



## City of Rockwall

*The New Horizon*

February 5, 2016

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

Re: Phase II MS4 Year 2 Annual Report Transmittal for the City of Rockwall, TX  
TPDES Permit Number: TXR040278

Dear Team Leader:

This letter serves to transmit the Year 2 Annual Report for the Texas Pollutant Discharge Elimination System (TPDES) Small Municipal Separate Storm Sewer System (MS4) General Permit, Authorization Number TXR040278 for the City of Rockwall, Texas.

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 Ft. Worth, Texas.

Sincerely,

Timothy M. Tumulty, P.E.  
Public Works Director/City Engineer  
City of Rockwall

Attachments

Cc: TCEQ Ft. Worth Regional Office



## City of Rockwall

*The New Horizon*

February 5, 2016

Phase II MS4 Coordinator  
Region 4  
TCEQ  
2309 Gravel Dr.  
Ft. Worth, TX 76118-6951

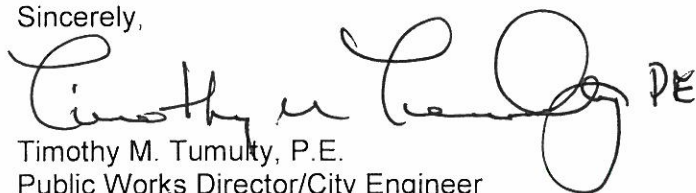
Re: Phase II MS4 Year 2 Annual Report- City of Rockwall (TX040278)

Dear Sirs:

Transmitted is a copy of the City of Rockwall's Phase II MS4 Annual Report. The original has been sent to the TCEQ Storm Water and Pretreatment Team in Austin.

If you have any questions or need additional information please call me at 972-771-7746.

Sincerely,



Timothy M. Tumulty, P.E.  
Public Works Director/City Engineer  
City of Rockwall

Attachments

## Phase II (Small) MS4 Annual Report Form

**TPDES General Permit Number TXR040000**

### A. General Information

Authorization Number: TXR040278 Annual Reporting Year: (calendar year, permit year, or fiscal year): Year 2 Last day of fiscal year, if applicable: \_\_\_\_\_

MS4 Operator Level: Level 2 Name of MS4/Permittee: City of Rockwall

Contact Name: Timothy M. Tumulty, P.E. Telephone Number: (972) 771-7746

Mailing Address: 385 S. Goliad St., Rockwall, TX 75087

E-mail Address: ttumulty@rockwall.com

### B. Narrative Provisions (Part IV Section B.2.(a))

Provide information on the status of complying with permit conditions: (Part V - Standard Permit Conditions):

|   | Yes                                 | No                       | Explain  |
|---|-------------------------------------|--------------------------|--|
| Permittee is currently in compliance with the SWMP as submitted to and approved by the TCEQ.  | <input checked="" type="checkbox"/> | <input type="checkbox"/> | We are currently following the permit.             |
| Permittee is currently in compliance with recordkeeping and reporting requirements.   | <input checked="" type="checkbox"/> | <input type="checkbox"/> | We are keeping records of the items in the permit. |
| Permittee meets the eligibility requirements of the permit (e.g., TMDL requirements, Edwards Aquifer limitations, compliance history, etc.) | <input checked="" type="checkbox"/> | <input type="checkbox"/> |  |

2. Provide a general assessment of the appropriateness of the selected BMPs. Use table below or attach a summary, as appropriate (See Example 1 in instructions):

| MCM(s)  | BMP                                 | BMP is appropriate for reducing the discharge of pollutants in stormwater (yes or no). Explain.  |
|---------|-------------------------------------|--|
| 2. IDDE | 2.9 Prevention of Illicit Discharge | Yes, Held Hazardous Waste Collection day, April 18th, 2015. Amount collected: household waste - 90,791 lbs, Electronics - 19,000 lbs, Shredding - 16,740 lbs, Batteries - 890 lbs. |

| <b>MCM(s)</b>                           | <b>BMP</b>  | <b>BMP is appropriate for reducing the discharge of pollutants in stormwater (yes or no). Explain.</b>   |
|---|---|--|
| 2. IDDE                                 | 2.7: Illicit Discharge/<br>Dumping Response Plan                            | Yes. Illicit discharges were reported by phone calls (3 phone calls received) and website (0 reports received) allowing response teams to respond before discharges affected wider area.         |
| 3. Construction Site Controls           | 3.7: Train field personnel that may come in contact with illicit discharges | Yes. Construction inspectors received Stormwater Pollution Prevention Practices during Construction training through NCTCOG, also received detecting illicit discharge field guides.             |
| 4. Post-Construction                    | 4.2: Final Inspection   | Yes. Construction inspectors respond to complaints regarding erosion issues that are not performing properly or not properly maintained.   |
| 5. Pollution Prevention & Good House... | 5.2: Municipal Employee Training  | Yes. Used training material developed by NCTCOG. 56 Employees received training of Video "Preventing Storm Water Pollution: What We Can Do."   |
| 3. Construction Site Controls           | 3.5: Construction Plan Review   | Yes, Providing construction plan review of erosion control measures ensure that adequate TCEQ storm water management measures are in place prior to the project being released for construction. |
|   |   |  |

