



P.O. Box 3639
Cedar Park, Texas 78630

March 12, 2020

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

**Re: Phase II MS4 Annual Report Transmittal for Northtown MUD
TPDES Authorization: TXR040347**

Dear Team Leader:

This letter serves to transmit the required annual report for the Texas Pollutant Discharge Elimination System Small Municipal Separate Storm Sewer System General Permit, Authorization Number TXR040347 for the Northtown Municipal Utility District.

The annual report is for Year 1. The reporting period is from January 1, 2019 to December 31, 2019. The annual report is based upon the Notice of Intent and Stormwater Management Program (SWMP) submitted to the TCEQ on May 22, 2019. 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 the report has been mailed to the TCEQ's Region 11 Office 11 in Austin, Texas.

Sincerely,

360 PROFESSIONAL SERVICES, INC.
Texas Firm Registration #F4932

A handwritten signature in blue ink that reads "Scott J. Foster".

Scott J. Foster, P.E.
Engineer for the District

Attachments: Year 1 Annual Report

cc: Mr. Carter Dean, Armbrust & Brown, P.L.L.C.
TCEQ Region 11, Austin

Phase II (Small) MS4 Annual Report Form

TPDES General Permit Number TXR040000

A. General Information

Authorization Number: TXR040347

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

Annual Reporting Year Option Selected by MS4:

Calendar Year: 2019

Permit Year: _____

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

Reporting period beginning date: (month/date/year) 1/1/2019

Reporting period end date: (month/date/year) 12/31/2019

MS4 Operator Level: Level 2 Name of MS4: Northtown Municipal Utility District

Contact Name: Scott J. Foster, P.E. Telephone Number: (512) 354-4682 ext 101

Mailing Address: c/o 360 Professional Services Inc.

PO Box 3639

Cedar Park, TX 78630

E-mail Address: scott.foster@360psinc.com

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

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

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		The District is operating within the SWMP that was submitted to TCEQ in June 2019.

Permittee is currently in compliance with recordkeeping and reporting requirements.	X		
Permittee meets the eligibility requirements of the permit (e.g., TMDL requirements, Edwards Aquifer limitations, compliance history, etc.).	X		
Permittee conducted an annual review of its SWMP in conjunction with preparation of the annual report	X		

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)
General	General. The District utilizes the table in Appendix A to monitor the goals of the SWMP.	Yes. The table provides a simplified version of the goals of the SWMP.
2. Public Education	Review and Provide Bill inserts two times per year. Bill insert to include education on pet waste	Yes. Provides direct reminder information to the Public and indirectly to the District.
3. Public Education	Post revised SWMP and Spill Reporting Line on Website	Yes. Provides information to the public.
6. Public Education	Instruct construction site supervisors regarding the SWMP	Yes. Provides general information to contractors and reminds them of their SWPPP responsibility.
7. Public Education	Review establishment of "Grow Zones". Install signage along stream beds identifying "Grow Zones".	Yes. Provides effective public information on the purpose and provides a BMP to reduce erosion and pollutants entering the stream system.
8. Public Education	Review existing pet waste stations and signage. Provide additional stations as needed.	Yes. Monitoring the use and location of the pet waste stations provides both a reminder to the public and a direct impact on the reduction of pet waste.
9. Illicit Discharge Detections	Train District employees, contractor, and operator on SWMP	Yes. Routine training of new employees reinforces training of previous employees.
10. Illicit Discharge Detections	System Map including outfalls, names and locations of ponds	Yes. Updated maps provide a tool to monitor the locations of the facilities.

11. Illicit Discharge Detections	System Map of the District sanitary sewer system	Yes. Updated maps provide a tool to monitor the locations of the facilities.
12. Illicit Discharge Detections	Crossroads Utility Services & Districts' operator to Provide Routine Inspections for sanitary sewer systems located within 100 feet of the centerline of waterways.	Yes. The inspections provide an opportunity to evaluate the system to reduce overflows.
13. Illicit Discharge Elimination	Complete installation of Low Flow Lift Station and East Lift Station Force Main Replacement	Yes. Upon completion this will reduce the risks of sewage overflows.
14. and 15. Construction Site Stormwater Runoff	Review Plans for compliance with District's MS4 Program	Yes. The reviews ensure that the District's SWMP is implemented.
16. Construction Site Stormwater Runoff	Provide Routine Site Inspections	Yes. Site visits provide an opportunity to review the effectiveness of controls and ensure that the SWPPP is being implemented.
17. Post Construction Stormwater Management in New Development & Redevelopment	Provide Routine Inspections of District Maintained Facilities	Yes. Periodic inspections provide the opportunity to identify any maintenance needs of the facility that would impact their effectiveness.

