



January 4, 2024

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

Re: Phase II MS4 Annual Report Transmittal for City of Benbrook
TPDES Permit Number: TXR040083
Year 5 Report

Dear Team Leader:

This letter serves to transmit the 2023 Annual Report for the Texas Pollutant Discharge Elimination System (TPDES) Small Municipal Separate Storm Sewer System (MS4) General Permit, Authorization Number TXR04083 for the City of Benbrook.

The annual report is for Year 5. The reporting period's beginning 01/01/2023 and ending 12/31/2023.

A separate Notice of Change has not been submitted based on the fact that changes have not been proposed for the next permit year.

As required by the general permit, a copy of this submittal has also been mailed to the TCEQ's regional office in Fort Worth, Texas.

Sincerely,

A handwritten signature in black ink that reads "Bennett C. Howell, III".

Bennett C. Howell, III, PE, CFM
Public Services Director

Cc: TCEQ – Fort Worth

Phase II (Small) MS4 Annual Report Form

TPDES General Permit Number TXR040000

A. General Information

Authorization Number: TXR040083

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

Annual Reporting Year Option Selected by MS4:

Calendar Year: 2023

Permit Year: _____

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

Reporting period beginning date: (month/date/year) 1/01/2023

Reporting period end date: (month/date/year) 12/31/2023

MS4 Operator Level: 2 Name of MS4: City of Benbrook

Contact Name: Bennett Howell Telephone Number: 817-249-6063

Mailing Address: 911 Winscott Road, Benbrook, Texas 76126

E-mail Address: bhowell@benbrook-tx.gov

A copy of the annual report was submitted to the TCEQ Region: YES X

NO ___ Region the annual report was submitted to: TCEQ Region 4

B. Status of Compliance with the MS4 GP and SWMP

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

	Yes	No	Explain
Permittee is currently in compliance with the SWMP as submitted to and approved by the TCEQ.	X		TCEQ audit 08.27.20 and subsequent letter
Permittee is currently in compliance with recordkeeping and reporting requirements.	X		TCEQ audit 08.27.20 and subsequent letter

Permittee meets the eligibility requirements of the permit (e.g., TMDL requirements, Edwards Aquifer limitations, compliance history, etc.).	X	TCEQ audit 08.27.20 and subsequent letter
Permittee conducted an annual review of its SWMP in conjunction with preparation of the annual report	X	Staff reviewed the plan and prepared the annual report based on the review.

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

MCM(s)	BMP	BMP is appropriate for reducing the discharge of pollutants in stormwater (Answer Yes or No and explain)
1: Public Education, Outreach and Involvement	Distribute materials on lawn management, waste disposal, littering and other stormwater related issues.	No. This BMP does not result in a direct reduction of pollutants, educating citizens will eventually reduce discharges to the stormwater system.
1: Public Education, Outreach and Involvement	Comply with all federal, state, and local public notice requirements when implementing the SWMP.	No. This BMP does not result in a direct reduction of pollutants, educating citizens will eventually reduce discharges to the stormwater system.
2: Illicit Discharge Detection and Elimination	Evaluate existing stormwater ordinances that prohibit non-stormwater discharges into MS4	Yes. This BMP will reduce the discharge or pollutants to the MS4 through enforcement and education.
2: Illicit Discharge Detection and Elimination	Storm System Mapping	Yes. This BMP will help reduce pollutants in the MS4 by verifying stormwater system status and checking for illegal connections.

MCM(s)	BMP	BMP is appropriate for reducing the discharge of pollutants in stormwater (Answer Yes or No and explain)
2: Illicit Discharge Detection and Elimination	Review existing program to detect, track and eliminate illicit discharges	Yes. There is an increase in illegal discharge detection through screening.
2: Illicit Discharge Detection and Elimination	Field Staff Training	Yes. The more educated the staff are in regards to the SWMP, the better they can identify issues.
3: Construction Site Stormwater Runoff Control	Construction Site Stormwater Control Ordinances	Yes. Stormwater runoff from construction sites is reduced.
3: Construction Site Stormwater Runoff Control	Construction Plan Review	Yes. Stormwater runoff from construction sites is reduced when stormwater management plans are reviewed prior to the start of construction.
4: Post-Construction Stormwater Management in New Development and Redevelopment	Development Plan Review	Yes. Stormwater runoff from construction sites is reduced when post-construction stormwater management plans are reviewed prior to the start of construction.
5: Pollution Prevention/Good Housekeeping for Municipal Operations	Employee Training	Yes. A better trained staff will operate the MS4 more efficiently.
5: Pollution Prevention/Good Housekeeping for Municipal Operations	Street Sweeping	Yes. Street sweeping reduces pollutants from the MS4 by removing the materials from the streets prior to being discharged into the MS4.