3. Describe progress towards reducing the discharge of pollutants to the maximum extent practicable. Summarize any information used (such as monitoring data) to evaluate reductions in the discharge of pollutants. Use a table or attach a narrative description as appropriate:

| <b>MCM</b> | <b>BMP</b> | <b>Parameter</b>             | <b>Quantity</b> | <b>Units</b>   | <b>Does BMP Demonstrate a Direct Reduction in Pollutants? (Yes / No / Explain)</b> |
|------------|------------|------------------------------|-----------------|----------------|--|
| 1          | 1.2        | Education Campaigns          | 2               | # of Campaigns | Yes, indirect reduction by effecting public awareness                              |
| 1          | 1.9        | Storm Inlet Markers          | 409             | # of Markers   | Yes, indirect reduction by effecting public awareness                              |
| 2          | 2.7        | Reporting Illicit Discharges | 3               | # of Responses | Yes, reduces further illicit discharges/contamination.                             |
| 2          | 2.9        | Hazardous Waste Collection   | 127,421         | Lbs Collected  | Yes, it is a direct relation on how much waste collected                           |
|            |            |                              |                 |                |  |

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 2 in instructions):

| <b>MCM(s)</b> | <b>Measurable Goal(s)</b>  | <b>Success</b> |
|---------------|--|----------------|
| 1             | NCTCOG PETF: Conduct two Outreach Campaigns per year                       | Goal Met       |
| 1             | Texas SmartScape: Conduct Two Outreach Campaigns Per Year                  | Goal Met       |
| 1             | Inform City Council on storm water requirements and program                | Goal Met       |
| 1             | Conduct two Outreach Campaigns per year                                    | Goal Met       |
| 2             | Obtain GPS Coordinates of new outfalls.                                    | Goal Met       |
| 2             | Schedule and conduct the Hazardous Waste Day for Household hazardous waste | Goal Met       |
| 3             | Review iSWM for its applicability to City and Modify/discard sections      | Goal Met       |
| 3             | Engr. Dept. personnel, document employees and dates training was recieved  | Goal Met       |
| 4             | Provide 24hr ph. # & Illicit discharge reporting options in City website   | Goal Met       |
| 5             | Use training developed by NCTCOG for City Employee Training                | Goal Met       |

### **C. Stormwater Monitoring Data (Part IV Section B.2.(b))**

1. The MS4 has conducted monitoring of stormwater quality and submitted in the annual report (i.e. analytical and visual observations).

Yes  No

a. Explain below or attach a summary to submit along with any monitoring data used to evaluate the success of the SWMP at reducing pollutants to the maximum extent practicable. Be sure to include a discussion of results:

### D. Impaired Waterbodies (Part IV Section B.2.(c))

1. If applicable, explain below or attach a summary of 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:

N/A

2. Describe the implementation of targeted controls if the small MS4 discharges to an impaired water body with an approved TMDL (*Part II Section D.4.(a)*):

N/A

3. Report the benchmark identified by the MS4 and assessment activities (*Part II Section D.4.(a)(6)*):

| <b>Benchmark Parameter</b><br><i>(Ex: Total Suspended Solids)</i> | <b>Benchmark Value</b> | <b>Description of additional sampling or other assessment activities</b> | <b>Year(s) conducted</b> |
|---|------------------------|--|--------------------------|
| N/A   |                        |  |                          |
| N/A   |                        |  |                          |
| N/A   |                        |  |                          |

4. Provide an analysis of how the selected BMPs will be effective in contributing to achieving the benchmark (*Part II Section D.4.(a)(4)*):

| <b>Benchmark Parameter</b> | <b>Selected BMP</b> | <b>Contribution to achieving Benchmark</b> |
|----------------------------|---------------------|--|
| N/A                        |                     |  |
| N/A                        |                     |  |
| N/A                        |                     |  |
| N/A                        |                     |  |

5. If applicable, report on focused BMPs to address impairment (*Part II Section D.4.(a)(5)*):

| <b>Pollutant to Address</b><br><i>(Ex: Bacteria)</i> | <b>Description of Focused BMP</b> | <b>Comments/Discussion</b> |
|--|-----------------------------------|----------------------------|
| N/A  |                                   |                            |
| N/A  |                                   |                            |
| N/A  |                                   |                            |
| N/A  |                                   |                            |

6. Describe progress in achieving the benchmark (*Part II.D.4.(a)(6)*):

For example, the MS4 may use the following indicators:

- number of sources identified or eliminated;
- decrease in number of illegal dumping;
- increase in illegal dumping reporting;
- number of educational opportunities conducted;
- reductions in sanitary sewer flows (SSOs)
- increase in illegal discharge detection through dry screening

| <b>Benchmark Indicator</b> | <b>Description/Comments</b> |
|----------------------------|-----------------------------|
| N/A                        |                             |
| N/A                        |                             |
| N/A                        |                             |
| N/A                        |                             |
| N/A                        |                             |
| N/A                        |                             |