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)
General	General. The District utilizes the table in Appendix A to monitor the goals of the SWMP.	SWMP Appendix	1	Checklist	Yes. The table provides a simplified version of the goals of the SWMP.

2. Public Education	Review and Provide Bill inserts two times per year. Bill insert to include education on pet waste	Utility Bill Inserts / Website	+/- 6,000	Inserts	Yes. Provides direct reminder of the information to the Public. The effectiveness is not quantifiable.
3. Public Education	Post revised SWMP and Spill Reporting Line on Website	Website	1	Website	No Provides information to the public, but the effectiveness is not quantifiable.
6. Public Education	Instruct construction site supervisors regarding the SWMP	Construction Sites	As Needed / Periodic	Inspections	Yes. Provides general information to contractors and reminds them of their SWPPP responsibility.
7. Public Education	Review establishment of "Grow Zones". Install signage along stream beds identifying "Grow Zones".	Inspections	As Needed / Periodic	Inspections	Yes. Provides effective public information on the purpose and provides a BMP to reduce erosion and pollutants entering the stream system.
8. Public Education	Review existing pet waste stations and signage. Provide additional stations as needed.	Inspections	As Needed / Periodic	Inspections	Yes. Monitoring the use and location of the pet waste stations provides both a reminder to the public and a direct impact on the reduction of pet waste.
9. Illicit Discharge Detections	Train District employees, contractor, and operator on SWMP	Training	As Needed / Periodic / 6 District Training Sessions (2019)	Training	Yes. Routine training of new employees reinforces training of previous employees.
10. Illicit Discharge Detections	System Map including outfalls, names and locations of ponds	Maps	As Needed / Periodic	Maps	Yes. Updated maps provide a tool to monitor the locations of the facilities.
11. Illicit Discharge Detections	System Map of the District sanitary sewer system	Maps	As Needed / Periodic	Maps	Yes. Updated maps provide a tool to monitor the locations of the facilities.

12. Illicit Discharge Detections	Crossroads Utility Services & Districts' operator to Provide Routine Inspections for sanitary sewer systems located within 100 feet of the centerline of waterways.	Inspections	Annual	Inspections	Yes. The inspections provide an opportunity to evaluate the system to reduce overflows and inflow/infiltration.
13. Illicit Discharge Elimination	Complete installation of Low Flow Lift Station and East Lift Station Force Main Replacement	Plans	1	Construction Plans	Yes. Upon completion this will reduce the risks of sewage overflows.
14. and 15. Construction Site Stormwater Runoff	Review Plans for compliance with District's MS4 Program	Plans	As needed.	Plans	Yes. The reviews ensure that the District's SWMP is implemented.
16. Construction Site Stormwater Runoff	Provide Routine Site Inspections	Construction Sites	As Needed / Periodic	Inspections	Yes. Site visits provide an opportunity to review the effectiveness of controls and ensure that the SWPPP is being implemented.
17. Post Construction Stormwater Management in New Development & Redevelopment	Provide Routine Inspections of District Maintained Facilities	Inspections	As Needed / Periodic	Inspections	Yes. Periodic inspections provide the opportunity to identify any maintenance needs of the facility that would impact their effectiveness.

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.
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General	General. The District utilizes the table in Appendix A to monitor the goals of the SWMP.	The District utilizes the table in Appendix A to monitor the goals of the SWMP.
2. Public Education	Review and Provide Bill inserts two times per year. Bill insert to include education on pet waste	Bill Inserts were provided in April and October.
3. Public Education	Post revised SWMP and Spill Reporting Line on Website	Information was posted on site.
6. Public Education	Instruct construction site supervisors regarding the SWMP	Requirements are discussed at the joint preconstruction meeting(s) with the City of Austin and Travis County
7. Public Education	Review establishment of "Grow Zones". Install signage along stream beds identifying "Grow Zones".	Periodic reviews are provided as needed.
8. Public Education	Review existing pet waste stations and signage. Provide additional stations as needed.	The District added 3 pet waste stations in 2019 and used approximately 18,000 bags.
9. Illicit Discharge Detections	Train District employees, contractor, and operator on SWMP	The District held 4 training sessions with new employees and the district operator held 3 training sessions for their employees.
10. Illicit Discharge Detections	System Map including outfalls, names and locations of ponds	Maps are updated as new development occurs and were updated in May 2019
11. Illicit Discharge Detections	System Map of the District sanitary sewer system	Maps are updated as new development occurs and were updated in May 2019
12. Illicit Discharge Detections	Crossroads Utility Services & Districts' operator to Provide Routine Inspections for sanitary sewer systems located within 100 feet of the centerline of waterways.	Crossroads performed the inspections in Summer 2019 and did not identify any issues.