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

MCM	BMP	Information Used	Quantity	Units	Does the BMP Demonstrate a Direct Reduction in Pollutants? (Answer Yes or No and explain)
1	1.1-3 Educate Residents, Commercial Facilities and Home Builders	Flyers and other handouts	200	Brochures and Newsletter	No. Though this BMP does not result in a direct reduction of pollutants, educating citizens will eventually reduce litter, hence pollutants.
1	1.4 Public Notice in Development of SWMP	Newspaper	1	Publication in Local Newspaper and Post Annual Reports on Website	No. This BMP does not result in a direct reduction of pollutants, educating citizens will eventually reduce discharges to the stormwater system.
1	1.5 Illicit Discharge Awareness Campaign	Flyers and other handouts	100	Distribute literature to businesses and residents on the hazards associated with illicit discharges.	No. Though this BMP does not result in a direct reduction of pollutants, educating citizens will eventually reduce litter, hence pollutants.

MCM	BMP	Information Used	Quantity	Units	Does the BMP Demonstrate a Direct Reduction in Pollutants? (Answer Yes or No and explain)
1	1.6 Social Media Outreach	Facebook, Twitter and Snap Chat	2	Distribute information posts on social media	No. Though this BMP does not result in a direct reduction of pollutants, educating citizens will eventually reduce litter, hence pollutants.
2	2.7 Illicit Discharge Ordinances	Ordinances	1	Annual Review	Yes. This BMP will reduce the discharge or pollutants to the MS4 through enforcement and education.
2	2.8 Storm System Mapping	Construction	1	Annual Review	Yes. This BMP will help reduce pollutants in the MS4 by verifying stormwater system status and checking for illegal connections.
2	2.9 Detection and Elimination Program	Construction	1	Annual Review	Yes. There is an increase in illegal discharge detection through screening.
2	2.10 Field Staff Training	Training	2	Training events	Yes. The more educated the staff are in regards to the SWMP, the better they can identify issues.

MCM	BMP	Information Used	Quantity	Units	Does the BMP Demonstrate a Direct Reduction in Pollutants? (Answer Yes or No and explain)
2	2.11 Onsite Sewage Disposal Ordinance Review	Ordinances	1	Annual Review	Yes. This BMP will reduce the discharge or pollutants to the MS4 through enforcement and education.
2	2.12 Compliance Inspections	Inspections	3	As complaints are received	Yes. This BMP will reduce the discharge or pollutants to the MS4 through enforcement and education.
2	2.13 Public Reporting of Illicit Discharges and Spills	Inspections	1	As complaints are received	Yes. This BMP will reduce the discharge or pollutants to the MS4 through enforcement and education.
3	3.14 Construction Site Stormwater Runoff Control Ordinances	Review	1	Annual Review	Yes. Stormwater runoff from construction sites is reduced.
3	3.15 Construction Plan Review	Review	5	Review new construction plans submitted by developers	Yes. Stormwater runoff from construction sites is reduced when stormwater management plans are reviewed prior to the start of construction.