### **E. Stormwater Activities (Part IV Section B.2.(d))**

Describe any stormwater activities the MS4 operator has planned for the next reporting year. Use the table or attach a summary, as appropriate:

| <b>MCM(s)</b>                                  | <b>BMP</b>                                     | <b>Stormwater Activity</b>   | <b>Description/Comments</b>   |
|--|--|--|---|
| 2. Illicit Discharge Detection and Elimination | Industrial and Commercial Education            | Distribute Information once per year on storm water quality and SWMP info. | Information to distribute has been developed and is ready to be distributed the next year.  |
| 2. Illicit Discharge Detection and Elimination | 2.4: Illicit Discharge Ordinance               | Begin process of implementing the Illicit Discharge Ordinance              | TCEQ Model ordinance and other city ordinances have been reviewed and will be used as a starting point in developing the city's ordinance.                |
| 2. Illicit Discharge Detection and Elimination | 2.5: Detecting and Removing Illicit Discharges | Begin conducting visual inspection of new outfalls for illicit discharges  | Program will allow for a better understanding of where illicit discharges are actually taking place and will help determine source and responsible party. |



| <b>MCM(s)</b>                               | <b>BMP</b>                | <b>Stormwater Activity</b>  | <b>Description/Comments</b>  |
|---|---------------------------|---|--|
| 5: Pollution Prevention & Good Housekeeping | 5.3: Contractor Oversight | Identify possible pollutants contractors may contribute                   |  |
| 2: Illicit Discharge and Elimination        | 2.4: Drainage Ordinance   | Develop Ordinance to prohibit non-storm water discharges into storm sewer | TCEQ Model Ordinance will be used as a starting point to developing an ordinance |

## F. SWMP Modifications (Part IV Section B.2.(e))

1. 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:

| <b>MCM(s)</b> | <b>Measurable Goal(s) or BMP(s)</b> | <b>Implemented or Proposed Changes<br/>(Submit NOC as needed)</b> |
|---------------|-------------------------------------|---|
| N/A           |                                     |   |
| N/A           |                                     |   |
| N/A           |                                     |   |
| N/A           |                                     |   |
| N/A           |                                     |   |
| N/A           |                                     |   |

| MCM(s) | Measurable Goal(s) or BMP(s) | Implemented or Proposed Changes<br>(Submit NOC as needed) |
|--------|------------------------------|---|
| N/A    |                              |   |
| N/A    |                              |   |
| 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.

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

N/A

### G. Additional BMPs (Part IV Section B.2.(f))

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) |
|-----|-------------|---|--|
| N/A |             |   |  |
| N/A |             |   |  |
| N/A |             |   |  |
| N/A |             |   |  |

**H. Additional Information (Part IV Section B.2.(g))**

1. Is the permittee relying on another entity/ies to satisfy some of its permit obligations?

Yes  No

If "Yes," provide the name(s) of other entity/ies 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:

Name and Explanation:

2.a. Is the named permittee 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 permit numbers and permittee names (add additional spaces or pages if needed):

|                             |                  |
|-----------------------------|------------------|
| Authorization Number: _____ | Permittee: _____ |
| Authorization Number: _____ | Permittee: _____ |
| Authorization Number: _____ | Permittee: _____ |
| Authorization Number: _____ | Permittee: _____ |

**I. Construction Activities (Part IV Section B.2.(h-i))**

1. The number of construction projects in the jurisdiction of the MS4 where the permittee was not the construction site operator (as provided in submittals to the MS4 operator via notices of intent or site notices) 10 Construction Projects

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

Yes  No

2. b. 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

*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): Timothy M. Tumulty, P.E. Title: Director of Public Works/ City Engineer

Signature:  Date: 02/05/2016

Name (printed): \_\_\_\_\_ Title: \_\_\_\_\_

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Name (printed): \_\_\_\_\_ Title: \_\_\_\_\_

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Name (printed): \_\_\_\_\_ Title: \_\_\_\_\_

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Name (printed): \_\_\_\_\_ Title: \_\_\_\_\_

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

**Note:** 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).



City of Rockwall  
*The New Horizon*

March 2, 2016

Phase II MS4 Coordinator  
Region 4  
TCEQ  
2309 Gravel Dr.  
Ft. Worth, TX 76118-6951

Re: Phase II MS4 Year 2 Annual Report- City of Rockwall (TX040278) – Additional Information Request.

Dear Sirs:

Transmitted is a copy of the Response to the Email Subject: TXR020278 City of Rockwall annual report – additional information, needed dated Wednesday, February 24, 2016. This additional Information was requested by Ms. Elizabeth R. Dickinson with the TCEQ Storm Water and Pretreatment Team. Also attached is the original email.

If you have any questions or need additional information please call me at 972-771-7746.

