title, in whole or in part, to a facility that is the source of a discharge.

(46) PERSON means an individual; a private, public, or non-profit corporation; a partnership; an association; a limited liability company; a firm; an industry; a governmental entity; or any other legal entity.

(47) PESTICIDE means any substance or mixture of substances intended:

(A) to prevent, destroy, repel, or mitigate any pest; or

(B) for use as a plant regulator, defoliant, or desiccant, as those terms are defined in Section 76.001 of the Texas Agriculture Code, as amended.

(48) PETROLEUM PRODUCT means a petroleum product that is obtained from distilling and processing crude oil and that is capable of being used as a fuel for the propulsion of a motor vehicle or aircraft, including motor gasoline, gasohol and other alcohol-blended fuels, aviation gasoline, kerosene, distillate fuel oil, and Number 1 and Number 2 diesel. The term does not include naphtha-type jet fuel, kerosene-type jet fuel, or a petroleum product destined for use in chemical manufacturing or feedstock of that manufacturing.

(49) PETROLEUM STORAGE TANK means any one, or a combination of, aboveground or underground storage tanks that contain petroleum products, including any connecting underground pipes.

(50) pH means the logarithm (base 10) of the reciprocal of the hydrogen ion concentration of a solution that provides a relative measure of the acidity or alkalinity of the solution.



(51) POINT SOURCE means any discernable, 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. The term does not include return flows from irrigated agriculture or agricultural stormwater runoff.

(52) POLLUTANT means dredged spoil, dirt, mud, solid waste, incinerator residue, wastewater, garbage, wastewater sludge, munitions, chemical waste, chemical sludge, medical waste, biological materials, radioactive materials, hazardous waste, heat, wrecked or discarded equipment, rock, sand, yard waste, animal waste, industrial, municipal and agricultural waste discharged into water, and any other similar material or substance characterized by state or federal law or EPA or TCEQ regulations as a pollutant. The term does not include tail water or runoff water from irrigation or rainwater runoff from cultivated or uncultivated range land, pasture land, or farm land.

(53) POLLUTION means the alteration of the physical, thermal, chemical, or biological quality of, or the contamination of, any waters of the United States or state water that:

(A) renders the water harmful, detrimental, or injurious to humans, animal life, vegetation, or property, or to the public health, safety, or welfare; or

(B) impairs the usefulness or the public enjoyment of the water for any lawful or reasonable purpose.

(54) REPORTABLE QUANTITY means:

(A) for a hazardous substance, the quantity established and listed in Table 302.4 of 40 CFR Part 302; and

(B) for an extremely hazardous substance, the quantity established in 40 CFR Part 355 and listed in the appendices thereto, or Section 311 of the Clean Water Act as described in 40 CFR Section 117.3.

(55) REPRESENTATIVE STORM EVENT means a precipitation event that:

(A) results in one-tenth inch or more of precipitation, as measured by a rain gauge located within five miles of a construction site or industrial facility;

(B) occurs at least 72 hours after the preceding precipitation event that resulted in one-tenth inch or more of precipitation, as measured by the same rain gauge; and

(C) produces runoff sufficient to obtain a discharge sample.

(56) RUBBISH means nonputrescible solid waste, excluding ashes, that consists of:

(A) combustible waste material, including paper, rags, cartons, wood, excelsior, furniture, rubber, plastic, yard trimmings, leaves, and similar material; and

(B) noncombustible waste material, including glass, crockery, tin cans, aluminum cans, metal furniture, and similar material that does not burn at ordinary incinerator temperatures (1600 to 1800 degrees Fahrenheit).

(57) SECONDARY CONTAINMENT means a container or diversionary structure (such as a bulk storage container, tank, basin, or mobile or portable container) that is designed, installed,

and constructed to catch and contain spillage or leaks from a container that stores oil, used oil, petroleum products, or any pollutant.

(58) SEPTIC TANK WASTE means any domestic wastewater contained in or coming from a holding tank such as a vessel, chemical toilet, camper, trailer, or septic tank.

(59) SITE means the land or water area where any facility is physically located or conducted, including adjacent land used in connection with the facility.

(60) SOLID WASTE means any waste resulting from industrial, municipal, commercial, mining, and agricultural operations or from community and institutional activities, including but not limited to garbage; rubbish; refuse; sludge from a waste treatment plant, water supply treatment plant, or air pollution control facility; or other discarded material including solid, liquid, semi-solid, or contained gaseous material.

(61) SPECIFIC CONDUCTIVITY means the estimated dissolved solid contents in water, as reflected by the ability of the water to conduct electricity and as measured using the testing procedure for specific conductance under 40 CFR 136.3, as amended, or an equivalent method approved by the director.

(62) STANDARD INDUSTRIAL CLASSIFICATION means either:

(A) a standard industrial classification under the Standard Industrial Classification Manual issued by the United States Office of Management and Budget; or

(B) a North American Industry Classification System (NAICS) classification under the U.S. NAICS Manual issued by the United States Office of Management and Budget.

(63) STATE means the State of Texas.

(64) STATE WATER means, to the extent the water is located wholly or partially within the city:

(A) the water of the ordinary flow, underflow, and tides of every river, natural spring, stream, creek, pond, reservoir, estuary, wetland, marsh, inlet, canal, and lake and of every bay or arm of the Gulf of Mexico and the stormwater, floodwater, and rainwater of every river, natural stream, canyon, ravine, depression, and watershed within, upon, or forming the boundaries of the state, and including the beds and banks of all courses and bodies of surface water; and

(B) water that is imported from any source outside the boundaries of the state for use in the state and that is transported through the beds and banks of any navigable stream within the state or by utilizing any facilities owned or operated by the state.

(65) STORMWATER means stormwater runoff, snow or ice melt runoff, and surface and drainage runoff resulting from precipitation that reaches the surface of the earth during a precipitation event.

(66) STORMWATER DISCHARGE ASSOCIATED WITH INDUSTRIAL ACTIVITY means 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, which facility is within one of the categories of facilities listed in 40 CFR Section 122.26(b)(14) or is identified in a multi-sector general permit as being engaged in industrial activity. The term does not include any discharge that is excluded from the EPA's definition of "stormwater discharge associated with industrial activity."

(67) **STORMWATER DRAINAGE SYSTEM** means the system of conveyances and facilities (including roads with drainage systems, city streets, catch basins, curbs, gutters, detention basins, ditches, man-made channels, natural creeks and channels, lakes, rivers, and storm drains) owned and operated by the city that are designed or used exclusively to collect or convey stormwater and that are not designed or used to collect or convey wastewater.

(68) **STORMWATER POLLUTION PREVENTION PLAN** means a plan required by either a construction general permit, a multi-sector general permit, or an individual permit, which plan describes and ensures the implementation of practices to reduce pollutants in stormwater discharges associated with construction or industrial activity at a site or facility.

(69) **TCEQ** means:

(A) the Texas Commission on Environmental Quality;

(B) any state department, agency, or commission that may succeed to the authority of the Texas Commission on Environmental Quality; and

(C) any duly authorized official of the Texas Commission on Environmental Quality or any successor agency.

(70) **TPDES (TEXAS POLLUTANT DISCHARGE ELIMINATION SYSTEM) PERMIT** means a permit issued by the TCEQ under Chapter 205, Title 30 of the Texas Administrative Code, as amended, that authorizes the discharge of stormwater into waters of the United States or state water.

(71) **UNCONTAMINATED** means not containing a harmful quantity of a pollutant.

(72) **USED OIL** means any oil that:

(A) has been refined from crude oil or a synthetic oil;

(B) as a result of use, storage, or handling, has become unsuitable for its original purpose because of impurities or the loss of original properties; and

(C) may be suitable for further use and is recyclable in compliance with state and federal law.

(73) **WASTEWATER** means domestic wastewater, industrial waste, or other water-carried waste that is discharged into the wastewater system and passes through the wastewater system to the city's wastewater treatment plant for treatment.

(74) **WASTEWATER SYSTEM** means the system of pipes, conduits, and other conveyances owned and operated by the city that carries industrial waste and domestic wastewater, whether treated or untreated, from residential dwellings, commercial buildings, industrial and manufacturing facilities, and institutions to the city's wastewater treatment plant, and into which system stormwater, surface water, and groundwater are not intentionally admitted.

(75) **WATER QUALITY STANDARD** means the designation of a body or segment of surface water in the state for desirable uses and the narrative and numerical criteria deemed by the state to be necessary to protect those uses, as specified in Chapter 307, Title 30 of the Texas Administrative Code, as amended.

## (76) WATERS OF THE UNITED STATES:

(A) means, to the extent the waters are located wholly or partially within the city:

(i) all waters that are currently used, were used in the past, or may be susceptible to use in interstate or foreign commerce, including all waters subject to the ebb and flow of the tide;

(ii) all interstate waters, including interstate wetlands;

(iii) all other waters the use, degradation, or destruction of which would affect or could affect interstate or foreign commerce;

(iv) all impoundments of waters otherwise defined as waters of the United States under this definition;

(v) all tributaries of waters identified in this definition;

(vi) all wetlands adjacent to waters identified in this definition; and

(vii) any waters within the federal definition of the term as described in 40 CFR Section 122.2, as amended; and

(B) does not include any waste treatment systems, treatment ponds, or lagoons designed to meet the requirements of the federal Clean Water Act.

(77) WETLANDS means an area that is inundated or saturated by surface water or groundwater at a frequency and duration sufficient to support, and that under normal circumstances does support, a prevalence of vegetation typically adapted for life in saturated soil conditions. Wetlands generally include swamps, marshes, bogs, and similar areas.

(78) YARD WASTE means leaves, grass clippings, yard and garden debris, and brush that result from landscaping maintenance and land-clearing operations. (Ord. Nos. 24033; 27697; 28461)

### **SEC. 19-118.1. ENFORCEMENT.**

(a) The director, the city environmental health officer, and any code compliance officer have the power to enforce this article.

(b) The municipal court has the power to issue administrative search warrants, or other process allowed by law, to a police officer, the director, the city environmental health officer, or a code compliance officer of the city where necessary to aid in enforcing this article.

(c) A person who violates any provision of this article is guilty of a separate offense for each day or portion of a day during which the violation is continued. Each offense is punishable by a fine of not less than \$250 and not more than \$2,000.

(d) The culpable mental state required for the commission of an offense under this article is governed by Section 1-5.1 of this code.

(e) A person is criminally responsible for a violation of this article if the person:

(1) commits or assists in the commission of the violation or causes or permits another person to commit the violation; or

(2) owns, operates, or manages a site or facility determined to be the cause of the violation.

(f) This article may also be enforced by civil court action as provided by state or federal law.

(g) This article, to the extent applicable to the activity or facility permitted, is incorporated by reference as part of any construction permit, street or sidewalk cut permit, fill permit, or plat approval or other development approval process required by this code. If a person who has received one of the permits or approvals mentioned in this subsection violates an applicable provision of this article, the director may issue a correction order for the site, activity, or facility where the violation occurred. If the violation is not corrected within the time period stipulated in the correction order, the director may either:

(1) revoke or cause the revocation of the permit or approval; or

(2) halt the permitted or approved activity or facility until the violation is abated or corrected. (Ord. Nos. 24033; 28461)

### **SEC. 19-118.2. PROHIBITED DISCHARGES.**

(a) A person commits an offense if he discharges or causes to be discharged any water that does not consist entirely of stormwater into the stormwater drainage system, waters of the United States, or state water.

