



December 28, 2017

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 City of Spring Valley Village
TPDES Authorization: TXR040218

Dear Team Leader:

This letter serves to transmit the required annual report for the Texas Pollutant Discharge Elimination System Small Municipal Separate Sewer System General Permit, Authorization Number TXR040218 for the City of Spring Valley Village.

The annual report is for Year 3. The reporting period beginning October 1, 2016 and ending September 30, 2017.

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

As required by the general permit, a copy of the report has been sent to the TCEQ's regional office 12 in Houston, Texas.

Sincerely,

ARKK ENGINEERS, LLC

A handwritten signature in blue ink, appearing to read 'D. Bradford', is written over the printed name.

Douglas Bradford, P.E.
Project Manager

Cc: Ms. Julie Robinson, City Administrator – City of Spring Valley Village
Mr. Oscar Arevalo, Building Official – City of Spring Valley Village
TCEQ Water Quality Department - 5425 Polk Street, Ste. H, Houston, TX 77023

Phase II (Small) MS4 Annual Report Form

TPDES General Permit Number TXR040000

A. General Information

Authorization Number: TXR040218

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

Annual Reporting Year Option Selected by MS4:

Calendar Year _____

Permit Year _____

Fiscal Year: X Last day of fiscal year: September 30

Reporting period beginning date: (month/date/year) October 1, 2016

Reporting period end date (month/date/year) September 30, 2017

MS4 Operator Level: 1 Name of MS4: City of Spring Valley Village MS4

Contact Name: Ms. Julie Robinson Telephone Number: (713) 465-8308

Mailing Address: 1025 Campbell Road, Spring Valley Village, TX 77055

E-mail Address: jrobinson@springvalleytx.com

A copy of the annual report was submitted to the TCEQ Region YES X NO _____
Region the annual report was submitted. TCEQ Region 12

B. Status of Compliance with the MS4 GP and SWMP

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

	Yes	No	Explain
Permittee is currently in compliance with the SWMP as submitted to and approved by the TCEQ.	X		
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		
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2. Provide a general assessment of the appropriateness of the selected BMPs. You may use the table below (**See Example 1 in instructions**):

MCM(s)	BMP	BMP is appropriate for reducing the discharge of pollutants in stormwater (Answer Yes or No, and explain.)
1. Public Education & Outreach	Clean Water Clear Choice	Yes, City is participating in the Clean Water Clear Choice & HCPID's multi-media outreach programs.
1. Public Education & Outreach	Utilize Municipal Website for Public Education & Outreach	Yes, City has included storm water quality information and links on the City website.
1. Public Education & Outreach	Storm Water Inlet Marking	Yes, all storm water inlets within the City have markers placed stating "No Dumping, Flows to Galveston Bay."
2. Illicit Discharge Detection & Elimination	Review & Update MS4 Map	Yes, City is updating the storm sewer maps with locations of outfalls in the City. There have been recent Capital Improvements Projects by the City involving new storm sewer construction, which will be reflected in the City's revised MS4 Map for the next permit year.
2. Illicit Discharge Detection & Elimination	City Staff Education & Training	Yes, new City staff is completing training as part of the new-hire process.
2. Illicit Discharge Detection & Elimination	Public Reporting of Illicit Discharges & Spills	Yes, City is continuing to monitor and respond to public illicit discharge reports and is taking appropriate action to eliminate illicit discharges into the MS4.
2. Illicit Discharge Detection & Elimination	Procedures for Tracing and Removing the Source of the Illicit Discharge	Yes, City is implementing procedures for tracing and removing storm water pollution sources.

MCM(s)	BMP	BMP is appropriate for reducing the discharge of pollutants in stormwater (Answer Yes or No, and explain.)
3. Construction Site Storm Water Runoff Control	Construction Site SWPPP	Yes, City is continuing to require Contractors to obtain a General Permit. Construction plans are reviewed to identify site control measures.
3. Construction Site Storm Water Runoff Control	Construction Site Inspections	Yes, City is continuing to monitor construction activities.
4. Post Construction Storm Water Management in New Development and Redevelopment	Evaluate and Update Regulatory Authority and Procedures	Yes, City has an ordinance and regulatory mechanisms requiring erosion and sediment controls at construction sites.
5. Pollution Prevention and Good Housekeeping for Municipal Operations	Municipal Operation and Maintenance Program	Yes, City continues to maintain an inventory, has developed a training and education program, has developed Contractor requirements, and continues to follow the activities stated in the Storm Water Management Plan.
5. Pollution Prevention and Good Housekeeping for Municipal Operations	Provide Spill Response Kits and Training	Yes, through an Interlocal Agreement, the City provides annual funding to the Village Fire Department that is used in part to fund spill response kits and training for the Department.
5. Pollution Prevention and Good Housekeeping for Municipal Operations	Hazardous Waste Collection	Yes, City continues to collect hazardous waste material as needed from municipal activities.

MCM(s)	BMP	BMP is appropriate for reducing the discharge of pollutants in stormwater (Answer Yes or No, and explain.)
5. Pollution Prevention and Good Housekeeping for Municipal Operations	Operation and Maintenance of Storm Sewer	Yes, City continues to evaluate and correct deficiencies when found in the storm sewer system.

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 (**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.)

