

Phase II (Small) MS4 Annual Report Form

TPDES General Permit Number TXR040000

A. General Information

Authorization Number: TXR040557

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

Annual Reporting Year Option Selected by MS4:

Calendar Year: _____

Permit Year: X

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

Reporting period beginning date: (month/date/year) 12/13/2018

Reporting period end date: (month/date/year) 1/23/2020

MS4 Operator Level: Level 2 Name of MS4: Tarrant County College District
Northwest Campus MS4

Contact Name: Steven Kleypas Telephone Number: 817-515-1990

Mailing Address: 300 Trinity Campus Drive, TRPG, Ft. Worth, TX 76102

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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 | | Activities outlined in the submitted SWMP have been implemented as scheduled. |

| | | |
|--|---|--|
| Permittee is currently in compliance with recordkeeping and reporting requirements. | X | Annual reports were submitted in 2019 as required for all entities covered under the shared SWMP. Records are kept as required. |
| Permittee meets the eligibility requirements of the permit (e.g., TMDL requirements, Edwards Aquifer limitations, compliance history, etc.). | X | Eligibility requirements of the permit are met. |
| Permittee conducted an annual review of its SWMP in conjunction with preparation of the annual report | x | The SWMP was updated in 2019 and a review performed in conjunction with the preparation of this annual report shows it to be up-to-date. |

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 Events, Promotional and Giveaway Materials, Educational materials, Web Page, Hotline | Yes, this BMP had an indirect impact on the discharge of pollutants in stormwater. The information provided to the TCCD community is designed to increase understanding and influence behaviors. It also provides an avenue to receive feedback from the campus community on stormwater issues. Ultimately, the increased knowledge and influenced behaviors is expected to result in reduction of pollutants in stormwater. |
| 2 | Storm sewer maps, target area inspections, hotline, website reporting form, field personnel training | Yes, this BMP has a direct impact on reducing the discharge of pollutants by identifying pollutants being exposed to stormwater by field personnel or during target area inspections and/or by campus community members reporting observations of pollutants. |

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| 3 | Policies, construction site reviews, inspections and investigations, hotline, and staff training | Yes, this BMP had a direct impact on reducing the discharge of pollutants by requiring construction contractors to comply with stormwater permitting and applicable BMPs, and to adhere to TCCD design standards intended to reduce pollutants exposed to stormwater. Routine inspections will identify non-compliances with established BMPs, thus reducing potential pollutants from entering the stormwater. |
| 4 | Post-construction inspections and established technical design guidelines. | Yes, this BMP will have a direct impact on reducing the discharge of pollutants by ensuring that the planning of new construction follows TCCD design guidelines, which incorporates stormwater pollution prevention. Post-construction inspections will assist in assuring construction has followed the guidelines. |
| 5 | Storm sewer maintenance & inspections, waste disposal, spill prevention, employee training, campus assessments, routine inspections, contractor management, water conservation, pesticide management | Yes, this BMP will have a direct impact on reducing the discharge of pollutants. Facilities staff training and contractor management will assure potential pollutants are managed appropriately (i.e., materials stored indoors or under cover, spills cleaned up promptly, etc.). Campus assessment will assist in identifying additional target areas and routine inspections will identify potential pollutants and serve as additional staff training. |

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 | Public Education | Special Events | 5 | events | No, a direct reduction of pollutants is not demonstrated but through education and information, a shift in behavior eventually may result in reduced pollutants. |

| | | | | | |
|---|---------------------------------------|--|----|-------------|---|
| 1 | Public Education | Digital Signage | 2 | Messages | No, a direct reduction of pollutants is not demonstrated but through education and information, a shift in behavior eventually may result in reduced pollutants. |
| 2 | Dry Weather Screening | Visual observation of outfalls and upstream areas | 20 | Inspections | Yes, if illicit discharges are observed they can be identified and stopped. If pollutants are observed upstream, these can be addressed prior to discharge of pollutant. |
| 3 | Construction site inspections | Visual observation of construction site areas | 2 | Inspections | Yes, if construction site BMPs are not being followed and evidence of pollutants entering stormwater is observed, this can be addressed; thus, reducing pollutant discharge. |
| 4 | Construction plan review | Construction design | 1 | Review | No, this BMP does not have a direct impact on pollutant reduction but by incorporating stormwater pollution prevention requirements into the design guidelines that contractors follow, pollutants will be reduced. |
| 5 | Storm sewer inspections & maintenance | Visual observation of storm sewer systems (catch basins, inlets, drainage channels, retention ponds) | 10 | Inspections | Yes, by inspecting and maintaining storm sewer systems and performing required maintenance, a reduction of pollutants entering the stormwater is expected. |

| | | | | | |
|---|-------------------------|--|----|-------------|--|
| 5 | Target Area Inspections | Visual observation of target areas with potential pollutant exposure to stormwater | 20 | Inspections | Yes, If pollutants are observed in the target areas, these can be addressed prior to discharge of pollutant into stormwater. |
|---|-------------------------|--|----|-------------|--|

