

Phase II (Small) MS4 Annual Report Form

TPDES General Permit Number TXR040000

A. General Information

Authorization Number: TXR040124

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

Annual Reporting Year Option Selected by MS4:

Calendar Year: 2018

Permit Year: _____

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

Reporting period beginning date: (month/date/year) 01/01/2018

Reporting period end date: (month/date/year) 12/31/2018

MS4 Operator Level: Phase II Name of MS4: Ellis County

Contact Name: Joseph Jackson Telephone Number: (972) 825-5165

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A copy of the annual report was submitted to the TCEQ Region: YES 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. | | ✓ | Not all BMPs have been implemented due to budget constraints |

| | | | |
|--|---|--|--|
| Permittee is currently in compliance with recordkeeping and reporting requirements. | ✓ | | |
| Permittee meets the eligibility requirements of the permit (e.g., TMDL requirements, Edwards Aquifer limitations, compliance history, etc.). | ✓ | | |

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) |
|---|--|--|
| 3-1: Public Education & Outreach | Distribute and Advertise Educational Material | Yes, stormwater pollution education was extended to the public at multiple public events (Lawn and Garden Expo, Finley Jr. High). |
| 3-1: Public Education & Outreach | Purchase and Develop Educational Material | Yes, updated material obtained and provided for new/further educational purposes. |
| 3-2: Public Involvement & Participation | Open Meetings and Citizens Reports | Yes, multiple Citizen Reports were received and allocated to appropriate Road and Bridge Precinct for proper handling / correction. |
| 3-3: Illicit Discharge & Elimination | Urbanized Area Map & Annual Outfall Inspection | Yes, 20 sites were inspected and documented. |
| 3-3: Illicit Discharge & Elimination | On-site Sewage Facilities | Yes, 123 facilities were permitted in the MS4 jurisdiction during this term. 54 facilities in MS4 jurisdiction received complaints. All 54 complaint locations were inspected and corrected. |
| 3-4: Construction Site Run-off | NOI and Site Notice File for Construction | Yes, 4 construction NOIs were filed in the Operator's MS4 jurisdiction during this permit term. |

| MCM(s) | BMP | BMP is appropriate for reducing the discharge of pollutants in stormwater (Answer Yes or No and explain) |
|--|--|---|
| 3-5: Post Construction Storm Water Management in New & Redevelopment | Subdivision Rules & Regulations Rewrite | Yes, the revised rules (including Drainage Design Manual) were implemented during this permit year. This includes more restrictive storm water runoff requirements. This is an ongoing BMP and amendments will be taken to Commissioners Court as needed. |
| 3-6: Pollution Prevention/Good Housekeeping for Municipal Operations | County Operations Survey, and Selection and Implementation of Good Housekeeping BMPs | Yes, Good housekeeping BMPs that are implemented during Precinct operations reduce the discharge of pollutants in storm water. Multiple surveys were conducted by Engineering staff this permit year. |
| 3-6: Pollution Prevention/Good Housekeeping for Municipal Operations | Proper Waste Disposal | Yes, each Precinct completes a monthly waste disposal log for documentation. |
| 3-6: Pollution Prevention/Good Housekeeping for Municipal Operations | Employee Training | Yes, an educational presentation is conducted at all four Precincts to the staff for stormwater education. |

3. Describe progress towards reducing the discharge of pollutants to the maximum extent practicable. Summarize any information used (such as visual observation, amount of materials removed or prevented from entering the MS4, or, if required, monitoring data, etc.) to evaluate reductions in the discharge of pollutants. You may use the table below to meet this requirement (**see Example 2 in instructions**):

The Operator conducted multiple “in-house” surveys this permit year to ensure County operations are using BMPs as often and effectively as possible. These surveys included the County Commissioners, Road and Bridge staff, County Engineer and Assistant County Engineer. During previous permit years, stormwater staff has primarily focused on education and outreach MCMs for reducing the discharge of pollutants to the MEP.