MCM	BMP	Information Used	Quantity	Units	Does the BMP Demonstrate a Direct Reduction in Pollutants? (Answer Yes or No and explain)
3	3.16 Site Inspection	Inspections	Daily	Daily	Yes. Stormwater runoff from construction sites is reduced.
3	3.17 Information Submitted by the Public	Inspections	Daily	Daily	Yes. Stormwater runoff from construction sites is reduced.
3	3.18 MS4 Employee Training	Inspections	Annual	Annual	Yes. A better trained staff will operate the MS4 more efficiently.
3	3.19 Construction Site Operator Educations	Inspections	As Needed	As Needed	Yes. A better training operator will follow the MS4 requirements.
4	4.20 Stormwater Ordinance for Post-Construction Management	Ordinances	1	Annually	Yes. Stormwater runoff from construction sites is reduced.
4	4.21 Development Plan Review	Review	10	Review new development plans submitted by developers	Yes. Stormwater runoff from construction sites is reduced when post-construction stormwater management plans are reviewed prior to the start of construction.

MCM	BMP	Information Used	Quantity	Units	Does the BMP Demonstrate a Direct Reduction in Pollutants? (Answer Yes or No and explain)
4	4.22 Post-Site Inspection Procedures	Inspections	1	Annually	Yes. The more prepared the staff are in regards to the SWMP, the better they can identify issues.
5	5.23 Disposal of Waste Removed from MS4	Operations	1	Annually	Yes. Better understanding of the waste removed allows for staff to properly dispose of the removed waste.
5	5.24 MS4 Employee Training	Review	1	Annual Review of Materials	Yes. A better trained staff will operate the MS4 more efficiently.
5	5.25 Street Sweeping	Street Sweeper Schedule	Each street swept 4 times per year	Quarterly	Yes. Street sweeping reduces pollutants from the MS4 by removing the materials from the streets prior to being discharged into the MS4.
5	5.26 Floodplain Management	Promote protection and preservation of buffer areas around natural floodplains	Develop erosion hazard zone ordinance	Review annually	Yes. Buffer zones can reduce pollutants from the MS4 by eliminating development next to water bodies.

MCM	BMP	Information Used	Quantity	Units	Does the BMP Demonstrate a Direct Reduction in Pollutants? (Answer Yes or No and explain)
5	5.27 Contractor Requirements	Review municipal contractor's contracts	Update contracts during renewal	Review as needed	Yes. Stormwater runoff is reduced from municipal properties.
5	5.28 City-owned Facilities and Control Inventory	Municipal Operations	1	Review annually	Yes. Stormwater runoff is better managed when staff knows the locations of the City-owned properties.
5	5.29 Municipal Operations and Maintenance Activities	Municipal Operations	1	Review annually	Yes. Stormwater runoff is reduced from municipal properties when operations are modified as needed to reduce stormwater runoff.
5	5.30 Structural Control Maintenance Program	Municipal Operations	1	Review annually	Yes. Stormwater runoff is reduced from municipal properties when operations are modified as needed to reduce stormwater runoff.

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

MCM(s)	Measurable Goal(s)	Explain progress toward goal or how goal was achieved. If goal was not accomplished, please explain.
1	Provide brochures and an annual newsletter article relating to stormwater management.	Met. The City has brochures available at City Hall and City-Sponsored Events. Provided 3 articles in the City newsletter relating to stormwater management topics. 13,000 newsletters are mailed out every other month for six publications per year.
1	Provide Household Hazardous Waste and eWaste/Paper Shred events	Met. City held one HHW and one eWaste/Paper Shred event in 2023.
1	Annual Reports Available on Website	Met. The annual report is posted on the City's website.
2	Illicit Discharge Ordinances	Met. Reviewed illicit discharge ordinance and no changes were made.
2	Stormwater System Mapping	Met. Stormwater system map and GIS system were reviewed and updated as new systems were constructed.
2	Review existing detection and elimination program	Met. The current program was reviewed and no changes were made.
2	Field Staff Training	Met. Two training events were held with field staff that have the potential to encounter or respond to illicit discharges.
3	Construction Site Stormwater Runoff Control Ordinances	Met. Reviewed current ordinances and no changes were made.
3	Construction Plan Review	Met. Reviewed 13 construction plans submitted by developer.
4	Development Plan Review	Met. Reviewed 9 development plans for stormwater related issues.

MCM(s)	Measurable Goal(s)	Explain progress toward goal or how goal was achieved. If goal was not accomplished, please explain.
5	Employee Training	Met. Provided training to City staff involved in stormwater management.
5	Street Sweeping	Exceeded. Goal is to sweep all streets on a quarterly basis and the City was able to sweep the streets 7 times in 2023.