Sincerely,

Timothy M. Tumulty, P.E.  
Public Works Director/City Engineer  
City of Rockwall

Attachments

Cc: MS4 File

## Tumulty, Tim

---

**From:** Elizabeth Dickinson <Elizabeth.Dickinson@Tceq.Texas.Gov>  
**Sent:** Wednesday, February 24, 2016 4:40 PM  
**To:** Tumulty, Tim  
**Subject:** TXR040278 City of Rockwall annual report - additional information needed  
**Attachments:** ms4\_annual\_report.docx

Good Afternoon Mr. Tumulty,

I am currently reviewing the annual report for the City of Rockwall MS4 (TXR040278). I am going to need some additional information before I can proceed:

1. There appear to be different BMPs listed on tables B.2 , B.3 and B.4. Each table should be populated with all BMPs that were active and/or implemented during the reporting period.

Please provide the requested information to me by COB March 9th, 2016.

Thank You,

**Elizabeth R. Dickinson**

Stormwater & Pretreatment Team

Water Quality Division

Texas Commission on Environmental Quality

[Elizabeth.Dickinson@tceq.texas.gov](mailto:Elizabeth.Dickinson@tceq.texas.gov)

Phone: (512) 239-4305

Fax: (512) 239-4430



## City of Rockwall

*The New Horizon*

March 2, 2016

Ms. Elizabeth R. Dickinson  
Texas Commission on Environmental Quality  
Storm Water and Pretreatment Team (MC-148)  
P.O. Box 13087  
Austin, Texas 78711-3087

Re: Response to Email Subject: TXR040278 City of Rockwall annual report – additional information needed, dated Wednesday, February 24, 2016.

Dear Ms. Dickinson:

This letter serves as the response to the Email Subject: TXR040278 City of Rockwall annual report –additional information needed, dated Wednesday, February 24, 2016. The following additional information was requested:

1. There appear to be different BMPs listed on tables B.2, B.3 and B.4. Each table should be populated with all BMPs that were active and/or implemented during the reporting period.

Please reference the requested attached Tables B.2, B.3 and B.4 below in this Letter. If you have any questions or need additional information, please advise.

Sincerely,

Timothy M. Tumulty, P.E.  
Director of Public Works/City Engineer

Attachments

Cc: TCEQ Ft. Worth Regional Office  
MS4 File



| MCM(s)   | BMP  | BMP is appropriate for reducing the discharge of pollutants in stormwater (yes or no). Explain.  |
|--|--|--|
| 1. Public Education, Outreach and Involvement  | 1.1 Public Notice Requirements                             | No, The Year 1 (2014) Annual Report was posted on the City Website.  |
| 1. Public Education, Outreach and Involvement  | 1.2 NCTCOG Public Education Task Force (PETF)              | Yes, indirect reduction by effecting public awareness.   |
| 1. Public Education, Outreach and Involvement  | 1.3 Texas SmartScape                                       | Yes, indirect reduction by effecting public awareness.   |
| 1. Public Education, Outreach and Involvement  | 1.4 Industrial and Commercial Education                    | Yes, indirect reduction by effecting industrial and commercial businesses awareness of pollutants.   |
| 1. Public Education, Outreach and Involvement  | 1.5 Construction/Post-Construction Handout                 | Yes, Contractor were made aware to reduce erosion and sediment in the "Construction Notes" handout.  |
| 1. Public Education, Outreach and Involvement  | 1.6 City Storm Water Webpage via NCTCOG                    | Yes, indirect reduction by effecting public awareness. 537 website session hits occurred.  |
| 1. Public Education, Outreach and Involvement  | 1.7 Education for Elected Officials                        | Yes, indirect reduction by effecting public awareness. Powerpoint presentation given to City Council updating SWMP.  |
| 1. Public Education, Outreach and Involvement  | 1.8 Municipal Employee Training                            | Yes, Used training material developed by NCTCOG. 56 employees received training of Video "Preventing Storm Water Pollution: What Can We Do."   |
| 1. Public Education, Outreach and Involvement  | 1.9 Storm Inlet Markers                                    | Yes, Installing of 409 inlet markers made the public aware of not to have an illicit discharge in the storm sewer system.  |
| 1. Public Education, Outreach and Involvement  | 1.10 Illicit Discharge                                     | Yes, Tracking Tips allows for quicker response to spills that result in less contamination in the storm sewer system.  |
| 2. Illicit Discharge Detection and Elimination | 2.1 Storm Sewer Map  | Yes, Indirect in that City Employees are aware of all locations that illicit Discharges could be found.  |
| 2. Illicit Discharge Detection and Elimination | 2.2 Municipal Employee Training (Field Staff)              | Yes, Constuction inspectors received Stormwater Pollution Prevention Practices during Construction Training through NCTCOG, also received Detecting Illicit Discharges Field Guides. |
| 2. Illicit Discharge Detection and Elimination | 2.3 Industrial/ Commercial Storm Water Quality Information | Yes, indirect reduction by effecting industrial and commercial businesses awareness of pollutants.   |