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**):

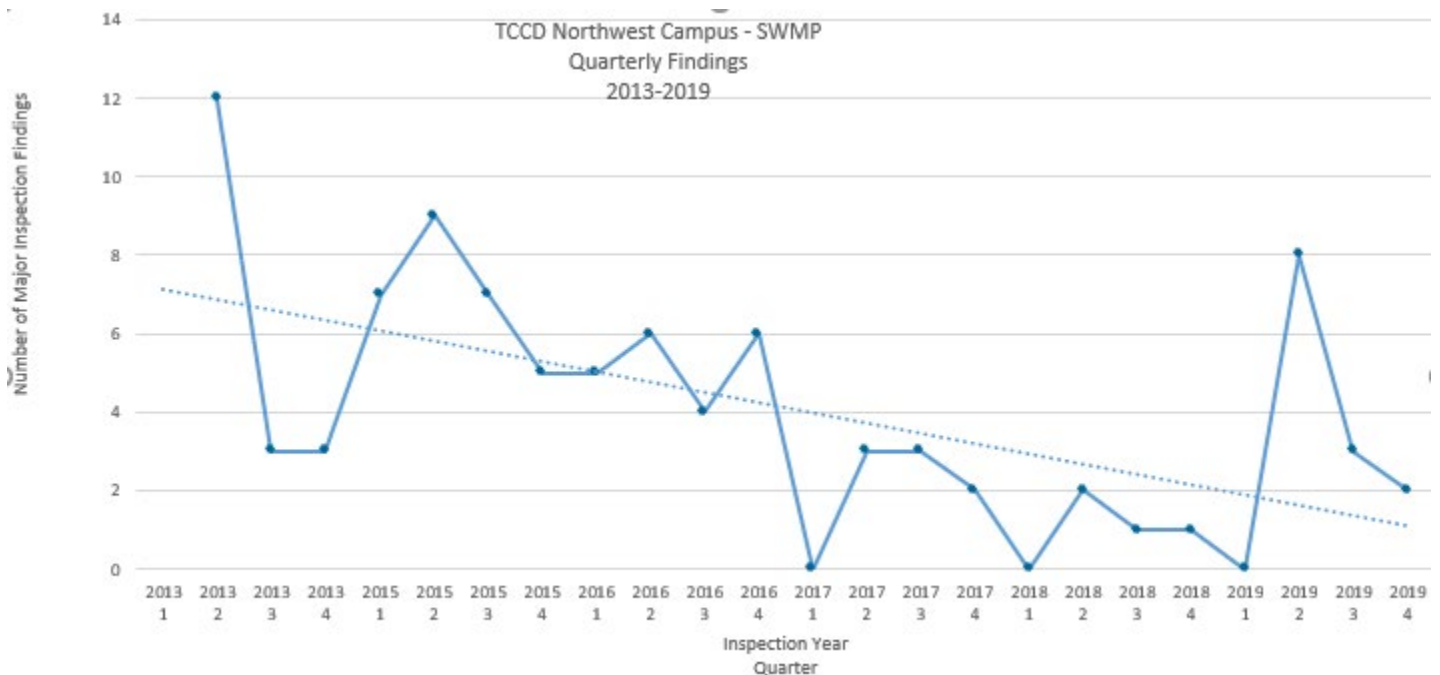
| MCM(s) | Measurable Goal(s) | Explain progress toward goal or how goal was achieved. If goal was not accomplished, please explain. |
|---------------|--|--|
| 1 | Host two events at various TCCD campuses annually | Exceeded goal. Five events were hosted at various campuses during 2019 including Earth Day Celebration, Spring Fest, International Fest, Arbor Day and a Campus Day of Service. These events each provided information related to stormwater pollution prevention. |
| 1 | Direct participation of TCCD's Office of Environmental Management in at least 1 special event annually Display education materials annually at campus events. | Exceeded goal. TCCD's Office of Environmental Management directly participated in three events during 2019. Promotional and educational materials were available at a booth display as well as hands-on demonstration of Vermi-composting, for each event. |
| 1 | Establish web page | Met goal. A web site dedicated to providing information about TCCD's stormwater program was established and is currently live. |
| 1 & 2 | Storm water hotline and reporting form added to the web page. Review call log and summary of reports annually | Met goal. The long-established storm water hotline number was added to the new Stormwater Management web page as well as a reporting form that can be used to report concerns related to stormwater pollution. A review of the call log and reporting summary indicates no calls or reports were made. |