13. Illicit Discharge Elimination	Complete installation of Low Flow Lift Station and East Lift Station Force Main Replacement	Project was designed and submitted for review. The project is anticipated to start construction in Fall 2020.
14. and 15. Construction Site Stormwater Runoff	Review Plans for compliance with District's MS4 Program	As needed. Construction plans are submitted by the developers for compliance review.
16. Construction Site Stormwater Runoff	Provide Routine Site Inspections	As needed. Construction sites are visited for compliance review.
17. Post Construction Stormwater Management in New Development & Redevelopment	Provide Routine Inspections of District Maintained Facilities	District facilities are monitored after rainfall and a minimum of quarterly. The District removed 121 bags of waste from the ponds. In addition, the District cleaned up multiple illegal dumpings as part of routine maintenance.

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.?

Routine Pond Maintenance and inspections provide a direct and coordinated success towards the reduction of pollutants.

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.

Gillard Creek (segment 1428C) basin was previously listed as an impaired water. No changes have been made to any basins with in the permitted area.

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.

MCM 8 is focused on the removal of pet waste. MCM 9 focused on training of district employees, contractors, and operators. MCM 12 and MCM 13 are focused at reducing sanitary sewer overflows into the streams.

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

MCM 8 is focused on the removal of pet waste. MCM 9 focused on training of district employees, contractors, and operators. MCM 12 and MCM 13 are focused at reducing sanitary sewer overflows into the streams.

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
Bacteria	NA	MCM 8 – education on pet waste reduction is not quantifiable; however; waste stations are used and routinely refilled.	2019
Bacteria	NA	MCM 9 – training of personal to identify possible issues and how to handle issues is integral to an ongoing program.	2019
Bacteria	NA	MCM 12 and MCM 13 – no sanitary overflows were identified.	2019

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
Bacteria	MCM 8. Pet Waste Reduction	Public education and providing pet waste stations in District parks.
Bacteria	MCM 9. Training	On-going training to identify issues and resolution.
Bacteria	MCM 12 and 13. Sanitary Sewer Overflows	Routine inspection and maintenance of aging infrastructure reduces potential risks and provides a reduction in potential sanitary sewer overflows

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

Description of bacteria-focused BMP	Comments/Discussion
Bacteria	See MCM's 8, 9, 12 and 13

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
MCM 8. Reduction in Pet Waste	Added 3 pet waste stations and used approximately 18,000 disposal bags
MCM 12. Reduction in Sanitary Sewer Overflows (MCM 12)	Inspections occurred an no issues were noted.
MCM13. Reduction in Sanitary Sewer Overflows (MCM 13)	Aging infrastructure is in the process of being replaced.
MCM 17. Post Construction Stormwater Management in New Development & Redevelopment	The District removed 121 bags of waste from the ponds and multiple illegal dumpings.

E. Stormwater Activities

Describe activities planned for the next reporting year:

MCM(s)	BMP	Stormwater Activity	Description/Comments
General	General. The District utilizes the table in Appendix A to monitor the goals of the SWMP.	NA	See Appendix A for a list of ongoing activities in 2020 (Year 2)

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)
N/A		

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.).

N/A

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)
General	Routine monitoring of Appendix A MCM's	On-going	On-going

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 N/A

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

Authorization Number: N/A 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):

Two

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	
The total number of acres disturbed for municipal construction projects	<u>None</u>

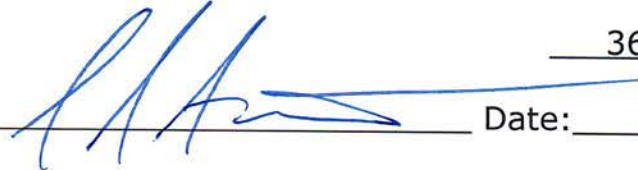
Note: Though the seventh MCM is optional, implementation must be requested on the NOI or on a NOC and approved by the TCEQ.

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): Scott J. Foster, P.E. Title: Engineer for the District,
360 Professional Services, Inc.

Signature:  Date: 03/12/2020

Name of MS4 Northtown Municipal Utility District

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.

Appendix A - List of Measurable Goals



Northtown Municipal Utility District
Stormwater Management Program
 Phase II MS4 Permit No. TXR040000
 Authorization Number TXR040347

IMPLEMENTATION SCHEDULE (OPTIONAL MEASURE) - SWMP SUBMITTED TO TCEQ ON 05/22/19 (UNDER REVIEW)

2019 ANNUAL REPORT (YEAR 1)

With the original SWMP, the District established specific goals to be implemented. While these are not required to be part of the revised SWMP, they provide a general guide on the District’s SWMP goals. The District will provide the same activities with the updated information required in the new permit. The chart below is intended to provide a tracking mechanism to facilitate the preparation of future required annual reports.