Also, the implementation of the Ellis County Drainage Design Manual has been another major addition to our progress this year. We have added more restrictive storm water requirements for new subdivision construction. This mostly pertains to subdivision design in regards to pre and post development. In addition to the drainage design manual, we implemented a preliminary grading process to ensure we obtain a SWPPP, erosion control plan, and NOI before any grade work is completed for a subdivision.

| MCM | BMP | Information Used | Quantity | Units | Does the BMP Demonstrate a Direct Reduction in Pollutants? (Answer Yes or No and explain) |
|------------|---|---|-----------------|-------------------|--|
| 1 | Distribute Stormwater Educational Materials | Distribute educational material such as crosswords, word searches, and more | 100 | Various materials | No, but provides education in helping to prevent pollution. |

| MCM | BMP | Information Used | Quantity | Units | Does the BMP Demonstrate a Direct Reduction in Pollutants? (Answer Yes or No and explain) |
|------------|---|---|--|---------------------------------------|--|
| 1 | Purchase and Develop Stormwater Educational Materials | Updated and obtained new material for distribution: bookmarks, coloring books, and more | 100 | Various materials | No, but provides new education material in helping to prevent pollution. |
| 2 | Open Meetings and Citizen Reports | Providing opportunity for public reporting and comment on storm water concerns | <30 | Comments received | Yes, an illicit discharge can be contained or minimized through a citizen report. We received more reports than normal due to record rainfall totals this permit year. |
| 3 | Urbanized Area Map & Annual Outfall Inspection | Create and maintain MS4 area map and inspection of outfalls in the MS4 area | 1 map, 20, outfall inspections See Attached | Maintain and utilize map, inspections | No, but the map helps identify areas of concern. Yes, inspections ensure proper BMP implementation and help reduce pollutants. |
| 3 | On-site Sewage Facilities | Require permitting for new on-site sewage facilities | 123 | Septic permits in MS4 Jurisdiction | Yes, requiring permits for proper septic design and installation helps prevent illicit discharge. |

| MCM | BMP | Information Used | Quantity | Units | Does the BMP Demonstrate a Direct Reduction in Pollutants? (Answer Yes or No and explain) |
|------------|--|---|--|--------------------------|---|
| 4 | NOI and Site Notice File for Construction | Submitted NOIs are kept on file for large construction activity | 5 | NOIs in MS4 jurisdiction | No, but documentation will accommodate inspection procedure. |
| 5 | Subdivision Rules & Regulations Rewrite | Updating County Subdivision Rules and Regulations | Ongoing activity | Ongoing activity | No, but more restrictive drainage requirements for development will minimize illicit discharge. |
| 6 | County Operations Survey, and Selection and Implementation of Good Housekeeping BMPs | Conduct County facilities and operations surveys and using appropriate structural controls during in-house activities | Ongoing activities | Ongoing activities | No, but the surveys encourage minimal impacts on stormwater. Yes, good housekeeping BMPs help prevent storm water pollution. |
| 6 | Proper Waste Disposal | Each Precinct operates and maintains an annual waste disposal log | Ongoing activity (4 waste logs per year) | Waste Disposal Logs | Yes, disposing of trash/debris helps reduce pollutants in streams. |
| 6 | Employee Training | Staff conducts annual education | Ongoing activity (4 per year) | Seminars | No, but training employees will increase awareness |

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 | Distribution of Educational Materials | Met Goal: Fact sheets, brochures, bookmarks, etc was distributed throughout the permit year |
| 1 | Development of Educational Materials | Met Goal |
| 1 | Ellis County Lawn and Garden Expo | Met Goal: Storm water staff attended the event on Saturday, March 24 th , 2018 |
| 1 | Ellis County Website | Met Goal |
| 1 | Social Media | Did Not Meet Goal: A social media account was not created during this permit year |
| 1 | Public Comment | Partially Met Goal: Public comment was not received after posting the annual report on the website, but other public comment was common during the permit year due to record rainfall in Ellis County |
| 1 | Citizens Reports | Met Goal: All received citizen reports from the storm water email account were received and addressed |
| 2 | Outfall Map | Met Goal: There were not any updates to the map this permit year |
| 2 | Drainage System Monitoring | Met Goal: 20 outfalls were inspected this permit year |
| 2 | On-site Sewage Facilities | Met Goal: Ellis County requires permits for all new OSSF |