C. Stormwater Data Summary

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

The City conducts dry weather screening as part of the Illicit Discharge and Detection Program. The City has 115 outfalls and 12 outfalls were sampled in 2023. A list of sample locations and example results sheet is attached.

D. Impaired Waterbodies

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

Stormwater discharges into the Clear Fork of the Trinity River and it is an impaired water body. The pollutants of concern (POCs) include polychlorinated biphenyls, dioxin and chlordane. The City does not believe it is a source because none of the industries in the City have these POCs listed in their inventories.

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

The City believes these POCs are legacy chemicals and the City is not the source for these POCs.

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

Not applicable.

4. Report the benchmark identified by the MS4 and assessment activities:

Benchmark Parameter <i>(Ex: Total Suspended Solids)</i>	Benchmark Value	Description of additional sampling or other assessment activities	Year(s) conducted
		Not applicable	

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

Benchmark Parameter	Selected BMP	Contribution to achieving Benchmark
	Not applicable	

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

Description of bacteria-focused BMP	Comments/Discussion
Not applicable	

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

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

- number of sources identified or eliminated;
- number of illegal dumpings;
- increase in illegal dumping reported;
- number of educational opportunities conducted;

- reductions in sanitary sewer flows (SSOs); /or
- increase in illegal discharge detection through dry screening.

Benchmark Indicator	Description/Comments
Not applicable	

E. Stormwater Activities

Describe activities planned for the next reporting year:

MCM(s)	BMP	Stormwater Activity	Description/Comments
1.1	Educate Residents	Brochures and newsletter article	Have stormwater brochures available at City Hall and publish one stormwater article in the newsletter
1.1	Educate Residents	HHW and eWaste/Shred events	Offer and promote one HHW and one eWaste/Shred events for 2024
1.2	Educate Businesses	Brochures	Distribute BMP literature to industrial and commercial businesses
1.3	Educate New Home Builders/Developers	Brochures	Distribute BMP literature to new home builders/developers
1.4	Public Notice of SWMP	Report	Publish annual report on City's website
1.5	Illicit Discharge Awareness Campaign	Brochures	Distribute information associated with illicit discharges and improper disposal of waste.
1.6	Social Media Outreach	Use social media to promote stormwater issues	At a minimum, 2 informational posts annually regarding stormwater issues.
2.7	Illicit Discharge Ordinance	Review existing illicit discharge ordinance	Annually evaluate and update existing ordinances if necessary.

MCM(s)	BMP	Stormwater Activity	Description/Comments
2.8	Stormwater System Mapping	Review and update map as necessary	Review 33% of the map per year.
2.9	Detection and Elimination Program	Review existing procedures	Review program on an annual basis and revise as businesses change.
2.10	Field Staff Training	Training	Provide annual training for staff members working in the stormwater area.
2.11	Onsite Sewage Disposal	Ordinance	Review onsite sewage disposal ordinance and revise as needed.
2.12	Compliance Inspections	Inspections	Implement compliance inspections.
2.13	Public Reporting of Illicit Discharges and Spills	Inspections	Implement complaint inspections.
3.14	Construction Site Stormwater Runoff	Ordinance Review	Review construction site stormwater runoff ordinance on an annual basis.
3.15	Construction Plan Review	Ordinance Review	Continue to review construction plans for stormwater management requirements, review and revise procedures as needed.
3.16	Site Inspection	Inspections	Have appropriate people attend training classes.
3.17	Information Submitted by the Public	Stormwater Complaints	Review website links and contact information on an annual basis.
3.18	MS4 Employee Training	Training	Provide annual training for staff members working in the stormwater area.