(b) It is a defense to prosecution under Subsection (a) that a discharge of water not composed entirely of stormwater resulted or occurred exclusively from one or more of the following sources, activities, or events:

(1) Full compliance with an NPDES permit or TPDES permit, other than the NPDES permit or TPDES permit granted to the city for discharges from the stormwater drainage system.

(2) Fire fighting by the fire department.

(3) Agricultural stormwater runoff.

(4) Water line flushing, excluding a flushing from water line disinfection by superchlorination or other means unless:

(A) the total chlorine residual has been reduced to less than one mg/L;

(B) the discharge does not contain any hazardous substance or exceed the specific surface water quality standards established in Chapter 307, Title 30 of the Texas Administrative Code, as amended; and

(C) the discharge does not cause erosion of soil.

(5) Lawn watering, landscape irrigation, or other irrigation water.

(6) A diverted stream flow or natural spring.

(7) Uncontaminated pumped groundwater or rising groundwater.

(8) Uncontaminated groundwater infiltration, as that term is defined in 40 CFR Section 35.2005(b)(20), into the stormwater drainage system.

- (9) A foundation drain, crawl space pump, footing drain, or sump pump, if the discharge is uncontaminated.
- (10) A potable water source that does not contain:
- (A) a harmful quantity of a pollutant; or
  - (B) any harmful substance or material from the cleaning or draining of a storage tank or other container.
- (11) Air conditioning condensation that is unmixed with water from a cooling tower, emissions scrubber, emissions filter, or other source of pollutant.
- (12) Individual residential car washing.
- (13) A riparian habitat or wetlands.
- (14) Water used in washing streets, sidewalks, parking lots, driveways, or other structures that is not contaminated with any soap, detergent, degreaser, solvent, emulsifier, dispersant, or a harmful quantity of any other cleaning substance.
- (15) Stormwater runoff from a roof that is not contaminated by any runoff or discharge from an emissions scrubber, emissions filter, or other source of pollutant.
- (16) Swimming pool water that:
- (A) has been dechlorinated so that total chlorine residual is less than one mg/L;
  - (B) is not able to be discharged into the wastewater system because:
    - (i) the swimming pool discharge point is located more than 200 linear feet from the closest access point to the wastewater system; or
    - (ii) the property on which the swimming pool is located:
      - (aa) does not receive service from the city's wastewater system; and
      - (bb) is not served by an on-site wastewater treatment facility with adequate capacity to receive the discharge of the swimming pool water;
  - (C) is not the result of pool filter backwash; and
  - (D) does not contain:
    - (i) any chemical used in the treatment or disinfection of swimming pool water or in pool cleaning;
    - (ii) a pH of the water of less than five;
    - (iii) algaecides or visible algae; or
    - (iv) a specific conductivity in excess of 150 micromhos per centimeter at 25 degrees Centigrade.
- (17) A temporary car wash sponsored by a civic group, school, or a religious or other nonprofit organization.

(18) Other allowable non-stormwater discharges listed in 40 CFR Section 122.26(d)(2)(iv)(B)(1), as amended.

(c) No defense to prosecution is available under Subsection (b) if:

(1) the discharge in question has been determined by the director to be the source of a pollutant to the stormwater drainage system, waters of the United States, or state water;

(2) written notice of such determination has been provided to the discharger; and

(3) the discharge has occurred more frequently than or beyond the limits permitted by the director on a case by case basis.

(d) In any civil or criminal action, the discharger has the burden of proving that a discharge in violation of Subsection (a) is uncontaminated or falls within a defense to prosecution under Subsection (b). Prima facie proof that a discharge is uncontaminated must be made in the form of an analysis by a certified laboratory, using standard methods or procedures prescribed by EPA or TCEQ regulations. A copy of the laboratory analysis must be sent to the director.

(e) A person commits an offense if he discharges or causes to be discharged into the stormwater drainage system, waters of the United States, or state water a pollutant or substance that causes or contributes in causing the city to violate a water quality standard, the city's NPDES permit or TPDES permit, or any state- issued discharge permit for discharges from the city's stormwater drainage system.

(f) A person commits an offense if he discharges or allows or permits the discharge of any of the following into the stormwater drainage system:

(1) Oil, used oil, or any motor vehicle fluid.

(2) Industrial waste.

(3) Hazardous waste, including household hazardous waste.

(4) Domestic wastewater, septic tank waste, grease trap waste, or grit trap waste.

(5) Garbage, rubbish, or yard waste.

(6) Wastewater from:

(A) any commercial vehicle washing facility, including any commercial car wash located on the premises of any office building or in any parking garage;

(B) any vehicle washing, cleaning, or maintenance at any new or used automobile or other vehicle dealership, rental agency, body shop, repair shop, or maintenance facility;

(C) any washing, cleaning, or maintenance of any business, commercial, or public service vehicle (including a truck, bus, or heavy equipment) by a business or public entity that operates more than two of such vehicles;

(D) the washing, cleaning, de-icing, or other maintenance of aircraft;

(E) any mobile power washing operation if the wastewater contains a harmful quantity of any soap, detergent, degreaser, solvent, emulsifier, dispersant, or other cleaning substance or pollutant;

(F) floor, rug, or carpet cleaning;

(G) the washdown or other cleaning of pavement if the wastewater contains a harmful quantity of any soap, detergent, solvent, degreaser, emulsifier, dispersant, or other cleaning substance or pollutant;

(H) the washdown or other cleaning of any pavement where any spill, leak, or other release of oil, motor fuel, or other petroleum product or hazardous substance has occurred, unless all harmful quantities of the released material have been previously removed; or

(I) a portable restroom or other temporary sanitary facility.

(7) Effluent from a cooling tower, condenser, compressor, emissions scrubber, or emissions filter or the blowdown from a boiler.

(8) Ready-mixed concrete, mortar, ceramic or asphalt base material, or hydromulch material, or wastewater from the cleaning of vehicles or equipment containing or used in transporting or applying such material.

(9) Runoff or washdown water from any animal pen, kennel, or fowl or livestock containment area.

(10) Filter backwash from a swimming pool, fountain, or spa.

(11) Swimming pool water that:

(A) has a total chlorine residual of one mg/L or more;

(B) is from a swimming pool with a discharge point located 200 linear feet or less from the closest access point to the wastewater system;

(C) is from a swimming pool that is served by an on-site wastewater treatment facility with adequate capacity to receive the discharge of the swimming pool water; or

(D) contains:

(i) a quantity of muriatic acid sufficient to reduce the pH of the water to less than five;

(ii) any other chemical used in the treatment or disinfection of swimming pool water or in pool cleaning;

(iii) algaecides or visible algae; or

(iv) a specific conductivity in excess of 150 micromhos per centimeter at 25 degrees Centigrade.

(12) Discharge from water line disinfection by superchlorination or other means if:

(A) the total chlorine residual is at one mg/L or more;

(B) the discharge contains any hazardous substance or exceeds the specific surface water quality standards established in Chapter 307, Title 30 of the Texas Administrative Code, as amended; or

(C) the discharge causes erosion of the soil.



(13) Fire protection water containing oil or a hazardous substance or material, unless treatment adequate to remove pollutants occurs prior to discharge, except that this prohibition does not apply to discharges or flow from fire fighting by the fire department.

(14) Water from a water curtain in a spray room used for painting vehicles or equipment.

(15) Contaminated runoff from a vehicle wrecking yard.

(16) Any substance or material that will damage, block, or clog the stormwater drainage system.

(17) Any discharge from a petroleum storage tank, any leachate or runoff from soil contaminated by a leaking petroleum storage tank, or any discharge of pumped, confined, or treated wastewater from the remediation of a petroleum storage tank release, unless the discharge complies with all state and federal standards and requirements and does not contain a harmful quantity of any pollutant.

(18) Any paint, finish, or paint cleaning material, including but not limited to auto body paint, latex paint, wood finishing material, texturing product, varnish, paint thinner, or paint solvent of any kind.

(19) A harmful quantity of dust resulting from sanding, grinding, cutting, sawing, or storage of any materials.

(g) A person commits an offense if he discharges into the stormwater drainage system a harmful quantity of sediment, silt, earth, soil, or other material associated with:

(1) clearing, grading, excavating, or other construction activities; or

(2) landfilling or other placement or disposal of soil, rock, or other earth materials in excess of what could be retained on site or captured by employing sediment and erosion control measures to the maximum extent practicable.

(h) A person commits an offense if he connects a line that conveys domestic wastewater or industrial waste to the stormwater drainage system or knowingly allows such a connection to continue. (Ord. Nos. 24033; 28461)

### **SEC. 19-118.3. REGULATION OF PESTICIDES, HERBICIDES, AND FERTILIZERS.**

(a) Any sale, distribution, application, labeling, manufacture, transportation, storage, or disposal of a pesticide, herbicide, or fertilizer within the city must comply fully with all applicable state and federal statutes and regulations, including but not limited to:

(1) the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA);

(2) federal regulations promulgated pursuant to FIFRA; and

(3) applicable provisions of Chapters 63 and 76 of the Texas Agriculture Code, as amended, and state regulations promulgated pursuant to those chapters.

(b) A license, permit, registration, certification, or evidence of financial responsibility required by state or federal law for the sale, distribution, application, manufacture,

transportation, storage, or disposal of a pesticide, herbicide, or fertilizer must be presented to the director, the environmental health officer, any city code compliance officer, and any police officer for examination upon request.

(c) No person shall, within the city, use or cause to be used any pesticide or herbicide contrary to any directions for use on any labeling required by state or federal statute or regulation.

(d) No person shall, within the city, use, dispose of, discard, store, or transport a pesticide, herbicide, or fertilizer or a pesticide, herbicide, or fertilizer container in a manner that the person knows or reasonably should know is likely to cause, or does cause, a harmful quantity of the pesticide, herbicide, or fertilizer to enter the stormwater drainage system, waters of the United States, or state water. (Ord. Nos. 24033; 28461)

#### **SEC. 19-118.4. USED OIL REGULATION; HOUSEHOLD HAZARDOUS WASTE.**

(a) A person commits an offense if he:

(1) discharges used oil into the stormwater drainage system, into a private drainage system that feeds into the stormwater drainage system, or into any septic tank, surface water, groundwater, or watercourse within the city;

(2) mixes or commingles used oil with solid waste that is to be disposed of in a landfill, or knowingly and directly disposes of used oil on land or in a landfill; or

(3) applies used oil to a road or land for dust suppression, weed abatement, or other similar use that introduces used oil into the environment.

(b) All businesses that change motor oil for the public, all municipal landfills, and all fire stations are encouraged to serve as public used-oil collection centers as provided for in Section 371.024 of the Texas Health and Safety Code, as amended.

(c) Any retail dealer that annually sells directly to the public more than 500 gallons of oil in containers for use off premises shall post in a prominent place on its premises a sign, provided by the city or by the state, informing the public that improper disposal of used oil is prohibited by law. The sign must prominently display the toll-free telephone number of the state used-oil information center.