MCM(s)	BMP	Milestones of Permit Year	New, Revised or Continue	Start Date	Status / Completion Date (completed, in progress, not started)
1. Public Education	Hold Public Hearing on new Permit and SWMP.	NA	New	July 2019 or upon TCEQ Approval	Pending TCEQ Approval
2. Public Education	Review and Provide Bill inserts two times per year. Bill insert to include education on pet waste	NA	Continue	On-going	Bill inserts were provided in April and October 2019 with pet waste information. In addition, the bill insert is posted on the District’s website.
3. Public Education	Post revised SWMP and Spill Reporting Line on Website	NA	New	July 2019 or upon TCEQ Approval	The posting of the revised SWMP is pending approval from the TCEQ. The Spill Reporting Line is posted on the District’s website.



Northtown Municipal Utility District
Stormwater Management Program
 Phase II MS4 Permit No. TXR040000
 Authorization Number TXR040347

MCM(s)	BMP	Milestones of Permit Year	New, Revised or Continue	Start Date	Status / Completion Date (completed, in progress, not started)
4. Public Education	Provide notice to TDS of the Districts SWMP and TDS to train staff	NA	Continue	December 2019	This item is pending approval of the SWMP so that approved revisions can be presented.
5. Public Education	Meet with School Representatives on updated SWMP	NA	Continue	July 2020	This item is pending approval of the SWMP so that approved revisions can be presented.
6. Public Education	Instruct construction site supervisors regarding the SWMP	NA	NA	On-going as needed	On-going as needed 2019 – NTMUD had limited construction activity and periodic visits were conducted.
7. Public Education	Review establishment of “Grow Zones”. Install signage along stream beds identifying “Grow Zones”.	NA	NA	January 2019 and on-going as needed.	On-going as needed 2019 – The establishment and signage are currently adequate.
8. Public Education	Review existing pet waste stations and signage. Provide additional stations as needed.	NA	NA	January 2019 and on-going as needed.	On-going as needed 2019 – the establishment and signage are currently adequate. Additional waste stations were added to the new parks and trails (Wildflower Park) As additional park facilities are added, then additional stations need to be installed.



**Northtown Municipal Utility District
Stormwater Management Program**

Phase II MS4 Permit No. TXR040000
Authorization Number TXR040347

MCM(s)	BMP	Milestones of Permit Year	New, Revised or Continue	Start Date	Status / Completion Date (completed, in progress, not started)
9. Illicit Discharge Detections	Train District employees, contractor, and operator on SWMP	NA	NA	December 2020	On-going as needed. District employees are routinely trained during for MS4 related items. The District's contractors serve multiple Districts and have routine training programs in place which meet the District's requirements.
10. Illicit Discharge Detections	System Map including outfalls, names and locations of ponds	Map completed with new permit	New	Every 3-5 years and a minimum of at least once per permit term, or as needed.	Completed with permit update and will be updated throughout the permit as necessary.
11. Illicit Discharge Detections	System Map of the District sanitary sewer system	Map included with new permit	New	Every 3-5 years and a minimum of at least once per permit term, or as needed	Included with permit update and will be updated throughout the permit as necessary.
12. Illicit Discharge Detections	Crossroads Utility Services & Districts' operator to Provide Routine Inspections for sanitary sewer systems located within 100 feet of the centerline of waterways.	NA	Continue	On-going as needed	Crossroads Utilities has an inspection program in place and is responsible for the implementation. 2019 - Completed and on going by the District Operator



Northtown Municipal Utility District
Stormwater Management Program
 Phase II MS4 Permit No. TXR040000
 Authorization Number TXR040347

MCM(s)	BMP	Milestones of Permit Year	New, Revised or Continue	Start Date	Status / Completion Date (completed, in progress, not started)
13. Illicit Discharge Elimination	Complete installation of Low Flow Lift Station and East Lift Station Force Main Replacement	NA	New	December 2022	The design of the project was completed and is currently under review at the City. Construction is anticipated to start in 2020 and be completed in 2021.
14. Construction Site Stormwater Runoff	Review Plans for compliance with District's MS4 Program	NA	NA	On-going as needed	On-going as needed 2019 – NTMUD had limited applications to review for compliance.
15. Construction Site Stormwater Runoff	Review Plans for compliance with District's MS4 Program	NA	NA	On-going as needed	On-going as needed 2019 – NTMUD had limited applications to review for compliance.
16. Construction Site Stormwater Runoff	Provide Routine Site Inspections	NA	NA	On-going as needed	On-going as needed 2019 – NTMUD had limited sites to review for compliance.
17. Post Construction Stormwater Management in New Development & Redevelopment	Provide Routine Inspections of District Maintained Facilities	NA	NA	On-going as needed	On-going as needed and a minimum of once every 5 years. 2019 – The District inspected the ponds after every rainfall and at least on a quarterly basis.