MCM(s)	BMP	Stormwater Activity	Description/Comments
3.19	Construction Site Operator Training	Stormwater Operations	Host training on an as-needed basis.
4.20	Stormwater Ordinance for Post-Construction Management	Ordinance Review	Continue to review post-construction management ordinance on an annual basis and revise as needed.
4.21	Development Plan Review	Ordinance Review	Continue to review post-development plans for stormwater management requirements and revise procedures as needed.
4.22	Post-Construction Site Inspections	Procedure Review	Annually review, update inspection procedures, checklists and other documentation as needed.
5.23	Disposal of Waste from MS4	Operations	Implement procedures previously developed.
5.24	Employee Training	Employee Training	Review and revise employee training materials.
5.25	Street Sweeping	Street Sweeping	Continue the goal of sweeping every street at least four times per year.
5.26	Floodplain Management	Erosion Hazard Zone	Implement Erosion Hazard Zone Ordinance
5.27	Contractor Requirements and Oversight	Municipal Operations	Continue to review contracts as they come up for renewal.
5.28	City-Owned Facilities and Control Inventory	Municipal Operations	Continue to review City-Owned facilities that have stormwater controls.

MCM(s)	BMP	Stormwater Activity	Description/Comments
5.29	Municipal Operations and Maintenance Activities	Municipal Operations	Continue to review City operations on an annual basis.
5.30	Structural Control Maintenance Program	Municipal Operations	Perform maintenance of structural controls at least annually or as needed.

F. SWMP Modifications

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

Yes No

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

Yes No

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

MCM(s)	Measurable Goal(s) or BMP(s)	Implemented or Proposed Changes (Submit NOC as needed)
	Not applicable	

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

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

No changes or proposed changes to the plan.

G. Additional BMPs for TMDLs and I-Plans

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

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

H. Additional Information

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

Yes No

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

Name and Explanation:

Name and Explanation:

Name and Explanation:

Name and Explanation:

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

Yes No

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

Yes No

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

Authorization Number: _____ Permittee: _____
 Authorization Number: _____ Permittee: _____
 Authorization Number: _____ Permittee: _____
 Authorization Number: _____ Permittee: _____

I. Construction Activities

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

4 new ones

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

Yes No

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

The number of municipal construction activities authorized under this general permit	2 (Municipal Complex, Dawn Drive/Westerly Ditch projects)
The total number of acres disturbed for municipal construction projects	3.8 + 1.1 = 4.9

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

J. Certification

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

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

Name (printed): Bennett C. Howell, III, PE, CFM Title: Director of Public Services

Signature: *Bennett C. Howell III* Date: 1/14/2024

Name of MS4 The City of Benbrook

Name (printed): _____ Title: _____

Signature: _____ Date: _____

Name of MS4 _____

Name (printed): _____ Title: _____

Signature: _____ Date: _____

Name of MS4 _____

Name (printed): _____ Title: _____

Signature: _____ Date: _____

Name of MS4 _____

Name (printed): _____ Title: _____

Signature: _____ Date: _____

Name of MS4 _____

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

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

2023 Dry Weather Screening Locations

Asset Identification Number	Address
64	7454 Vickery
68	Loop 820/San Angelo
69	Loop 820/Winscott
74	1120 Warden
79	936 Winscott
83	510 N Cozby
99	Loop 820/Aledo
102	321 Sexton
103	1101 Bryant
106	1101 Usher
107	1578 Winscott
108	1655 Winscott

Attachment 4

City of Benbrook

Drainage Inspection Report

Date: 9/1/22		Inspector: Chris	
Type of Inspection	Post-Storm	Complaint	Routine
Location: Crosslands & 183 service road			
Type of Problem	Trash	Minor	Obstruction <input checked="" type="checkbox"/> Structural
Recommended Maintenance:			
Is Specialized Equipment Needed?		If so, list:	
Backhoe Backhoe, Dump truck			
Special Entry Instructions?			
Other Agency Permit Required?			
Date of Work: 9/1/2022			
Work Order Description:			
Maintenance Performed: removed silt and dirt			
from Drainage outfall			
Inspected By:			

Attachment 4

City of Benbrook

Drainage Inspection Report

Date: 11-14-22		Inspector: Robert Perry		
Type of Inspection	Post-Storm	Reported Routine		
Location(s): 6500 Lakewood Blvd. # 3451				
Type of Problem	Trash	Minor	Obstruction	Structural
Maintenance Performed: Removed tree limbs from concrete drainage inlet				
Recommended Maintenance at a later date:				
Is Specialized Equipment Needed?		If so, list:		
Special Entry Instructions?				
Other Agency Permit Required?				