(d) Household hazardous waste must be segregated from other household waste and discarded only at certain specified locations, such as at a Dallas County household hazardous waste collection event or at the permanent household hazardous waste collection site. (Ord. Nos. 24033; 28461)

#### **SEC. 19-118.5. DISCHARGE PREVENTION, REPORTING, AND CLEANUP.**

(a) A secondary containment device used by an operator as a best management practice or installed or constructed in accordance with a stormwater pollution prevention plan must:

(1) be designed, installed, and constructed in a manner sufficient to contain a spill or leak from the storage container and prevent a discharge;

(2) have:

(A) an overflow protection device, such as a direct vision gauge, an alarm with audible or visual signal, or a bypass to an alternate containment device;

(B) sufficient freeboard to prevent spillage from an uncovered storage container; and

(C) a controlled drainage system; and

(3) hold:

(A) a volume of at least:

(i) 110 percent of the storage container volume for a single storage container; or

(ii) 150 percent of the volume of the largest storage container or 110 percent of the aggregate volume of all storage containers, whichever is greater, for multiple storage containers; and

(B) an additional capacity of at least:

(i) 4.5 inches of rainwater, if the secondary containment device is open to precipitation; and

(ii) the amount of water produced by 20 minutes of flow from all fire sprinkler heads, if any, situated over the secondary containment device.

(b) Discharge materials must be discharged to separate containment devices or systems if, when combined, the materials could cause:

(1) a fire;

(2) an explosion;

(3) a flammable, toxic, or poisonous gas; or

(4) the deterioration of a storage container or secondary containment device.

(c) An operator shall keep the drainage system of a secondary containment device closed and any drainage pumps turned off, except when the drainage process is monitored for compliance with the surface water quality standards set forth in Chapter 307, Title 30 of the Texas Administrative Code, as amended.

(d) No operator may release accumulated rainwater or sprinkler flow water from a secondary containment device until the operator has received confirmation from an EPA-certified laboratory that the water to be discharged meets the surface water quality standards set forth in Chapter 307, Title 30 of the Texas Administrative Code, as amended. A copy of the laboratory analysis must be provided to the director upon request.

(e) A discharger of a reportable quantity of a hazardous or extremely hazardous substance into the stormwater drainage system, waters of the United States, or state water shall telephone and notify the director, the TCEQ, and the fire department immediately after becoming aware of the discharge. A discharger of a reportable quantity of any of the following substances into the stormwater drainage system, waters of the United States, or state water shall telephone and notify the director concerning the incident within 24 hours after its occurrence:

(1) An amount of oil that either:

(A) violates applicable water quality standards; or

(B) causes a film or sheen upon, or discoloration of, the surface of the water or an adjoining shoreline, or causes a sludge or emulsion to be deposited beneath the surface of the water or upon an adjoining shoreline.

(2) A harmful quantity of any other pollutant that is not a hazardous or extremely hazardous substance but has been discharged in a quantity that exceeds surface water quality standards as set forth in Chapter 307, Title 30 of the Texas Administrative Code, as amended.

(f) The notification required by Subsection (e) of this section must include all of the following information:

(1) The identity or chemical name of the substance released and whether the substance is an extremely hazardous substance.

(2) The exact location of the discharge, including any known name of the waters involved or threatened and any other environmental media affected.

(3) The time and duration of the discharge at the moment of notification.

(4) An estimate of the quantity and concentration, if known, of the substance discharged.

(5) The source of the discharge.

(6) Any known or anticipated health risks associated with the discharge and, where appropriate, advice regarding medical attention that may be necessary for exposed individuals.

(7) Precautions that should be taken as a result of the discharge.

(8) Steps that have been taken to contain or clean up the discharged substance and related material and to minimize the impact of the discharge.

(9) The name and telephone number of each person to be contacted for further information.

(g) Within 15 days after a discharge under this section, the discharger shall, unless expressly waived in writing by the director, submit a written report containing each item of information required by Subsection (f), as well as the following additional information:

(1) The ultimate duration, concentration, and quantity of the discharge.

(2) All actions taken to respond to, contain, and clean up the discharged substances, and all precautions taken to minimize the impact of the discharge.

(3) Any known or anticipated acute or chronic health risks associated with the discharge.

(4) Where appropriate, advice regarding medical attention necessary for exposed individuals.

(5) The identity of each governmental entity and private sector representative responding to the discharge.

(6) Measures taken or to be taken by the discharger to prevent similar future occurrences.

(h) The notifications required by Subsections (f) and (g) of this section do not relieve the discharger from any expense, loss, damage, or other liability that may be incurred as a result of the discharge, including any liability for damage to the city, to natural resources, or to any other person or property. The notifications also do not relieve the discharger from any fine, penalty, or other liability that may be imposed under this article or under state or federal law.

(i) A release report required by a state or federal regulatory authority that contains the information described in Subsections (f) and (g) of this section meets the reporting requirements of Subsection (g), upon submittal of the report to the director.

(j) The owner or operator of any facility, vehicle, or other source responsible for a discharge described in Subsection (e) of this section shall:

(1) comply with all state, federal, and local law requiring reporting, cleanup, containment, and any other appropriate remedial action in response to the discharge; and

(2) reimburse the city for any costs incurred by the city in responding to the discharge.

(k) A discharger commits an offense if he:

(1) fails or refuses to report the discharge within the time required by Subsection (e) after becoming aware of the discharge;

(2) knowingly provides false or incorrect information in a notification or report required under this section; or

(3) fails or refuses to take the necessary action to clean up pollution or damage to the stormwater drainage system, waters of the United States, or state water, or to other property, that is caused by the discharge. (Ord. Nos. 24033; 28461)

#### **SEC. 19-118.6. STORMWATER DISCHARGES FROM CONSTRUCTION ACTIVITIES.**

(a) An operator of a construction site shall comply with all terms and conditions of a construction general permit or an individual permit, whichever is obtained for or applicable to the construction site. An operator of a construction site shall provide the director with a copy of the stormwater pollution prevention plan required by the construction general permit or individual permit and shall implement best management practices to control and minimize the discharge into the stormwater drainage system, waters of the United States, and state water of any sediment, silt, earth, soil, or other material from the construction site. Erosion control elements meeting the criteria for best management practices must be installed before any construction site is established in accordance with an installation schedule as specified in a stormwater pollution prevention plan required by the construction general permit or individual permit.

(b) The best management practices referred to in Subsection (a) of this section may include, but are not limited to, the following measures:

(1) Ensuring that existing vegetation is preserved where feasible and that disturbed portions of the site are stabilized as soon as practicable in portions of the site where construction activities have temporarily (as described in EPA and TCEQ regulations) or permanently ceased. Stabilization measures may include:

- (A) temporary or permanent seeding;
- (B) mulching;
- (C) geotextiles;
- (D) sod stabilization;
- (E) vegetative buffer strips;
- (F) protection of trees;
- (G) preservation of mature vegetation; and
- (H) other appropriate measures.

(2) Using structural practices to divert flows from exposed soils, store flows, or otherwise limit runoff and the discharge of pollutants from the site to the maximum extent feasible.

(3) Minimizing the tracking of sediments off site by vehicles, the generation of dust, and the escape of other windblown waste from the site.

(4) Preventing the discharge of building materials, including cement, lime, concrete, concrete washout water, concrete residue, and mortar, into the stormwater drainage system, waters of the United States, or state water.

(5) Providing general good housekeeping measures to prevent and contain spills of paints, solvents, fuels, septic waste, and other hazardous chemicals and pollutants associated with construction, and to ensure proper cleanup and disposal of any spills in compliance with state, federal, and local requirements;

(6) Implementing effective waste disposal and waste management techniques, including providing secondary containment, covering waste materials, and minimizing ground contact with hazardous chemicals and trash.

(7) Providing for the timely maintenance of vegetation, erosion, and sediment control devices, and other best management practices to keep vegetation, erosion, and sediment control devices in good and effective operating condition.

(8) Installing structural measures during the construction process to control pollutants in stormwater discharges that will occur during construction activities and after construction operations have been completed. Structural measures should be placed on upland soils to the degree attainable. Installed structural measures may include, but are not limited to:

- (A) stormwater detention structures, including wet ponds;
- (B) stormwater retention structures;
- (C) flow attenuation by use of open vegetative swales and natural depressions;
- (D) other velocity dissipation devices;
- (E) infiltration of runoff on site; and
- (F) sequential systems that combine several practices.

(9) Preventing dust caused by the sanding, grinding, cutting, or sawing of any materials from accumulating in an area greater than 25 square feet.

(10) Taking all of the following actions for an on-site concrete batch plant used in connection with the construction site:

(A) Constructing continuous interior berms around all:

(i) concrete batch plant equipment, including but not limited to concrete mixing equipment, silos, concrete drop points, conveyor belts, and admixture tanks;

(ii) concrete truck loading and unloading areas; and

(iii) concrete truck washout facilities.

(B) Directing all stormwater and non- stormwater from the concrete batch plant to containment ponds, tanks, or other stormwater detention structures.

(C) Providing on-site lined concrete batch plant washout facilities with sufficient volume to contain all liquid and waste generated by on-site concrete batch plant operations.

(D) Conforming on-site concrete batch plant operations to all requirements of the construction general permit or individual permit applicable to the construction site.

(11) Storing bagged, boxed, and bucketed materials on pallets and covering those materials when they are not in use and prior to and during any precipitation event.

(12) Maintaining an adequate supply of appropriate spill cleanup material near the designated storage area for bagged, boxed, and bucketed materials.

(13) Preventing the operation of tracked equipment within any body or course of surface water unless the director has determined that the surface water has been suitably diverted around the active construction area.

(c) The operator of a construction site is responsible for the installation and maintenance of stormwater management measures until final stabilization of the site has been completed and the notice of termination has been received by the director.

(d) The operator of a construction site shall inspect the site and any facilities on the site in accordance with the requirements of the construction general permit or the individual permit, whichever is obtained for or applicable to the site.

(e) The director may require that plans and specifications prepared for the construction of site improvements illustrate and describe what best management practices will be implemented at the construction site.

(f) The city may deny approval of any building permit, street or sidewalk cut permit, plumbing permit, service connection permit, grading permit, subdivision plat, site development plan, or other city approval necessary to commence or continue construction or development, if the management practices described in the plans and specifications, or observed upon a site inspection by the director, are determined not to control and reduce, to the maximum extent practicable, the discharge of sediment, silt, earth, soil, and other materials associated with clearing, grading, demolishing, excavating, and other construction activities.

(g) An owner of a construction site is jointly and severally responsible with the operator for compliance with the requirements of this section, even if the owner is not an operator of the site.

(h) Any contractor or subcontractor on a construction site, who is not an owner or operator of the site but who is responsible under the construction contract or subcontract for implementing a best management practices control measure, is jointly and severally responsible for any intentional, willful, or negligent failure to adequately implement that control measure if such failure causes or contributes to causing the city to violate a water quality standard, the city's NPDES permit or TPDES permit, or any other discharge permit issued by a state or federal regulatory authority for discharges from the stormwater drainage system.

(i) An owner or operator of a construction site shall provide copies of all notices of intent, construction site notices, notices of change, and notices of termination to the director in accordance with the requirements of the construction general permit or the individual permit.