| MCM(s)   | BMP   | BMP is appropriate for reducing the discharge of pollutants in stormwater (yes or no). Explain.  |
|--|---|--|
| 2. Illicit Discharge Detection and Elimination | 2.4 Illicit Discharge Ordinance                         | Yes, lets the City aware of what ordinances are already in place to control Illicit Discharges and what changes need to be made to reduce discharges.  |
| 2. Illicit Discharge Detection and Elimination | 2.5 Detecting and Removing Illicit Discharges           | Yes, lets the City analysis and refine existing programs that will better identify locations where discharges are occurring and remediation efforts.   |
| 2. Illicit Discharge Detection and Elimination | 2.6 Identify Allowable Non-storm Water Discharges       | Yes, Allows for discharges that will not affect the Cities Storm Sewer System.   |
| 2. Illicit Discharge Detection and Elimination | 2.7 Illicit Discharge/Dumping Response Plan             | Yes, Illicit discharges where reported by phone calls (3 phone calls received) and website (0 reports received) allowing response teams to respond before discharges effect wider area.        |
| 2. Illicit Discharge Detection and Elimination | 2.8 On-Site Sewage Disposal Systems                     | Yes, The County oversees septic systems, since the County has a program in place then it is helping to reduce pollutants.  |
| 2. Illicit Discharge Detection and Elimination | 2.9 Prevention of Illicit Discharges                    | Yes, the City held Hazardous Waste Collection day, April 18th, 2015. Amount collected: Household waste - 90,791 lbs., Electronics - 19,000 lbs., Shredding - 16,740 lbs., Batteries - 890 lbs. |
| 3. Construction Site Stormwater Runoff Control | 3.1 NCTCOG iSWM Design Manual                           | Yes, gives the City a chance to implement any additional stormwater controls that will reduce Construction Site Illicit Discharges.  |
| 3. Construction Site Stormwater Runoff Control | 3.2 Implement Design and Control Standards              | Yes, Pre-Construction Meetings are held that provide the design guidelines to contractors  |
| 3. Construction Site Stormwater Runoff Control | 3.3 Implement Requirements Imposed by Code of Ordinance | Yes, it implements the requirements that allows for proper O&M during life of construction project.  |
| 3. Construction Site Stormwater Runoff Control | 3.4 Illicit Discharge/Dumping Response Plan             | Yes, Illicit discharges where reported by phone calls (3 phone calls received) and website (o reports received) allowing response teams to respond before discharges effect wider area.        |
| 3. Construction Site Stormwater Runoff Control | 3.5 Construction Plans Review                           | Yes, Providing Construction Plan review of erosion control measures ensure that aquate TCEQ storm water management measures are in place prior to the project being released for construction. |

| <b>MCM(s)</b>   | <b>BMP</b>  | <b>BMP is appropriate for reducing the discharge of pollutants in stormwater (yes or no). Explain.</b>  |
|---|---|---|
| 3. Construction Site Stormwater Runoff Control                                  | 3.6 Construction/Post-Construction Handout          | Yes, Handouts are passed out to Contractors that make the aware of stormwater permit requirements.  |
| 3. Construction Site Stormwater Runoff Control                                  | 3.7 Municipal Employee Training (Field Staff)       | Yes, Construction inspectors received Stormwater Pollution Prevention Practices during Construction Training through NCTCOG, also received Detecting Illicit Discharges Field Guides.   |
| 4. Post-Construction Stormwater Management in New development and Redevelopment | 4.1 NCTCOG iSWM Design Manual                       | Yes, gives the City a chance to implement any additional stormwater controls that will reduce Construction Site Illicit Discharges.   |
| 4. Post-Construction Stormwater Management in New development and Redevelopment | 4.2 Final Inspection                                | Yes, Construction inspectors respond to complaints regarding erosion issues that are not performing properly or not properly maintained.  |
| 4. Post-Construction Stormwater Management in New development and Redevelopment | 4.3 Illicit Discharge/Dumping Response Plan         | Yes, Illicit discharges where reported by phone calls (3 phone calls received) and website (o reports received) allowing response teams to respond before discharges effect wider area. |
| 4. Post-Construction Stormwater Management in New development and Redevelopment | 4.4 Construction/Post-Construction Handout          | Yes, Handouts are passed out to Contractors that make the aware of stormwater permit requirements.  |
| 5. Pollution Prevention and Good Housekeeping for Municipal Operations          | BMP 5.1 City Owned Facilities and Control Inventory | Yes, allows for tracking of City facilities to determine locations of where illicit discharges can occur.   |
| 5. Pollution Prevention and Good Housekeeping for Municipal Operations          | BMP 5.2 Municipal Employee Training                 | Yes, Used training material developed by NCTCOG. 56 employees received training of Video "Preventing Storm Water Pollution: What Can We Do."  |