Dry Weather Field Screening Data Form

North Central Texas Regional Protocol



Outfall ID: 81

Latitude/Longitude: _____

Site Location: 1705 Timbercreek Rd

Outfall Type; RCP w/ concrete HAD Dimensions: 48", 39", 36"

Receiving Water: Clearfork

Site Notes:

Calibration (within 24 hours of sampling)	Date	Time	Standard Value	Initial Meter Reading	Meter Adjusted to	Post Calibration

1st Visit Date: 1/26/22 Time: 3:10

2nd Visit Date: _____ Time: _____

Precipitation <48 hours Yes No

Precipitation <48 hours Yes No

Flow None Low Med High

Flow None Low Med High

pH _____ s. u. _____
 Conductivity _____ uS _____
 Detergent _____ ppm _____
 Chlorine _____ ppm _____
 Copper _____ ppm _____
 Phenols _____ ppm _____
 Ammonia _____
 Nitrogen _____ ppm _____
 Air Temp _____ C _____
 Water Temp _____ C _____
 Color # _____
 Odor # _____
 Turbidity (meter) _____ NTUs

pH _____ s.u. _____
 Conductivity _____ uS _____
 Detergent _____ ppm _____
 Chlorine _____ ppm _____
 Copper _____ ppm _____
 Phenols _____ ppm _____
 Ammonia _____
 Nitrogen _____ ppm _____
 Air Temp _____ C _____
 Water Temp _____ C _____
 Color # _____
 Odor # _____
 Turbidity (meter) _____ NTUs

Comparator Low (0-50) _____ Med (75-150) _____ High (200-500) _____

Comparator Low (0-50) _____ Med (75-150) _____ High (200-500) _____

Sewage Yes No Trash Yes No

Sewage Yes No Trash Yes No

Oil Sheen Yes No Surface Scum Yes No

Oil Sheen Yes No Surface Scum Yes No

Notes: _____

Notes: _____

Gavin Gonzales

Print Name

Harvin Douglas

Signature

1/26/22

Date

Dry Weather Field Screening Data Form

North Central Texas Regional Protocol



Outfall ID: H 83

Latitude/Longitude: _____

Site Location: Intersection of Winscott & Spales

Outfall Type: Concrete Channel Dimensions: 6'

Receiving Water: Trinity River

Site Notes: _____

Calibration (within 24 hours of sampling)	Date	Time	Standard Value	Initial Meter Reading	Meter Adjusted to	Post Calibration

1st Visit Date: 10/21/22 Time: 10:30

2nd Visit Date: _____ Time: _____

Precipitation <48 hours Yes No

Precipitation <48 hours Yes No

Flow None Low Med High

Flow None Low Med High

pH _____ s.u.
 Conductivity _____ uS
 Detergent _____ ppm
 Chlorine _____ ppm
 Copper _____ ppm
 Phenols _____ ppm
 Ammonia _____
 Nitrogen _____ ppm
 Air Temp _____ C
 Water Temp _____ C
 Color # _____
 Odor # _____
 Turbidity (meter) _____ NTUs

pH _____ s.u.
 Conductivity _____ uS
 Detergent _____ ppm
 Chlorine _____ ppm
 Copper _____ ppm
 Phenols _____ ppm
 Ammonia _____
 Nitrogen _____ ppm
 Air Temp _____ C
 Water Temp _____ C
 Color # _____
 Odor # _____
 Turbidity (meter) _____ NTUs

Comparator Low (0-50) _____ Med (75-150) _____ High (200-500) _____

Comparator Low (0-50) _____ Med (75-150) _____ High (200-500) _____

Sewage Yes No Trash Yes No

Sewage Yes No Trash Yes No

Oil Sheen Yes No Surface Scum Yes No

Oil Sheen Yes No Surface Scum Yes No

Notes: _____

Notes: _____

Alex Harris
Print Name

Alex Harris
Signature

10/21/22
Date