(j) The director may, in the interest of public safety, issue a written notice to an operator of a construction site that:

(1) authorizes the temporary removal or alteration of structural measures being used as a best management practice under Subsection (b) if:

(A) flooding or significant standing of water occurs in a public right-of-way near the construction site during a representative storm event; or

(B) the director determines that a representative storm event is impending, and flooding or significant standing water previously occurred in a public right-of-way near the construction site during a representative storm event; and

(2) requires the replacement of all structural measures removed pursuant to the notice upon the earlier of recession of standing water from the public right-of-way or 24 hours following the last rainfall. (Ord. Nos. 24033; 28461)

#### **SEC. 19-118.7. STORMWATER DISCHARGES ASSOCIATED WITH INDUSTRIAL ACTIVITY.**

(a) An operator of an industrial facility shall comply with all terms and conditions of the multi-sector general permit or an individual NPDES or TPDES permit, whichever is obtained for the activity conducted at the industrial facility. An operator of an industrial facility shall use best management practices to control and minimize the discharge into the stormwater drainage system, waters of the United States, and state water of any material or substance handled, stored, or generated by the industrial facility and any pollutant that may be attributed to those materials or substances. An operator is required to retain records of all monitoring information collected for a six-year period from the date of sample collection. An operator shall submit any monitoring results or a summary of results as required by the multi-sector general permit or an individual permit to the director and, upon request, shall submit copies of discharge monitoring reports to the director.

(b) The best management practices referred to in Subsection (a) of this section may include, but are not limited to, the following measures:



(1) Providing general good housekeeping measures to ensure that areas within the industrial facility that may contribute pollutants to stormwater discharge are routinely cleaned and kept orderly.

(2) Implementing effective waste disposal and waste management techniques, including but not limited to providing secondary containment, covering waste materials, and minimizing ground contact with hazardous chemicals and trash.

(3) Implementing and maintaining spill prevention and response measures, including but not limited to secondary containment, labeling, and cleanup techniques.

(4) Implementing and maintaining erosion prevention measures, including but not limited to soil stabilization through vegetative cover, contouring slopes, paving, and structural controls.

(5) Implementing and maintaining structural controls, including but not limited to oil- water separators, sediment ponds, catch basins, grassed swales, and berms.

(6) Eliminating or reducing exposure of garbage and refuse materials to precipitation or runoff prior to disposal.

(7) Eliminating or reducing exposure of containers or equipment that are covered or partially covered with oil, grease, rust, or other potentially polluting substances to precipitation or runoff.

(c) If an industrial facility is required by an individual permit or multi-sector general permit to conduct annual, semi-annual, or other periodic monitoring, the operator shall:

(1) submit to the director a signed copy of each monitoring report prepared in compliance with the applicable individual permit or multi-sector general permit;

(2) retain records of the monitoring results at the facility and make them available to the director upon request; and

(3) when requested by the director, prepare a written report of any monitoring conducted by the operator and submit it to the director.

(d) If an industrial facility is required by an individual permit or multi-sector general permit to prepare an annual comprehensive site compliance evaluation report, the operator shall submit to the director a signed copy of each report.

(e) By written notice, the director may require any industrial facility identified as not being in compliance with this section to implement a monitoring program that includes the written submission of quantitative data on the following constituents:

(1) Any pollutant listed in any applicable multi-sector general permit or in Chapter 307, Title 30 of the Texas Administrative Code, as amended.

(2) Any information on discharges required under 40 CFR Part 122.

(f) By written notice, the director may require any industrial facility regulated by this section to conduct semi-annual or annual monitoring of stormwater discharges, or the director may specify an alternative monitoring frequency or specify additional parameters to be analyzed. The director may require written reports of any additional monitoring to be submitted.

(g) An operator of an industrial facility regulated by this section shall retain the stormwater pollution prevention plan, all records of monitoring information, copies of all required reports, and records of all data used to complete the notice of intent for at least three years after submitting a notice of termination required by Subsection (i) of this section.

(h) No stormwater discharge associated with industrial activity may contain any hazardous metals in a quantity that exceeds the maximum allowable concentrations listed in the individual permit, multi- sector general permit, or Chapter 307, Title 30 of the Texas Administrative Code, as amended, whichever limit is more stringent.

(i) The operator of an industrial facility regulated by this section shall submit a notice of termination to the director, which includes the information required for notices of termination under the individual permit or multi-sector general permit, whenever:

(1) all stormwater discharges associated with industrial activity that are authorized by this article and by the NPDES permit or TPDES permit are eliminated at the facility; or

(2) the operator of stormwater discharges associated with industrial activity at the facility changes.

(j) An owner of a facility with a stormwater discharge associated with industrial activity regulated by this section, whether or not the owner is an operator of the facility, is jointly and severally responsible for compliance with:

(1) the best management practices measures required in the stormwater pollution prevention plan for the facility; and

(2) the effluent limitations for hazardous metals specified in Subsection (h) of this section.

(k) Upon request by the director, an owner or operator of any industrial facility that experiences a problem complying with the requirements of this section, the multi-sector general permit, or any applicable individual permit issued for stormwater discharges from the facility shall consult with the director in an attempt to achieve compliance as soon as practicable. If compliance is not achieved to the director's satisfaction, the director may report the noncompliance to the EPA or to the TCEQ, or the director may commence or request commencement of any enforcement action authorized under Section 19-118.1 of this article. Exercising the option for consultation under this subsection is not a bar against, or prerequisite to, the taking of any other enforcement action against an owner or operator of a facility.

(l) The operator of an industrial facility that qualifies for a no exposure exclusion under the multi- sector general permit shall provide the director with a copy of the no exposure certification provided to the TCEQ as required by the multi-sector general permit and a copy of the written notification of coverage and the authorization number received from the TCEQ. The director may inspect the industrial facility and conduct monitoring and sampling of any discharge from the industrial facility to verify the no exposure exclusion.

(m) Upon request by the director, an owner or operator of an industrial facility shall provide the director with documentation of the standard industrial classification of the operation conducted at the industrial facility. The documentation may include, but is not limited to, a copy of the business license application filed for the industrial facility or copies of organizational or tax documents for the business entity that operates the industrial facility, provided the standard industrial classification is stated on the copies provided. If an owner or operator fails or refuses to provide documentation of the standard industrial classification upon request by the director,

then, for purposes of enforcing this section, the director may assign to the industrial facility the standard industrial classification under the multi-sector general permit that best describes the activities observed at the industrial facility, as determined by the director. (Ord. Nos. 24033; 28461)

### **SEC. 19-118.8. COMPLIANCE MONITORING.**

(a) The director may enter the premises of any person who is discharging stormwater into the stormwater drainage system, waters of the United States, or state water to determine if the discharger is complying with all requirements of this article and of any applicable state or federal discharge permit, limitation, or requirement.

(b) A discharger shall:

(1) allow the director ready access to all parts of the premises for the purposes of inspection, sampling, records examination and copying, and the performance of any additional duties;

(2) make available to the director, within two hours of request, any stormwater pollution prevention plans or modifications to plans, self- inspection reports, monitoring records, compliance evaluations, notices of intent, and other records, reports, and documents required by the NPDES permit or TPDES permit; and

(3) retain and provide to the director, upon request, any annual, semi-annual, or periodic monitoring reports as required by the NPDES or TPDES permit.

(c) If a discharger has security measures in force that require proper identification and clearance before entry into the premises, the discharger shall make necessary arrangements with its security guards so that, upon presentation of suitable identification, the director is permitted to enter without delay for the purpose of performing the director's responsibilities.

(d) The director shall have the right to install on the discharger's property, or to require installation of, such devices as are necessary to conduct sampling or metering of the discharger's operations.

(e) The director may require any discharger that contributes a harmful quantity of a pollutant to the stormwater drainage system, waters of the United States, or state water to conduct specified sampling, testing, analysis, and other monitoring of its stormwater discharges. The director may specify the frequency and parameters of any required monitoring.

(f) The director may require the discharger to install monitoring equipment as necessary at the discharger's expense. The discharger, at its own expense, shall at all times maintain the facility's sampling and monitoring equipment in a safe and proper operating condition. Each device used to measure stormwater flow and quality must be calibrated to ensure accuracy.

(g) Any temporary or permanent obstruction to safe and easy access to a facility that is to be inspected or sampled must be promptly removed by the discharger at the written or verbal request of the director and may not be replaced. The cost of clearing access to the facility must be borne by the discharger.

(h) A person commits an offense if he:

(1) lawfully consents to the director's entry into a facility that discharges stormwater, but then knowingly obstructs or hinders the director in accessing the facility for the lawful purposes of inspection or sampling; or

(2) knowingly obstructs or hinders the director in accessing, for the lawful purposes of inspection or sampling pursuant to a lawfully issued administrative search warrant, a facility that discharges stormwater.

(i) Nothing in this section prohibits a person from exercising the constitutional right to require that entry to a site or any other property be made pursuant to a validly issued administrative or other search warrant, except where a search warrant is not required by law. (Ord. Nos. 24033; 28461)

# PICK UP YOUR PET WASTE

## STORMWATER IS OUR WATER



**1,125,000 lbs. of pet waste is generated in Dallas/Fort Worth every day!**

Rainwater and urban runoff that flows over pet waste can pollute the water we swim in or even drink. Stormwater can become polluted with bacteria, viruses and parasites.

### Protect Our Water

When it rains, stormwater, which is ultimately our drinking water, flows over the land and streets, into the nearest storm drain inlet and then flows through underground pipes to discharge into the local water bodies.

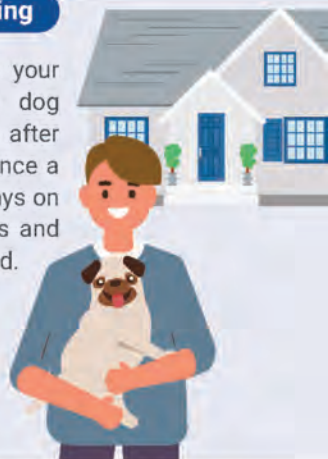
Pet waste is not only smelly and unsightly, but it can be a health risk to people and pets. One gram of dog waste contains over 20 million fecal coliform bacteria that can seep into groundwater and spread salmonella and giardia. Pet waste creates water quality issues if not disposed of properly.

**Remember that stormwater is untreated water carrying everything with it into storm drains.**

### "Doo" The Right Thing

Do the right thing for your neighbors and fellow dog owners by picking up after your own pet at least once a week at home, and always on walks in parks, on trails and around the neighborhood.

**Being a good example encourages others to follow the lead!**



### Pooper Scooper Law

**The Pooper Scooper Law (Dallas City Code, Sec. 7-4.8) requires pet owners to pick up after their pet if it defecates on public or private property that is not their own.**

The Dallas City Code also requires pet owners to carry with them some type of sanitary device to pick up after their pet. Failure to comply with the Pooper Scooper Law not only sends pollution into our environment but is also punishable by a fine!






### Pet Waste Facts & Tips

- 1.5 million dogs in Dallas/Fort Worth produce an estimated 1,125,000 pounds of waste daily.
- Pet waste is not fertilizer. It is highly acidic and can damage plants.
- Flush it. Pick up the waste with a pooper scooper or slip a plastic bag over your hand. Flush the waste down the toilet (do not flush the plastic bag).
- Throw your pet waste into a trash can. Collect the waste, tie the bag securely and place with your garbage.
- Bury it. Scoop the waste and bury it at least six inches in the ground and away from gardens and water sources.
- For more facts visit [www.epa.gov](http://www.epa.gov) or [www.nctcog.org](http://www.nctcog.org)

Publication No.: FY 22-23.83

**FOR ANY QUESTION REGARDING CITY SERVICES OR PROGRAMS, CALL 3-1-1.**

Learn more at [wheredoesitgo.com](http://wheredoesitgo.com) or [greendallas.net](http://greendallas.net)  
Follow us on   @greendallas  greendallastx



# LEVANTA Y TIRA A LA BASURA LOS DESECHOS DE TU MASCOTA



City of Dallas

## Las aguas pluviales son nuestra agua



**¡Cada día se producen 1,125,000 libras de desechos en Dallas/Fort Worth!**

El agua de lluvia y la escorrentía urbana que fluye a través de los desechos de las mascotas puede contaminar el agua en la que nadamos y bebemos. El agua pluvial puede contaminarse con bacterias, virus y parásitos.