| | | |
|---|--|--|
| 1 | Sponsor at least one cleanup day annually. | Met Goal. TR and NE Campuses both sponsored Community Day of Service programs which included projects at the Botanic Garden in Ft. Worth and a Kayak Cleanup, among many others. |
| 1 | Provide contractors with educational materials. | Met Goal. The primary contractor for construction project initiated at the NW campus in April 2019 was provided information during pre-construction meetings. |
| 2 | Review and update (if needed) storm sewer maps, annually. | Met goal. Storm sewer maps for each campus were reviewed in 2019 concurrent with revision of the SWMP and submittal of a new NOI for the new permit term. |
| 2 | Conduct target area inspections at each campus quarterly. Review target areas annually. | Met goal. Target area inspections were completed at each campus, during each quarter of 2019. The target areas were reviewed in 2019 concurrent with revision of the SWMP and; submittal of the new NOI for the new permit term. |
| 2 | Document and respond to 100% of IDDE reports. | No IDDE reports were made. |
| 3 | Hold pre-construction meetings for projects that disturb more than 1 acre. | Met Goal. Preconstruction meetings were held with the contractor for the construction project initiated in April 2019. |
| 3 | Review 100% of applicable construction project SWP3s. | Met Goal. The construction project SWP3 was reviewed by the Director of Environmental Management. |
| 3 | Inspect 100% of applicable construction projects. | The construction project was inspected and inspection reports reviewed by the Director of Environmental Management. |
| 4 | Inspect 100% of sites following receipt of NOT. | No construction projects were terminated in 2019. |

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.?

Visual observations made each quarter, at each campus included the target areas and outfalls. During the quarterly inspections, the inspectors looked for flow during dry weather and assessed the condition of the outfalls (and retention ponds if present). Also, Facilities personnel (groundskeeping staff) visually inspected the grounds, cleaning inlets as needed and looking for illicit discharges, on a weekly basis. The below graph shows the number of "findings" that were noted beginning with the initial year of SWMP implementation (2013) at the Northwest campus. Beginning with 2nd quarter 2019, the total number of findings (including both "unacceptable" and "needs improvement") are included in the count so that it may appear as if conditions have worsened, when in fact, the number of "unacceptable" findings has decreased so that now TCCD is focusing more on the "needs improvement" category.



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.

No newly identified impaired waters were listed.

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.

TCCD Northwest Campus discharges to Marine Creek Lake, Segment 0806D. Review of the 2018 303(d) list, indicates this segment is impaired for bacteria, category 5c. It was first listed in 2006 as a Category 5c. In 2010 it appeared on the list as a Category 5b, and then did not appear at all on the 303(d) lists for 2012, 2014, or 2016.

TCCD Northwest Campus has determined that contribution to bacteria levels from stormwater runoff does not occur on campus. The campus does not have overflowing sewer systems, animal sources, a residential population, or other sources that would be expected to contribute to bacteria in runoff.

However, continued offerings of educational and awareness information and the target area inspections, TCCD works to minimize or eliminate potential for litter on campus, litter or other pollutants from trash dumpsters and compactors, and in the community, which may ultimately affect bacteria levels. Implementation of these BMPs as well as continued maintenance of structural controls, will assist in preventing further impact to stormwater by educating students, faculty and staff.

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

TCCD Northwest Campus discharges to an impaired water body (segment 0806D), but as a Category 5c, there is not an established TMDL. Category 5c indicates additional data is needed prior to developing a management strategy. However, TCCD's Director of Environmental Management will continue conducting quarterly inspections at target areas. This activity together with daily/weekly inspections of parking areas, open spaces, and outfalls are the primary activities used to address discharges. As a secondary activity, student and faculty awareness and educational programs are provided during campus events (i.e., earth day, spring fest, arbor day) and through display/distribution of education information and materials.