| <b>MCM(s)</b>  | <b>BMP</b>  | <b>BMP is appropriate for reducing the discharge of pollutants in stormwater (yes or no). Explain.</b>                           |
|--|---|--|
| 5. Pollution Prevention and Good Housekeeping for Municipal Operations | BMP 5.3 Contractor Oversight  | Yes, Ensures that storm water control measures are to be followed by contractors used by the City.                               |
| 5. Pollution Prevention and Good Housekeeping for Municipal Operations | BMP 5.4 Pollution Prevention Plan and O&M (Operation and Maintenance) | Yes, identifies the O&M that is occurring and what illicit discharges can occur and what measures can be take to eliminate.      |
| 5. Pollution Prevention and Good Housekeeping for Municipal Operations | BMP 5.5 Storm Water System Maintenance Plan                           | Yes, identifies sensitive areas that accumulated waste and to help set procedures for removing.                                  |
| 5. Pollution Prevention and Good Housekeeping for Municipal Operations | BMP 5.6 Municipal Waste Disposal Procedures                           | Yes, it identifies the municipal operations that generates waste and evaluate its procedures to see if anything needs to change. |

| MCM | BMP  | Parameter  | Quantity | Units  | Does BMP Demonstrate a Direct Reduction in Pollutants? (Yes/No/Explain)   |
|-----|------|--|----------|--|---|
| 1   | 1.1  | Public Notice  | 1        | Posted Annual Report   | Yes, by effecting public awareness.   |
| 1   | 1.2  | Education Campaigns                                    | 2        | # of Campaigns   | Yes, by effecting public awareness.   |
| 1   | 1.3  | Texas SmartScape Flyers                                | 250      | # of flyers  | Yes, by effecting public awareness.   |
| 1   | 1.4  | Distribute Educational Flyer                           | 7        | # of flyers  | Yes, by effecting awareness of commercial and industrial businesses.  |
| 1   | 1.5  | Construction Notes Handouts Distributed                | 18       | # of Handouts  | Yes, by effecting awareness of contractors working in the City.   |
| 1   | 1.6  | City Storm Water Webpage via NCTCOG                    | 537      | # of Website sessions  | Yes, by effecting public awareness.   |
| 1   | 1.7  | Education for Public Officials                         | 1        | # of Campaigns   | Yes, powerpoint presentation given to Council educates them on the permitting.  |
| 1   | 1.8  | Municipal Employee Training                            | 56       | # of Employees Trained   | Yes, by making employees aware of illicit discharges.   |
| 1   | 1.9  | Storm Inlet Markers                                    | 409      | # of Markers   | Yes, by effecting public awareness.   |
| 1   | 1.10 | Illicit Discharge                                      | 0        | # of Phone Calls Received  | No, Since zero (0) phone calls were received.   |
| 2   | 2.1  | Storm Sewer Map Outfalls                               | 23       | # of Outfalls added to map                                       | Yes, awareness of number of outfalls in the City.   |
| 2   | 2.2  | Municipal Employee Training (Field Staff)              | 2        | # of Field Staff Trained   | Yes, awareness to City Field Staff of Illicit Discharges  |
| 2   | 2.3  | Industrial/ Commercial Storm Water Quality Information | 7        | # of flyers  | Yes, by effecting awareness of commercial and industrial businesses.  |
| 2   | 2.4  | Illicit Discharge Ordinance                            | 0        | # of exist. Ordinances   | No, since zero (0) ordinances on record then even more reason to implement ordinance in the upcoming permit years.  |
| 2   | 2.5  | Detecting and Removing Illicit Discharges              | 1        | Exist written program in place                                   | Yes, this written procedure help reduce the spread on contaminated area.  |
| 2   | 2.6  | Identify Allowable Non-storm Water Discharges          | 0        | # Exist allowable non-storm water discharges found in ordinances | No, since zero (0) there is no direct determination on whether illicit discharges were reduced. Future establishments of Non-storm water discharges within the ordinance will clarify the amount of reduction achieved. |
| 2   | 2.7  | Reporting Illicit Discharges                           | 3        | # of Reports   | Yes, Reduces further illicit discharges/contamination   |