### Protege nuestra agua

Cuando llueve, el agua pluvial, que se convierte en el agua, fluye sobre el suelo y las calles, cae en el desagüe pluvial más cercano, luego fluye a través de las tuberías subterráneas y es vertida en los cuerpos de agua locales. Los desechos de las mascotas crean problemas de calidad del agua si no se desechan apropiadamente. Los desechos de las mascotas no solo tienen un olor desagradable y antiestético, sino que también pueden ser un riesgo para la salud de las personas y las mascotas. Un gramo de desecho de perro contiene más de 20 millones de bacterias coliformes fecales que pueden filtrarse en el agua subterránea y propagar salmonela y giardia. ¡Levanta y tira a la basura los desechos de tu mascota!

**Recuerda que el agua pluvial es agua no tratada que arrastra todo lo que encuentra a su paso a los desagües pluviales.**

### Haz lo correcto

Haz lo correcto y levanta y tira a la basura los desechos de tu perro por lo menos una vez a la semana en tu casa, y siempre al caminar en el parque, en los senderos y alrededor del vecindario.

**¡Ser un buen ejemplo motiva a los demás!**



### Ley Pooper Scooper

La Ley Pooper Scooper (Código de la Ciudad de Dallas, Sec. 7-4.8) requiere a los dueños de las mascotas levantar y tirar a la basura el excremento si la mascota defeca en una propiedad pública o privada que no es propiedad del dueño de la mascota.

El Código de la Ciudad también requiere a los dueños de mascotas tener consigo un aparato para levantar y tirar a la basura el excremento de su mascota. ¡El incumplimiento de la ley no solo contamina el medio ambiente, sino que es sancionable con una multa monetaria!



### Datos y consejos sobre los desechos de las mascotas

- 1.5 millones de perros en el área de Dallas/Fort Worth producen aproximadamente 1,125,000 libras de desechos diarios.
- Los desechos de las mascotas no son fertilizantes. Son altamente ácidos y pueden dañar a las plantas.
- Tíralo por el inodoro. Levanta los desechos con una pala para levantar excremento o desliza una bolsa de plástico sobre tu mano. Tira los desechos por el inodoro (no tires la bolsa de plástico).
- Tira los desechos de tu mascota a la basura. Levanta los desechos, ata la bolsa de forma segura y colócala con tu basura.
- Entiérralo. Levanta los desechos y entiérralos al menos seis pulgadas en el suelo y lejos de jardines y fuentes de agua.
- Para más datos visita [www.epa.gov](http://www.epa.gov) o [www.nctcog.org](http://www.nctcog.org)

No. de Publicación: FY 22-23:83

**Si tienes preguntas sobre los servicios o programas de la Ciudad, llama al 3-1-1.**

Más información en [wheredoesitgo.com](http://wheredoesitgo.com) o [greendallas.net](http://greendallas.net)

Síguenos en @greendallas greendallastx



# YOU DUMP IT. YOU DRINK IT. STORMWATER IS OUR WATER



**Anything dumped or dropped on the ground or in the gutter is stormwater pollution flowing with surface water into our local streams, lakes, the Trinity River, and eventually the ocean.**

Because we get our drinking water from area lakes, polluted stormwater increases the time and cost of cleaning water before it is sent to our homes.

Follow the tips below to prevent used oil, toxic materials, and other chemicals from ending up in our water.



## Used Oil Facts

- Used oil from a single oil change **can pollute up to one million gallons of freshwater.**
- EPA estimates that U.S. households improperly dump 193 million gallons of used motor oil each year.
- Used motor oil is insoluble, persistent, and can contain toxic chemicals and heavy metals.
- Used oil dumped onto the ground can seep into fresh groundwater.
- Used oil in waterways kills fish, plants, and other wildlife.

The EPA is the U.S. Environmental Protection Agency, ([www.epa.gov](http://www.epa.gov))



## Used Oil Tips

- Visit a local auto center for your oil changes and to fix leaking vehicles.
- If changing fluids at home or fixing leaks, use a drip pan under the vehicle.
- Clean up spills and leaks on surfaces with an absorbent material such as sand or clay cat litter. Sweep it up, do not hose it down. Contact your local landfill for disposal options.
- Recycle used motor oil, household oils and toxic chemicals.
- Do not dump waste of any type into storm drains.



## Toxic Materials

Everyday home or office compounds can poison stormwater when overused, used improperly, and disposed of improperly. Follow the manufacturers' directions carefully when using:

- Pesticides, herbicides, fertilizers
- Antifreeze and salts (deicer)
- Cooking oil and grease
- Bleach, detergents, home cleaners
- Paint, glue, solvents



## Toxic Material Tips

Take used motor oil to a service station or other locations that collect motor oil for recycling. Many locations will accept it free of charge. To find recyclers in your area, please call 1-800-253-2687 or visit [earth911.com/recycling](http://earth911.com/recycling). Read the labels on the toxic item and follow the directions for use and disposal. Take items to Dallas County Home Chemical Collection Center located at 11234 Plano Rd. Provide your driver's license and a utility bill to prove residency. For more information, please call 214-553-1765.

**Please report anyone dumping used oil, chemicals, toxic materials, litter, or yard debris in the storm drains by contacting 3-1-1.**



# SI LO DESECHAS. TE LO BEBES.

## Las aguas pluviales son nuestra agua.



**Cualquier desecho en el suelo o en la alcantarilla es contaminación de aguas pluviales, que fluye con el agua superficial hacia nuestros arroyos, lagos, el Río Trinity y, eventualmente, el océano.**

Debido a que obtenemos el agua potable de los lagos de la zona, las aguas pluviales contaminadas aumentan el tiempo y el costo de limpieza del agua antes de que sea enviada a nuestros hogares.

Siga los consejos a continuación para evitar que el aceite usado, los materiales tóxicos y otros productos químicos terminen en nuestra agua.



### Datos sobre el ACEITE usado

- El aceite usado de un simple cambio de aceite puede contaminar hasta un millón de galones de agua dulce.
- La EPA estima que los hogares estadounidenses desechan indebidamente 193 millones de galones de aceite de motor usado cada año.
- El aceite de motor usado es insoluble, persistente y puede contener químicos tóxicos y metales pesados. El aceite usado desechado en el suelo puede filtrarse al agua dulce subterránea.
- El aceite usado en vías fluviales de agua mata peces, plantas y otros animales salvajes.

- La EPA es la Agencia de Protección Ambiental de Estados Unidos, ([www.epa.gov](http://www.epa.gov))



### Consejos sobre el ACEITE usado

- Visite un centro de vehículos local para sus cambios de aceite y para reparar fugas en los vehículos.
- Si cambia líquidos en su vivienda o repara fugas, utilice una cubeta colectora debajo del vehículo.
- Limpie los derrames y las fugas en superficies con un material absorbente como arena o arena de arcilla para gatos. Bárralo, no lo limpie con una manguera. Contacte a su vertedero local para conocer opciones de desecho.
- Recicle el aceite de motor usado, los aceites domésticos y los productos químicos tóxicos.
- No deseches residuos de ningún tipo en los desagües pluviales.



### Materiales Tóxicos

Los compuestos de uso cotidiano en el hogar u oficina pueden contaminar las aguas pluviales cuando se utilizan en exceso, se utilizan incorrectamente y se desechan de manera incorrecta. Siga cuidadosamente las indicaciones del fabricante cuando utilice:

- Pesticidas, herbicidas, fertilizantes
- Anticongelante y sales (descongelante)
- Aceite y grasa de cocina
- Blanqueador, detergentes, limpiadores domésticos
- Pintura, pegamento, escombros de construcción y solventes



### Consejos sobre el Materiales Tóxicos

Lleve el aceite de motor usado a una estación de servicio u otros lugares que recolecten aceite de motor para reciclarlo. Muchos sitios lo aceptarán gratuitamente. Para encontrar empresas de reciclaje en su área, llame al 1-800-253-2687 o visite [earth911.com/recycling](http://earth911.com/recycling). Lea las etiquetas del artículo tóxico y siga las indicaciones de uso y eliminación de residuos. Lleve los artículos al Centro de Recolección de Productos Químicos Domésticos del Condado de Dallas ubicado en 11234 Plano Rd. donde se acepta aceite de motor usado. Proporcione su licencia de conducir y una factura de servicios públicos para demostrar su residencia. Para más información, por favor comuníquese al 214-553-1765.

**Por favor, denuncie a cualquier persona que arroje aceite usado, productos químicos, materiales tóxicos, basura o desechos de jardín en los desagües pluviales llamando al 3-1-1.**

Si tiene alguna pregunta sobre los servicios o programas de la Ciudad y si ve desechos de cualquier tipo, llame al 3-1-1.

Obtenga más información en [wheredoesitgo.com](http://wheredoesitgo.com) o [greendallas.net](http://greendallas.net)

Síganos en



@greendallas



greendallastx



FY#21-22 139



# LITTER FREE IS THE WAY TO BE

## NO TIRAR BASURA ES EL CAMINO A SEGUIR



City of Dallas

## STORMWATER IS OUR WATER

Las aguas pluviales son nuestra agua



We want vibrant, healthy, and clean communities, but it takes all of us working together to stop litter and dumping. Litter takes many forms such as piles of trash on the roadside, floating trash in our waterways, and litter can even be dangerous such as broken glass.

Queremos comunidades vibrantes, saludables y limpias, pero todos debemos trabajar juntos para detener la basura y los vertederos ilegales. La basura toma muchas formas, como montones de basura al borde de la carretera, basura flotante en nuestras vías fluviales. Además, la basura puede ser peligrosa, por ejemplo los cristales rotos.

Litter and dumped items blow or wash into storm drains, leading to the potential of flooding due to clogged drains. Stormwater is untreated water, it picks up everything in its path as it flows into neighborhood storm drains and into nearby creeks, ponds, lakes, and the Trinity River. Do your part! Recycle, reuse, regift. Place trash in a secure trash can or recycle bin and make being litter free a way of life in Dallas!

La basura y los objetos tirados y movido por el impulso del viento o el agua caen en los desagües pluviales, lo que genera la posibilidad de inundaciones debido a los desagües obstruidos. El agua pluvial es agua no tratada, que se llevan todo a su paso a medida que fluye hacia los desagües pluviales del vecindario y hacia los arroyos, estanques, lagos y el río Trinity. ¡Haz tu parte! Recicla, reutiliza, regala. ¡Coloque la basura en un basurero seguro o en un contenedor de reciclaje y haga de estar libre de basura un estilo de vida en Dallas!

### Examples of Floatable Litter

- Aluminum and glass bottles
- Cigarette butts
- Cups, straws, and lids
- Plastic beverage bottles and caps
- Plastic waste of all types
- Single use grocery and shopping bags
- Styrofoam™ waste and take-out containers



### Ejemplos de Basuras Flotantes

- Botellas de aluminio y vidrio
- Colillas de cigarrillos
- Vasos, popotes y tapas
- Botellas y tapas de plástico para bebidas
- Residuos plásticos de todo tipo
- Bolsas de la compra y del supermercado de un solo uso
- Residuos de poliestireno y contenedores de comida para llevar



### Tips on Floatable Litter

Take care of your community. Please dispose of trash properly.