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 (E Coli) | Counts (most probable number per milliliter [mpn/ml]) | Quarterly visual inspections of outfalls, retention ponds, and target areas (Director of Environmental Management) Weekly/Daily inspections (Facility Services staff and groundskeepers) | 2013 to present |
|-------------------|---|---|-----------------|

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 |
|---------------------|--|---|
| <i>Bacteria</i> | Visual Observations (quarterly, weekly, daily) | Potential sources of bacteria (food waste from compactors and litter) are removed if identified. |
| Bacteria | Public outreach and education | Students, faculty and staff receive bacteria-specific educational materials which may reduce both on and off campus discharges. |

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

| Description of bacteria-focused BMP | Comments/Discussion |
|-------------------------------------|--|
| Target area inspections | A total of four target area inspections were completed during 2019; During each inspection, compactors, trash dumpsters, etc. were inspected among others. |

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 |
|---|---|
| Number of sources identified or eliminated. | No sources of bacteria were identified at Northwest Campus during 2019 inspections, but litter was routinely removed from parking areas and open spaces. |
| Number of educational opportunities conducted. | TCCD Northwest campus hosted an Earth Day Fest celebration during April 2019, where information was provided to attendees and participants regarding stormwater pollution prevention. |
| Illegal discharge detection through dry screening | No illegal discharge was detected during dry weather screening conducted in conjunction with quarterly inspections. |

E. Stormwater Activities

Describe activities planned for the next reporting year:

| MCM(s) | BMP | Stormwater Activity | Description/Comments |
|---------------|---------------|--|---|
| 1 | Public Events | Host at least two events such as Earth Day Celebration or Arbor Day. | Events are typically held at each campus during the spring to celebrate Earth Day or at other times of the year to provide opportunities for students and faculty to give back to the community through public service. TCCD's Office of Environmental Management will participate in at least one of these events during 2020, offering promotional materials and information regarding its stormwater management program. |

| | | | |
|----------|----------------------------------|---|---|
| 1 | Stormwater Educational Materials | Educational messages displayed on digital signs and/or available for viewing on the TCCD Stormwater web site. | A new educational message will be rotated onto digital signage and/or on the TCCD stormwater web page every quarter. |
| 1 & 2 | Hotline and Webpage | Stormwater information exchange | The long-established stormwater hotline will be displayed as well as a form available on the newly created TCCD stormwater webpage. The hotline and form are intended to gather information related to pollution from the campus occupants. The Public Notice regarding the TCCD SWMP and this annual report, will be posted for information and input. |
| 2 | Storm Sewer Maps | Review and Update | The storm sewer maps will be reviewed and updated if needed. |
| 2 | Dry Weather Screen | Visual observation of outfalls during dry weather. | Outfalls will be visually inspected each quarter to determine if illicit discharges are occurring. |
| 2, 3 & 5 | Training | Initial and recurrent training | Field staff will be trained on spill response and on identifying and investigating illicit discharges. Training on BMPs and GHMs will be provided through information exchanged quarterly during target area inspections. Staff whose duties are related to implementing construction stormwater program will be trained on their responsibilities. |
| 5 | Pollution Prevention | Target Area Inspections | TCCD will continue its quarterly target area inspection program to identify potential pollutants and to continue improving performance in BMP and GHM implementation. |
| 5 | Water Conservation | Automated irrigation systems | Automated systems that utilize daily weather information will be installed at each campus. This will allow irrigation to vary depending on temperature, wind and rainfall. |

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__X_No

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

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

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

3. Explain additional changes or proposed changes not previously mentioned (i.e. dates, contacts, procedures, annexation of land, etc.).
No additional changes.

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) |
|--------------------|-------------|--|--|
| No additional BMPs | | | |

H. Additional Information

1. Is the permittee relying on another entity to satisfy any permit obligations?
 __X__ Yes __ No

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

Name and Explanation: In reference to illicit discharges discovered where the discharger is non-TCCD personnel, TCCD does not have a legal means by which to prohibit and/or eliminate illicit discharges and will refer these matters to the City where the campus resides (Fort Worth, Arlington, or Hurst), or the regional TCEQ office for enforcement. However, given the nature of the TCCD campuses, the possibility of a scenario where this would happen is extremely remote.

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):

1

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 | |

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): Susan Alanis Title: Chief Operating Officer

Signature: _____ Date: March 9, 2020

Name of MS4 Tarrant County College District Northwest Campus 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.