| MCM | BMP | Parameter   | Quantity | Units                               | Does BMP Demonstrate a Direct Reduction in Pollutants? (Yes/No/Explain)  |
|-----|-----|---|----------|-------------------------------------|--|
| 2   | 2.8 | On-Site Sewage Disposal Systems                     | 0        | # of septic system City oversees    | No, The County oversees septic systems not the City, so no observation of illicit discharges are reported to the City.                                 |
| 2   | 2.9 | Hazardous Waste Collection                          | 127,421  | lbs.                                | Yes, it is a direct relation on how much waste that was collected  |
| 3   | 3.1 | NCTCOG iSWM Design Manual                           | 1        | # iSWMM Sections being implemented  | Yes, The implementation of the Erosion Construction Site Control Section is directly reducing erosion pollutants into the system.                      |
| 3   | 3.2 | Implement Design and Control Standards              | 18       | # of Pre-construction meetings held | Yes, direct relation in the amount of projects where construction erosion controls were made aware of up front before land was disturbed.              |
| 3   | 3.3 | Implement Requirements Imposed by Code of Ordinance | 18       | # of Pre-construction meetings held | Yes, direct relation in the amount of projects where waste management in construction erosion controls were made aware of up front before work begins. |
| 3   | 3.4 | Reporting Illicit Discharges                        | 3        | # of Reports                        | Yes, Reduces further illicit discharges/contamination  |
| 3   | 3.5 | Construction Plans Review                           | 18       | # of projects review                | Yes, projects reviewed to make sure compliance with SWPPP, and NOI and City Erosion Control Policies.  |
| 3   | 3.6 | Construction Notes Handouts Distributed             | 18       | # of Handouts                       | Yes, by effecting awareness of contractors working in the City.  |
| 3   | 3.7 | Municipal Employee Training (Field Staff)           | 2        | # of Field Staff Trained            | Yes, awareness to City Field Staff of Illicit Discharges   |
| 4   | 4.1 | NCTCOG iSWM Design Manual                           | 1        | # iSWMM Sections being implemented  | Yes, The implementation of the Erosion Construction Site Control Section is directly reducing erosion pollutants into the MS4.                         |
| 4   | 4.2 | Final Inspection                                    | 25       | # of Final Inspections              | Yes, direct relation to the amount of project which were stabilized to prevent future erosion.   |
| 4   | 4.3 | Reporting Illicit Discharges                        | 3        | # of Reports                        | Yes, Reduces further illicit discharges/contamination  |
| 4   | 4.4 | Construction Notes Handouts Distributed             | 18       | # of Handouts                       | Yes, by effecting awareness of contractors working in the City.  |
| 5   | 5.1 | City Owned Facilities and Control Inventory         | 61       | # of Facilities inventoried         | Yes, awareness of facilities that can cause pollutants to the MS4.   |
| 5   | 5.2 | Municipal Employee Training                         | 56       | # of Employees Trained              | Yes, by making employees aware of illicit discharges.  |
| 5   | 5.3 | Contractor Oversight                                | 7        | # of Contractors                    | Yes, by making city aware of number of contractors overseeing.   |

| MCM | BMP | Parameter                           | Quantity | Units   | Does BMP Demonstrate a Direct Reduction in Pollutants? (Yes/No/Explain)   |
|-----|-----|-------------------------------------|----------|---|---|
| 5   | 5.4 | Pollution Prevention Plan and O&M   | 2        | Type of O&M Projects that may require SWPPP       | Yes, Awareness of large scale Paving and Utility projects that may need SWPPP.  |
| 5   | 5.5 | Storm Water System Maintenance Plan | 0        | Inspection Process developed for sensitive areas. | No, currently in still in the implementation phase of this BMP and will continue developing in the upcoming permit years. |
| 5   | 5.6 | Storm Water System Maintenance Plan | 0        | Waste disposal procedures and training developed  | No, currently in still in the implementation phase of this BMP and will continue developing in the upcoming permit years. |



| MCM(s) | Measurable Goal(s)  | Success  |
|--------|---|--|
| 1.1    | Post TCEQ approved SWMP and Annual Reports on City website.   | Goal Met   |
| 1.2    | Conduct two outreach campaigns per year. Distribute information, track and document the campaign efforts.   | Goal Met   |
| 1.3    | Conduct two outreach campaigns per year. Distribute information, track and document the campaign efforts. Promote the SmartScape website by providing a link on the City website. As needed, modify the current landscape ordinance for commercial projects to utilize native or adaptive plants.   | Goal Met   |
| 1.4    | Develop an outline of the information to be communicated for a 5 year period.   | Goal Met   |
| 1.5    | Update Construction Notes document as needed and distribute in pre-construction meetings. Provide a link for the Construction Notes on the City's website.  | Goal Met   |
| 1.6    | Utilize NCTCOG tracking of hits as a method to track the number of hits. Participate in the update of the NCTCOG Storm Water website, as appropriate.   | Goal Met   |
| 1.7    | Complete one campaign per year for training of City Council on storm water requirements and program.  | Goal Met   |
| 1.8    | Existing plan includes the DVDs: "Fleet Maintenance and Materials Handling"; Series: "Preventing Storm Water Pollution- What can we do?". Evaluate NCTCOG training materials and modify as needed. Document employees and dates in which training was received. Develop an outline of the information to be communicated for a 5 year period. Provide educational materials on the City's intranet. Present the SWMP to new employees during orientation. | Goal Met   |
| 1.9    | Develop a storm inlet marking program. Distribute inlets and track markers installed according to developed program.  | Goal Met   |
| 1.10   | Track number of tips received from website. Develop program to track phone calls received regarding IDDE. Track phone calls received.   | Goal Met   |
| 2.1    | Obtain GPS coordinates of new outfalls. Continue the existing program of completing mapping changes when as-built plans are received at completion of development or CIP projects.  | Goal Met   |
| 2.2    | Document employees and dates in which training was received. Develop an outline of the information to be communicated for a 5 year period.  | Goal Met   |
| 2.3    | Develop an outline of the information to be communicated for a 5 year period. Distribute information to industrial/ commercial businesses once per year.  | Goal Met   |
| 2.4    | Identify existing City ordinances relating to illicit discharges and revise content as appropriate.   | Goal Met   |
| 2.5    | Evaluate the existing program and identify techniques to detect and address illicit discharges, non-storm water discharges and illegal dumping. Make program changes as needed.   | Goal Met   |
| 2.6    | Reviewed the impact of the current allowable non-storm water discharges in the general permit and determine if revisions were needed.   | Goal Met   |
| 2.7    | Provide 24 hour phone numbers and illicit discharge reporting options on the City website. Track phone calls and reports sent in from website. Implement the Illicit Discharge/Dumping Response Plan.   | Goal Met   |
| 2.8    | Implement the prevention and correction plan.   | Goal Not Met, the County oversees septic systems not the City, so no observation of illicit discharges are reported to the City. |