- Avoid overfilling dumpsters, garbage, and recycling carts. Always close them.
- Bag your trash before it goes in the cart tying the bag closed.
- Recycle and please do not bag recyclables.
- Never put trash down a storm drain or in the street.
- Keep your vehicle clean so trash does not blow out of open doors and windows.
- Do not toss cigarette butts on the ground.
- Take hazardous household waste to the Home Chemical Collection Center. Call (214) 553-1765.

### Consejos sobre la Basura Flotante

Cuida tu comunidad. Por favor, deseché la basura correctamente.

- Evite sobrellenar los basureros, la basura y los carritos de reciclaje. Cíérrelos siempre.
- Coloque su basura en una bolsa antes de ponerla en el carrito y ate la bolsa para cerrarla.
- Recicle y no meta los materiales reciclables en una bolsa.
- Nunca arroje basura en un desagüe pluvial o en la calle.
- Mantenga su vehículo limpio para que la basura no salga volando por las puertas y ventanas abiertas.
- No tire colillas de cigarrillos al suelo.
- Lleve los desechos domésticos peligrosos al Centro de Recolección de Químicos para el Hogar. Llame al (214) 553-1765.

FOR ANY QUESTION REGARDING CITY SERVICES OR PROGRAMS, CALL 3-1-1.

Si tiene alguna pregunta sobre los servicios o programas de la Ciudad o si ve basura de cualquier tipo, llame al 3-1-1.

Learn more at [wheredoesitgo.com](http://wheredoesitgo.com) or [greendallas.net](http://greendallas.net)  
Obtenga más información en [wheredoesitgo.com](http://wheredoesitgo.com) o [greendallas.net](http://greendallas.net)

Follow us on @greendallas greendallastx  
Síguenos en las redes sociales

FY2021-22#154



# FORWARD DALLAS

## LET'S PLAN TOGETHER!

The ForwardDallas Comprehensive Land Use Plan update process is underway, and we need your input. ForwardDallas is a citywide future vision plan that sets priorities and provides guidance about how and where land should be developed or preserved.

The use and design of land affect much of our daily lives including employment opportunities near you, commute times, access to parks, the quality of the air you breathe, and access to healthy food options. Learn how you can stay informed and get involved.



## ¡PLANIFIQUEMOS JUNTOS!

El proceso de actualización del Plan Integral de Uso de la Tierra de ForwardDallas está en marcha, y necesitamos su opinión. ForwardDallas es un plan de visión de futuro en toda la ciudad que establece prioridades y proporciona orientación sobre cómo y dónde se debe desarrollar o preservar la tierra.

El uso y el diseño de la tierra afectan a gran parte de nuestra vida diaria, incluidas las oportunidades de empleo cerca de usted, los tiempos de desplazamiento, el acceso a los parques, la calidad del aire que respira y el acceso a opciones de alimentos saludables. Descubre cómo puedes mantenerte informado e involucrarte.

## JOIN US AT A MEETING NEAR YOU | ÚNETE CON NOSOTROS EN UNA REUNIÓN CERCA DE TI

**October | octubre 19, 2022, 6 to 7:30 p.m.**  
Bachman Recreation Center

**November | noviembre 1, 2022, 6 to 7:30 p.m.**  
Hiawatha Williams Recreation Center

**October | octubre 22, 2022, 10 to 11:30 a.m.**  
Pleasant Grove Library

**November | noviembre 2, 2022, 5:30 to 7 p.m.**  
J. Erik Jonsson Central Library

**October | octubre 25, 2022, 6 to 7:30 p.m.**  
Churchill Recreation Center

**November | noviembre 5, 2022, 10:30 to Noon**  
Forest Green Library

**October | octubre 27, 2022, 6 to 7:30 p.m.**  
Park in the Woods Recreation Center

*Note: Confirm all meetings on PUD's website or by calling  
Nota: Confirme todas las reuniones en el sitio web de PUD o llamando*



Follow us @DallasPlanUD

214-671-8900  
PUD@DallasCityHall.com





CITY OF DALLAS

December 20, 2024

Ms. Rebecca Villalba, P.E.  
Texas Commission on Environmental Quality (TCEQ)  
Wastewater Permitting Section, MC-148 Stormwater and Pretreatment Team  
12100 Park 35 Circle, Bldg. F-2<sup>nd</sup> Floor  
P.O. Box 13087  
Austin, Texas 78711-3087

**SUBJECT: TPDES MS4 Permit No. WQ0004396000**  
**City of Dallas Stormwater Management Program**  
**Annual Report October 1, 2023 – September 30, 2024**

Dear Ms. Villalba:

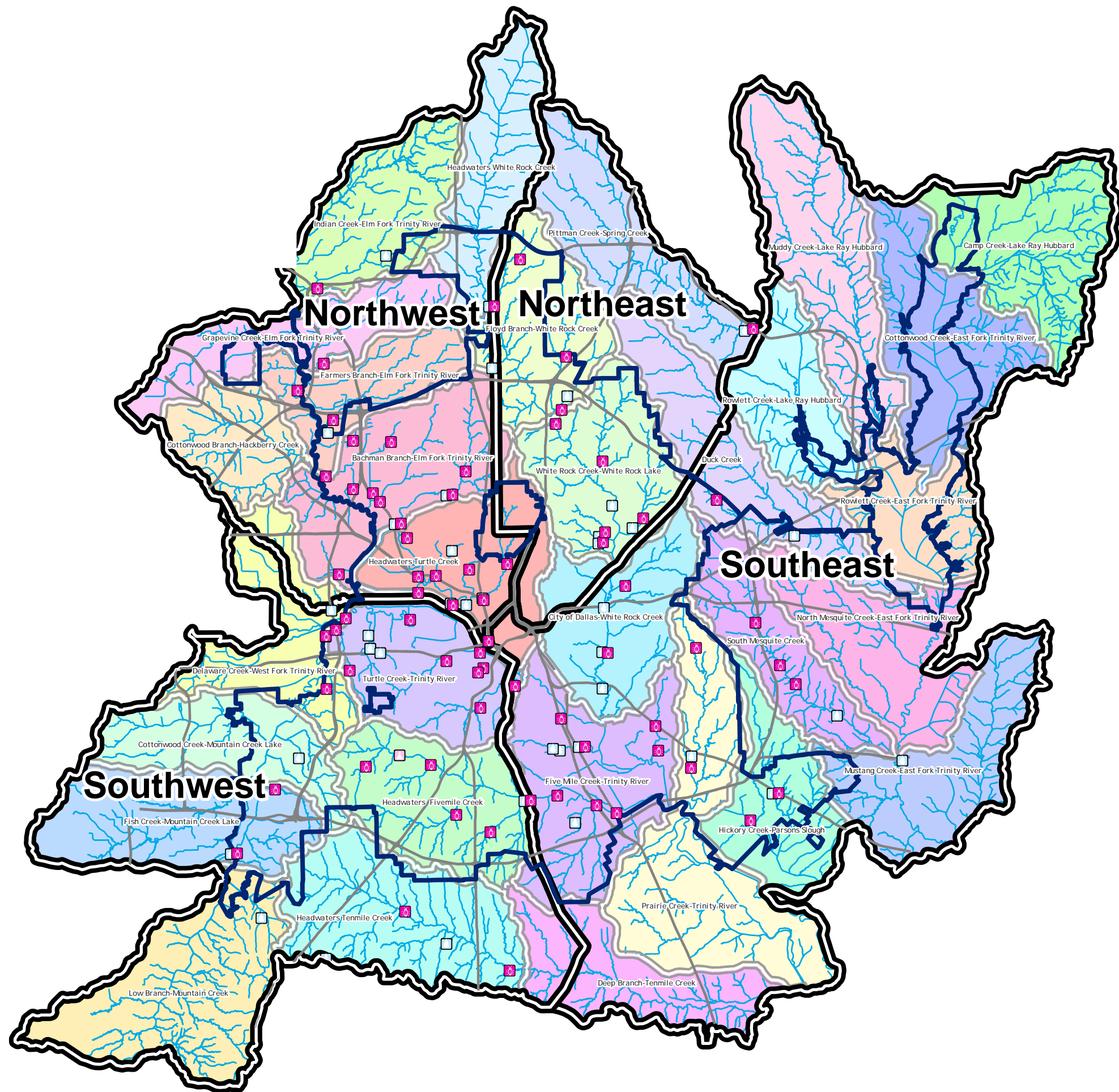
Enclosed is the annual report that summarizes performance during the fifth year of the City of Dallas Municipal Separate Storm Sewer System permit number WQ0004396000 renewed August 6, 2019. For your convenience, both hardcopy and electronic versions are provided.

If you have any questions or need additional information, please contact Sherrie Rios at 214-948-4406.

Sincerely,

Sarah Standifer  
Director - Dallas Water Utilities  
(214) 670-3188

c: TCEQ Office, Region 4 File  
Matt Penk, P.E., Deputy Director - DWU

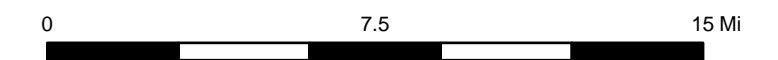


## Stormwater Districts

- Freeway
- Major Street
- Dallas City Limit
- Streams/Rivers
- Lakes
- Stormwater Districts

### Water Quality Sites

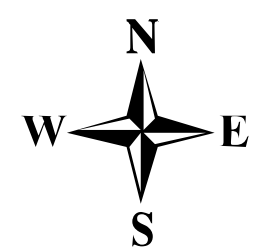
- Wet Weather Monitoring Site
- Water Quality Sampling
- Water Quality Bioassessment Using Insects