| MCM(s) | Measurable Goal(s) | Explain progress toward goal or how goal was achieved. If goal was not accomplished, please explain. |
|---------------|----------------------------|--|
| 2 | Illegal Dumping | Met Goal |
| 3 | NOI File for Construction | Met Goal |
| 3 | Voluntary Site Inspections | Exceeded Goal: Storm water staff conducted inspections at approximately 75% of construction activities. |
| 3 | Subdivision Regulations | Did Not Meet Goal: Current subdivision regulations do not include the SWMP measurable goal |
| 3 | Site Plan Review | Met Goal: All site plans, plats, and SWPPPs were reviewed prior to construction of new subdivisions |
| 3 | County Construction | Met Goal: There were not any County projects larger than 1 acre this permit term |
| 3 | Storm Water Staff Training | Exceeded Goal: two members of the storm water staff attended multiple conferences (TFMA, TCEQ, TACERA) for continuing education |
| 4 | Pervious Drainage Systems | Met Goal: All new subdivisions in Ellis County provided pervious drainage systems as well as velocity control structures at outfalls |
| 4 | Texas Smartscape Promotion | Met Goal: Texas Smartscape is promoted on the Operator's storm water web page |
| 4 | Subdivision Regulations | Exceeded Goal: updated and implemented subdivision regulations require downstream assessments as required by the Engineering Department |
| 4 | Operations and Maintenance | Met Goal: This goal was difficult to achieve this permit year due to record rainfall, but each Precinct maintained the pervious drainage systems to the maximum extent practicable |
| 5 | Employee Training | Did Not Meet Goal: New SWMP will include recommendations from TCEQ review |

| MCM(s) | Measurable Goal(s) | Explain progress toward goal or how goal was achieved. If goal was not accomplished, please explain. |
|---------------|----------------------------------|---|
| 5 | County Operations Survey | Partially Met Goal: Multiple surveys were completed but with very little documentation for report purposes |
| 5 | Good Housekeeping BMPs | Met Goal: New SWMP will include a pervious drainage system cleaning list for better documentation |
| 5 | Storm Water Facilities Inventory | Met Goal |

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.?

Road and Bridge Precinct staff conducts visual inspections throughout each respective jurisdiction daily. At least one formal visual inspection is conducted and documented by storm water staff at a minimum of 20 outfalls annually. These inspections are separate from random complaints and site visits that occur daily. Clogged driveway culverts, road crossing culverts, and other outfalls are cleaned as needed by Road and Bridge staff. Trash and debris are relocated to Precinct yards for proper disposal (TCEQ approved facilities). Sediment and silt that is removed from vegetative ditches are typically relocated to Precinct yards and stockpiled in a designated area for recycled use on other County projects. Waste disposal reports are logged annually by each Precinct for documentation. No illicit discharge was observed this permit term.

D. Impaired Waterbodies

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.

Not Applicable

1. 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.

Not Applicable

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

Not Applicable

3. 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 | | | |

4. 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 |
|--|---|--|--|
| 3-1: Public Education & Outreach | Ellis County Emergency Preparedness Fair | Update educational handout material | This will become a MCM for the new SWMP. |
| 3-1: Public Education & Outreach | R&B Precinct Open Meetings | Stormwater Presentation | Present an educational presentation and provide Q/A for attendees. Also a MCM for the new SWMP |

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) |
|--------|---------------------------------------|--|
| 5 | Contractor Requirements and Oversight | Added BMP following TCEQ review |
| | | |
| | | |

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.).

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 **Not Applicable**

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):

219 development permits were issued in the Operator's jurisdiction.

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): Todd Little Title: County Judge

Signature: _____ Date: _____

Name of MS4 Ellis County

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.