| MCM(s) | Measurable Goal(s)  | Success  |
|--------|---|----------|
| 2.9    | Schedule and conduct the Hazardous Waste Day for the collection of household hazardous waste once a year. Collect recyclable materials (newspaper, magazines and clear plastic bottles) weekly and transport to a material recovery facility. Provide a monthly curb-side pickup for bulk items such as tree limbs and leaves. Grass clippings are picked up with the regular trash, twice a week.  | Goal Met |
| 3.1    | Review performance of existing adopted portions of iSWM for its applicability to the City. Modify or discard those portions that do not apply.  | Goal Met |
| 3.2    | Conduct pre-construction meetings for proposed new construction projects to provide design compliance guidelines to contractors. Conduct inspections and follow-up on complaints on construction sites. Follow up by providing recommendations on modifications/improvement of contractor's BMPs and O&M practices.   | Goal Met |
| 3.3    | Conduct pre-construction meetings for proposed new construction projects to provide compliance guidelines to contractors for the management of waste. Conduct inspections and follow-up on complaints on construction sites. Follow up by providing recommendations on modifications/improvement of contractor's BMPs and O&M practices.  | Goal Met |
| 3.4    | Provide 24 hour phone numbers and illicit discharge reporting options on the City website. Track phone calls and reports sent in from website. Implement the Illicit Discharge/Dumping Response Plan.   | Goal Met |
| 3.5    | Implement procedures to track the received SWPPPs, NOIs and City erosion policies prior to releasing plans for construction.  | Goal Met |
| 3.6    | As needed, update Construction Notes document and distribute in pre-construction meetings. Provide a link for the Construction Notes on the City's website.   | Goal Met |
| 3.7    | Document employees and dates in which training was received. Develop an outline of the information to be communicated for a 5 year period.  | Goal Met |
| 4.1    | Review performance of existing adopted portions of iSWM for its applicability to the City. Modify or discard those portions that do not apply.  | Goal Met |
| 4.2    | Conduct field inspections for completed construction sites to verify compliance to plans and specifications, including site stabilization. Issue "Letters of Acceptance" for those sites that comply with plans and specifications (including site stabilization). Follow up with the contractors about complaints and observations in the field to insure long term O&M.   | Goal Met |
| 4.3    | Provide 24 hour phone numbers and illicit discharge reporting options on the City website. Track phone calls and reports sent in from website. Implement the Illicit Discharge/Dumping Response Plan.   | Goal Met |
| 4.4    | As needed, update Construction Notes document and distribute in pre-construction meetings. Provide a link for the Construction Notes on the City's website.   | Goal Met |
| 5.1    | Develop an inventory of City owned and operated facilities.   | Goal Met |
| 5.2    | Existing plan includes the DVDs: "Fleet Maintenance and Materials Handling"; Series: "Preventing Storm Water Pollution- What can we do?". Evaluate NCTCOG training materials and modify as needed. Document employees and dates in which training was received. Develop an outline of the information to be communicated for a 5 year period. Provide educational materials on the City's intranet. Present the SWMP to new employees during orientation. | Goal Met |
| 5.3    | Develop a list of contractors the City uses through all departments.  | Goal Met |
| 5.4    | Identify municipal operations that may require a storm water pollution prevention plan.   | Goal Met |

| MCM(s) | Measurable Goal(s)   | Success   |
|--------|--|---|
| 5.5    | Conduct an inspection process to identify sensitive areas for waste accumulation. Identify responsible party for the accumulation of material. Enforce cleaning by responsible party. City to keep City facilities clean and property owner to keep private property facilities clean. | Goal Not Met, currently in still in the implementation phase of this BMP and will continue developing in the upcoming permit years. |
| 5.6    | Develop and document waste disposal procedures and training of municipal employees. Implement waste disposal procedures.   | Goal Not Met, currently in still in the implementation phase of this BMP and will continue developing in the upcoming permit years. |