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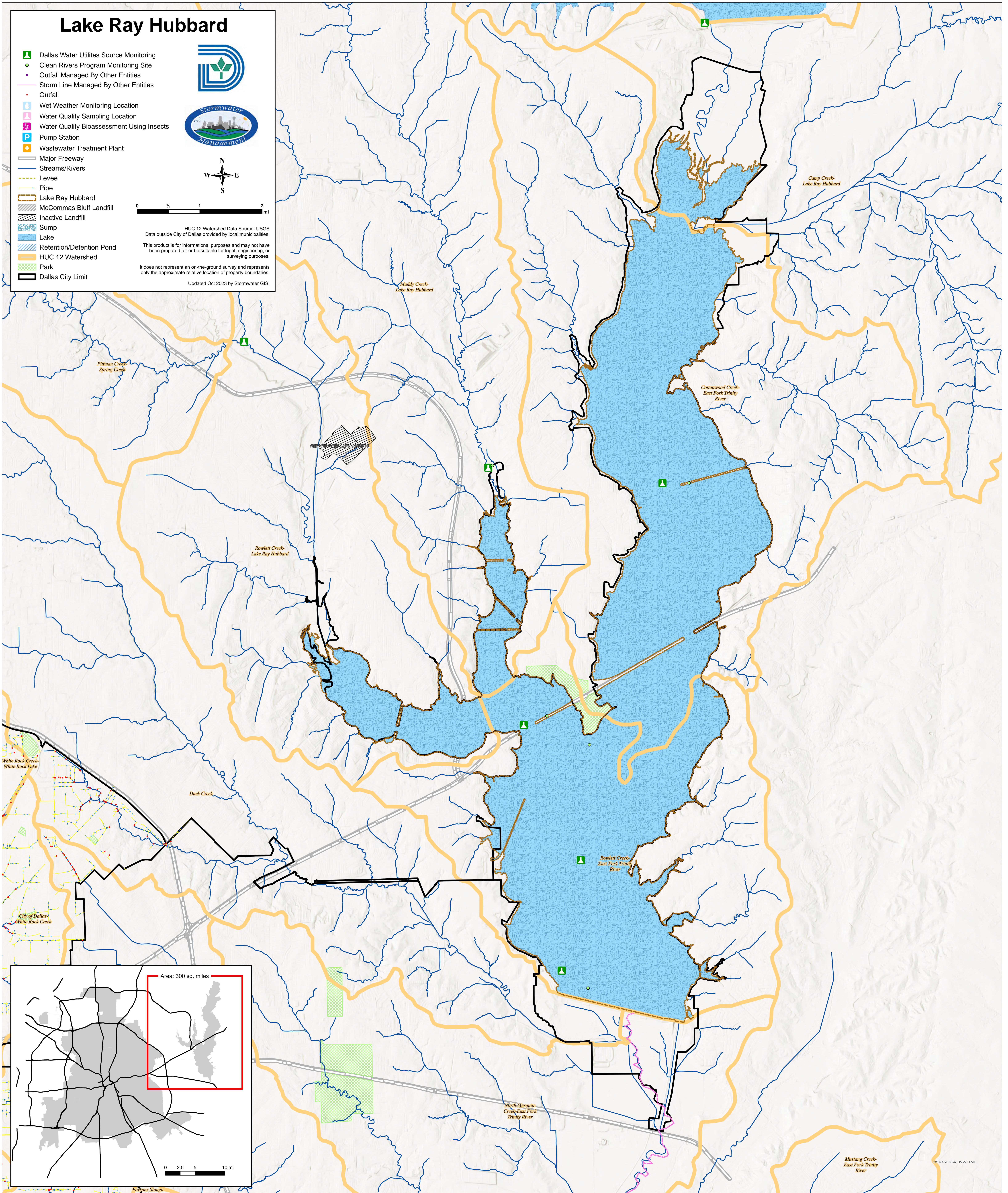
# Lake Ray Hubbard

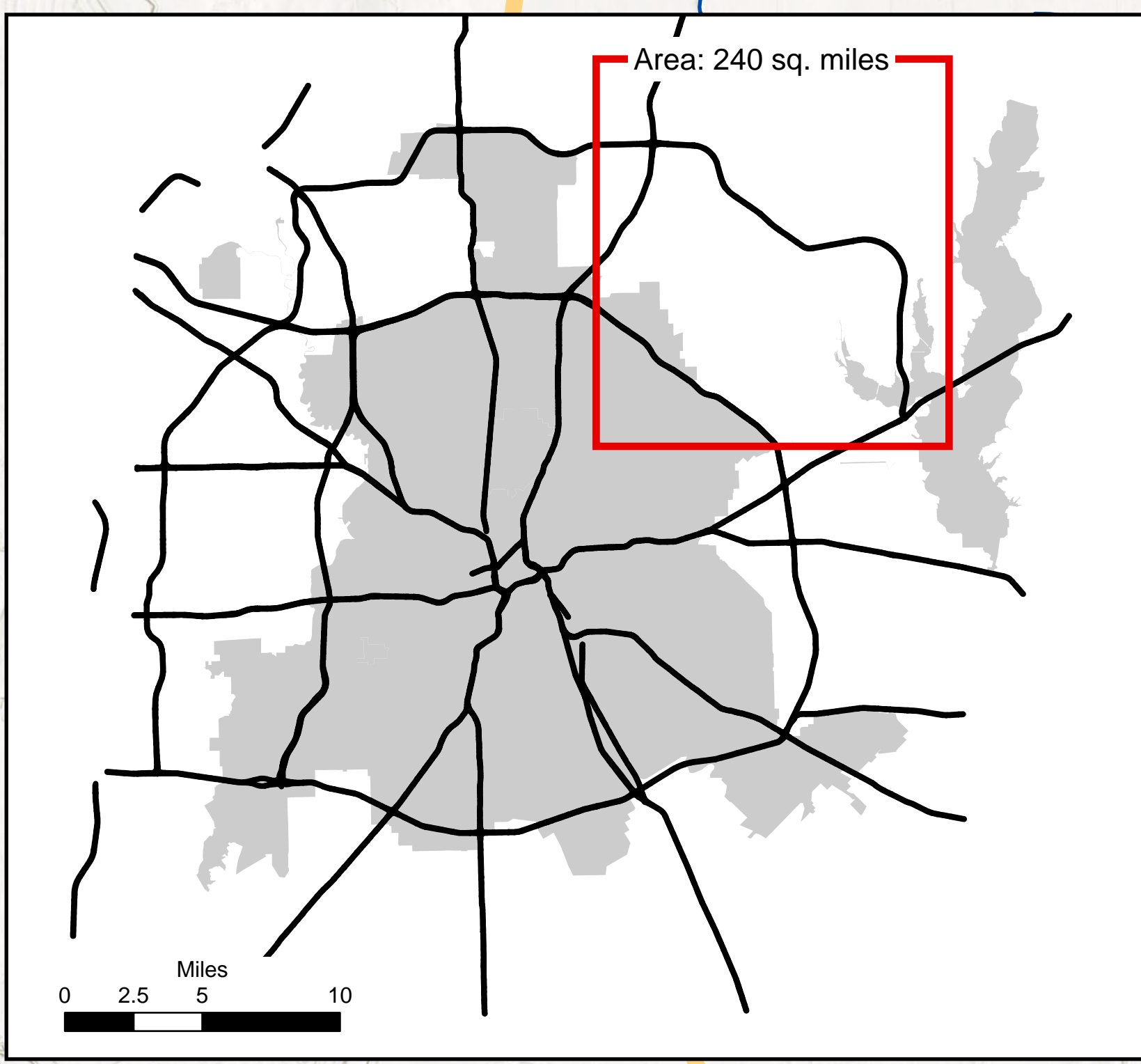
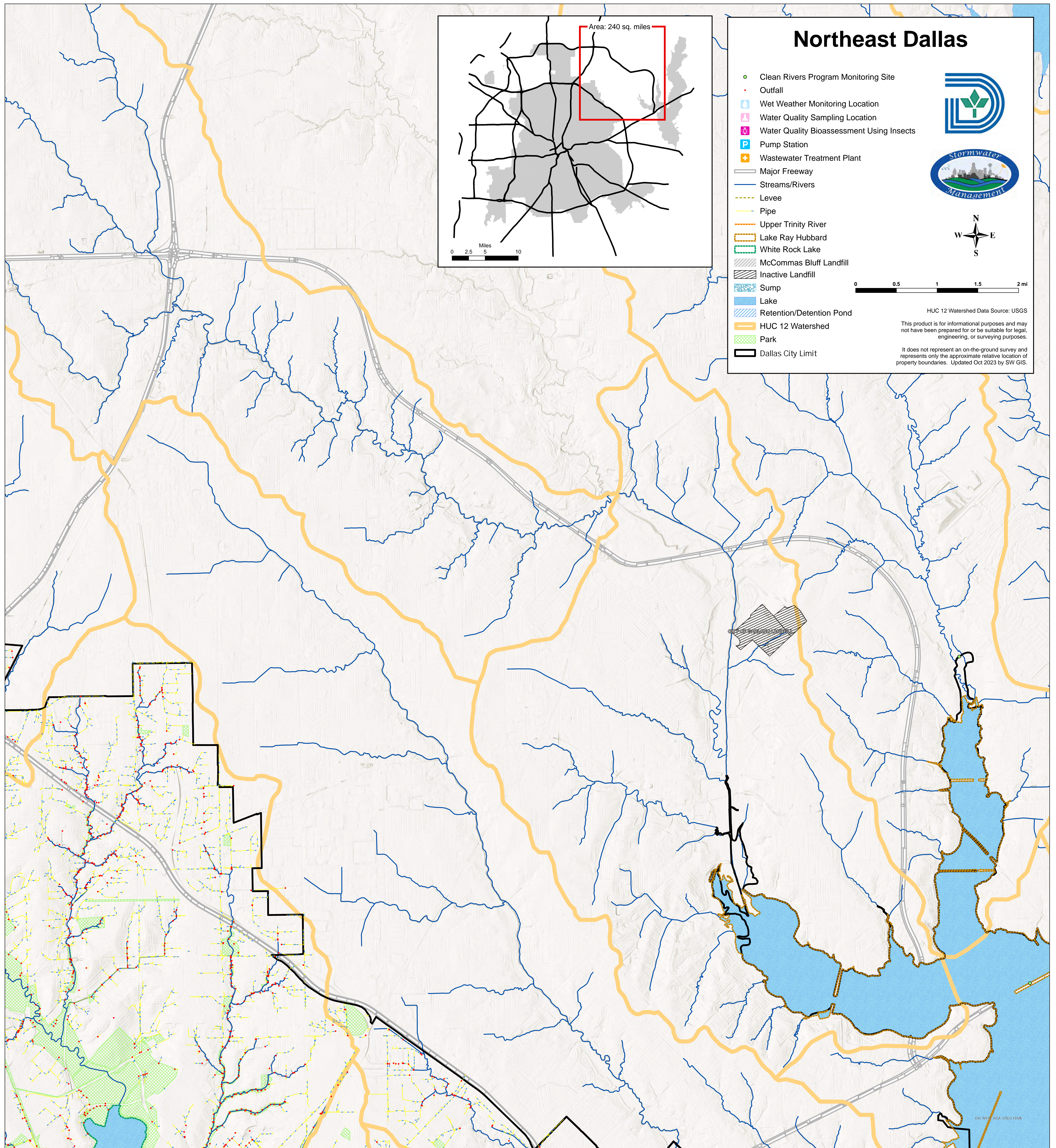
- Dallas Water Utilities Source Monitoring
- Clean Rivers Program Monitoring Site
- Outfall Managed By Other Entities
- Storm Line Managed By Other Entities
- Outfall
- Wet Weather Monitoring Location
- Water Quality Sampling Location
- Water Quality Bioassessment Using Insects
- Pump Station
- Wastewater Treatment Plant
- Major Freeway
- Streams/Rivers
- Levee
- Pipe
- Lake Ray Hubbard
- McCommas Bluff Landfill
- Inactive Landfill
- Sump
- Lake
- Retention/Detention Pond
- HUC 12 Watershed
- Park
- Dallas City Limit



0 1/4 1 2 mi

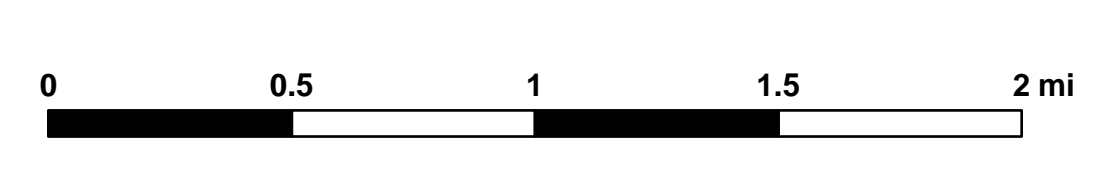
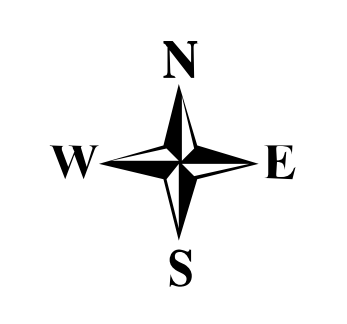
HUC 12 Watershed Data Source: USGS  
 Data outside City of Dallas provided by local municipalities.  
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 Updated Oct 2023 by Stormwater GIS.





# Northeast Dallas

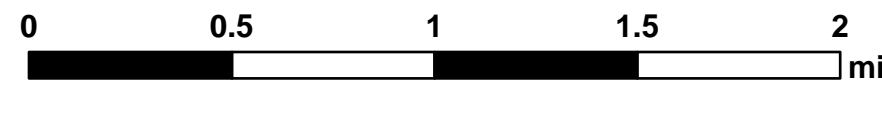
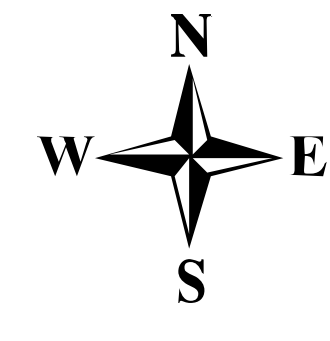
- Clean Rivers Program Monitoring Site
- Outfall
- ⊕ Wet Weather Monitoring Location
- ⊕ Water Quality Sampling Location
- ⊕ Water Quality Bioassessment Using Insects
- P Pump Station
- + Wastewater Treatment Plant
- Major Freeway
- Streams/Rivers
- Levee
- Pipe
- Upper Trinity River
- Lake Ray Hubbard
- White Rock Lake
- ▨ McCommas Bluff Landfill
- ▨ Inactive Landfill
- ⊕ Sump
- Lake
- Retention/Detention Pond
- HUC 12 Watershed
- ▨ Park
- Dallas City Limit



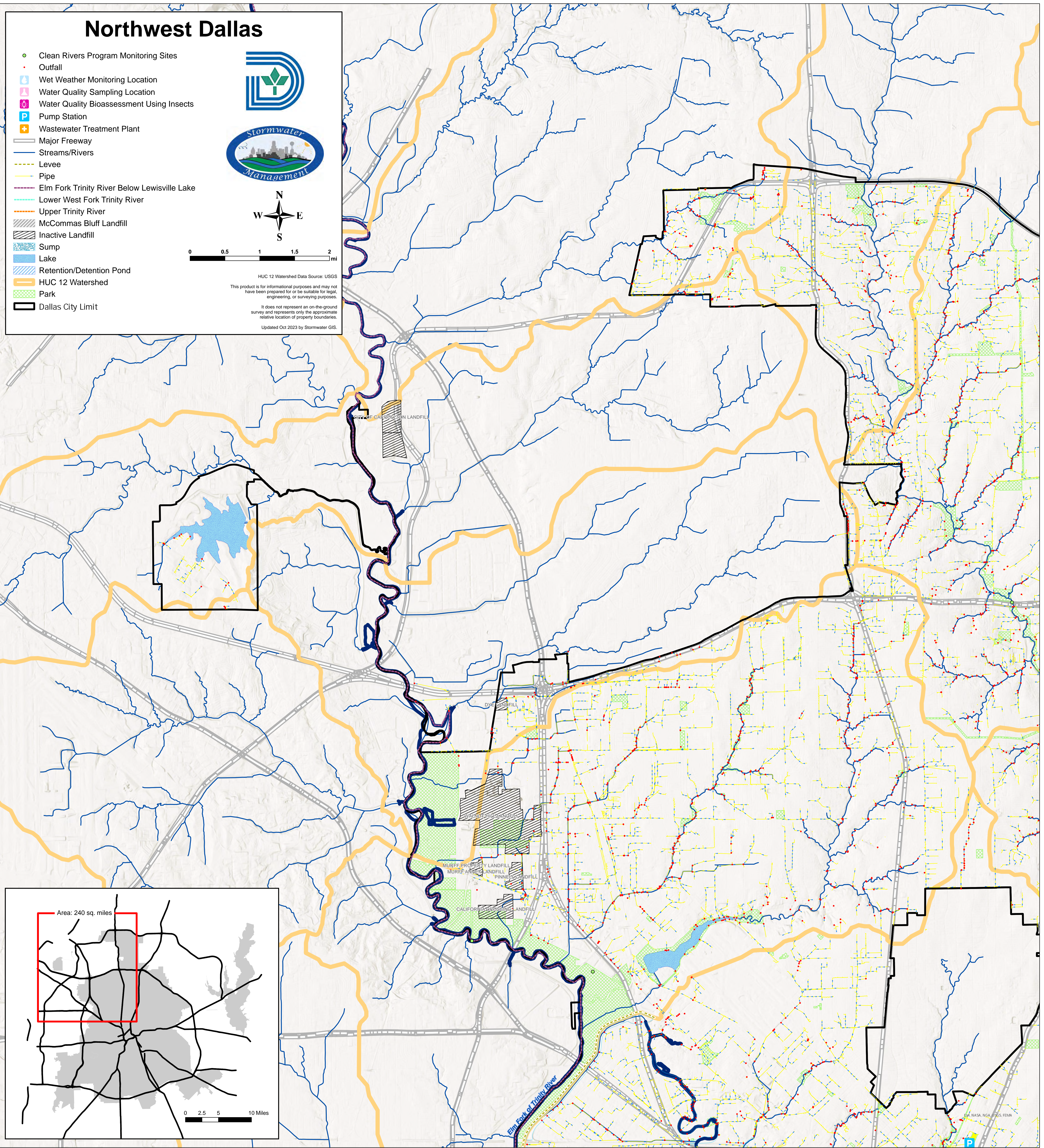
HUC 12 Watershed Data Source: USGS  
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# Northwest Dallas

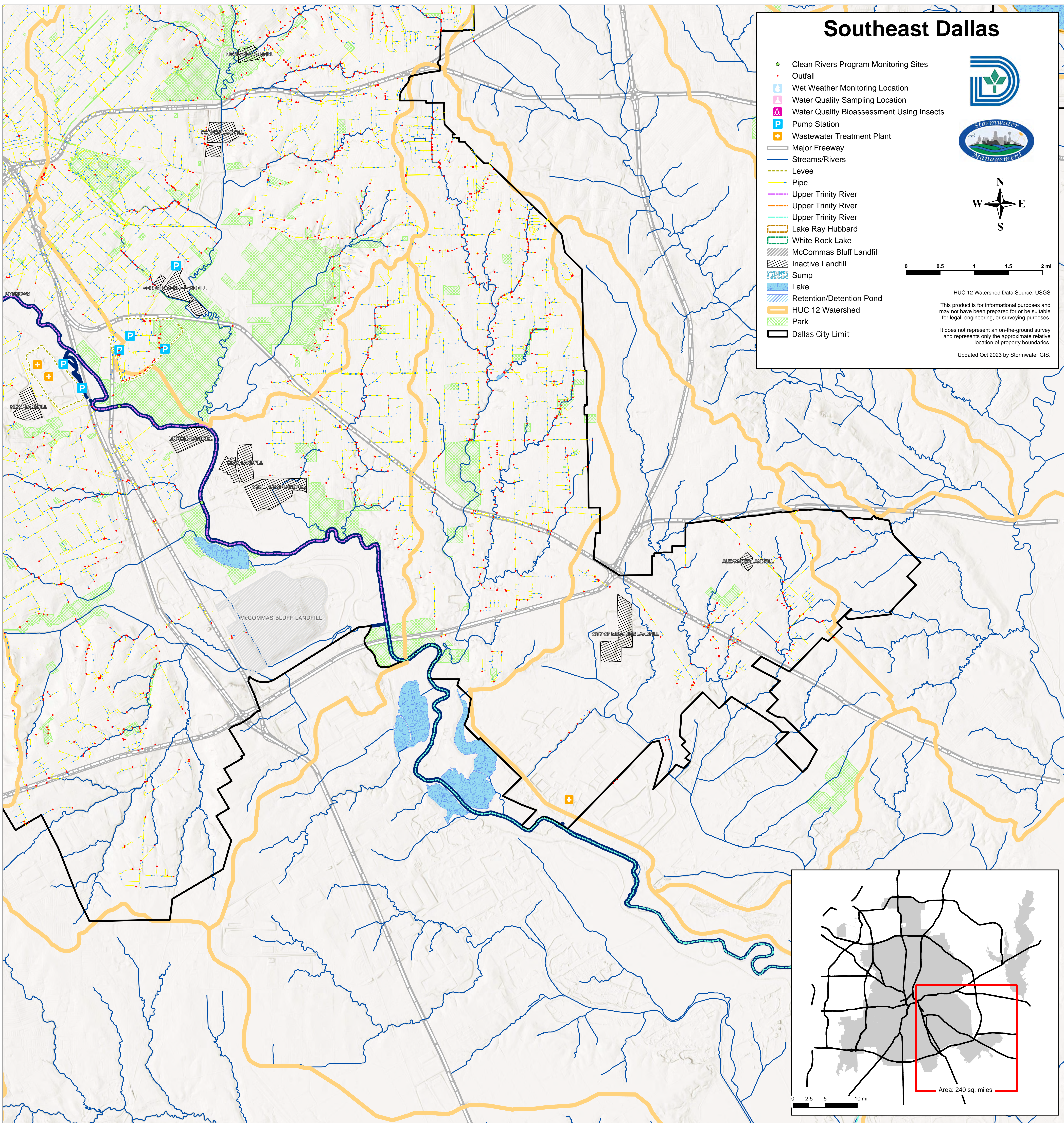
- Clean Rivers Program Monitoring Sites
- Outfall
- ⊕ Wet Weather Monitoring Location
- ⊕ Water Quality Sampling Location
- ⊕ Water Quality Bioassessment Using Insects
- ⊕ Pump Station
- ⊕ Wastewater Treatment Plant
- Major Freeway
- Streams/Rivers
- Levee
- Pipe
- Elm Fork Trinity River Below Lewisville Lake
- Lower West Fork Trinity River
- Upper Trinity River
- McCommas Bluff Landfill
- Inactive Landfill
- Sump
- Lake
- Retention/Detention Pond
- HUC 12 Watershed
- Park
- Dallas City Limit



HUC 12 Watershed Data Source: USGS  
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ESRI, NASA, INGA, USGS, FEMA

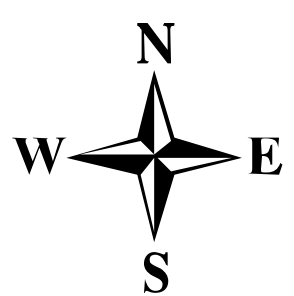




# Southwest Dallas



- Clean Rivers Program Monitoring Sites
- Outfall
- ⊕ Wet Weather Monitoring Location
- ⊕ Water Quality Sampling
- ⊕ Water Quality Bioassessment Using Insects
- P Pump Station
- + Wastewater Treatment Plant
- Major Freeway
- Streams/Rivers
- Levee
- Pipe
- Elm Fork Trinity River Below Lewisville Lake
- Lower West Fork Trinity River
- Upper Trinity River
- Upper Trinity River
- Joe Pool Lake
- Mountain Creek Lake
- McCommas Bluff Landfill
- Inactive Landfill
- Sump
- Lake
- Retention/Detention Pond
- HUC 12 Watershed
- Park
- Dallas City Limit



0 0.5 1 2 3 4 mi

HUC 12 Watershed Data Source: USGS

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