The BMPs for Public Education & Outreach are provided to educate the public on the causes of storm water pollution. They also allow the public to interact with the City and report any issues that may cause storm water pollution. Storm water inlet markers placed within the City remind citizens to not dump pollutants into storm sewers. The activities associated with Illicit Discharge Detection have been performed and all storm sewer inlets and outfalls have been located. At this time, no illicit discharges were detected. The City will be updating the MS4 Map during Permit Year 4 to reflect new storm sewers that have been installed as part of the City's Capital Improvements Program. The City had also implemented a response program for any reports on storm water pollution at construction sites and will identifying any necessary changes to City Ordinances. Construction plans are

reviewed to ensure that the maximum precautions are taken to reduce the discharge of pollutants from construction sites. City Staff, including the Fire and Police Departments have been maintaining and improving day to day municipal operations.

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. Public Education & Outreach	Continue participating in Clean Water Clear Choice program and provide public education materials	Met Goal
1. Public Education & Outreach	Continue utilizing municipal website and coordination with the residents.	Met Goal
2. Illicit Discharge Detection & Elimination	Review and update City's storm sewer system map.	The City has performed storm sewer improvements as part of the Capital Improvements Program over recent years. The City's current MS4 map does not reflect some of these improvements, and will be updated during Permit Year 4.
3. Construction Site Storm Water Runoff Control	Continue to require contractors obtain a Construction General Permit and implement site control measures.	Met Goal
3. Construction Site Storm Water Runoff Control	Monitor and enforce pollution controls at all construction sites.	Met Goal
5. Pollution Prevention and Good Housekeeping	Collected all trash at City parks, maintained trash receptacles at	Met Goal

MCM(s)	Measurable Goal(s)	Explain progress toward goal or how goal was achieved If goal was not accomplished please explain
for Municipal Operations	parks, disposed of trash properly, and evaluated collection policy.	
5. Pollution Prevention and Good Housekeeping for Municipal Operations	Continue to inspect and maintain City's storm sewer system.	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.? (Refer to the MS4 General Permit TXR040000 Part IV Section B.2.(b))

The City of Spring Valley has conducted visual inspections to ensure that no illicit discharges are taking place. The City continues to clean inlets and streets as necessary as part of their general maintenance program, but the City has not taken any samples to determine the stormwater quality.

D. Impaired Waterbodies

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: (Refer to MS4 General Permit TXR040000 Part IV Section B.2.(c))

The body of water that directly receives storm water from the City of Spring Valley Village outfalls is Spring Branch Creek (TX-1014-O), which is classified as an impaired body of water per the 2014 Texas Integrated Report. The identified impairment for Spring Branch Creek is bacteria (Category 4a).

The City of Spring Valley Village currently does not take any water quality samples along Spring Branch within the City limits. However, the City has implemented

selected BMP's recommended in the "Implementation Plan for Seventy-Two Total Maximum Daily Loads for Bacteria in the Houston-Galveston Region" (approved by the TCEQ on January 30, 2013), such as inspecting, maintaining and improving the City's sanitary sewer system to reduce blockages and prevent overflows, on-going monitoring of construction activities to detect and eliminate illicit discharges, and educating the public through the Clean Water Clear Choice program. The City also installed four (4) dog waste pick-up stations during Permit Year 2 at various locations within the City to help minimize bacteria sources from pet waste. The City continues to maintain these dog waste pick-up stations.

- Describe the implementation of targeted controls if the small MS4 discharges to an impaired water body with an approved TMDL (Refer to the MS4 General permit TXR040000; Part II Section D.4.(a)):

Targeted controls include implementing selected BMP's identified in the TCEQ approved I-Plan for the Houston-Galveston region to help reduce the level of bacteria in stormwater discharges to Spring Branch.

- Report the benchmark identified by the MS4 and assessment activities (Refer to the MS4 General permit TXR040000; Part II Section D.4.(a)(6)):

Benchmark Parameter <i>(Ex: Total Suspended Solids)</i>	Benchmark Value	Description of additional sampling or other assessment activities	Year(s) conducted
Bacteria	209.26 Billion MPN/day	N/A	

- Provide an analysis of how the selected BMPs will be effective in contributing to achieving the benchmark (Refer to the MS4 General permit TXR040000; Part II Section D.4.(a)(4)):

Benchmark Parameter	Selected BMP	Contribution to achieving Benchmark
Bacteria	Sanitary Sewer Systems	Continue to perform repairs, maintenance, and replacement of City's sanitary sewer system to prevent sanitary sewer overflows

Benchmark Parameter	Selected BMP	Contribution to achieving Benchmark
Bacteria	On-site Sewage Facilities	There are currently no on-site sewage facilities and septic systems within the City limits
Bacteria	Illicit Discharges and Dumping	Continue to monitor and inspect grease traps on a monthly basis; and on-going monitoring of construction activities to eliminate illicit discharges to the receiving stormwater system
Bacteria	Animal Sources	City is continuing to maintain the 4 dog waste pick-up stations throughout the City to help reduce bacteria sources from pet waste.
Bacteria	Residential Education	Continue to participate in Clean Water Clear Choice program which provides educational material to the public to promote awareness of pollutants entering the State's waterways

5. If applicable, report on focused BMPs to address impairment for bacteria (Refer to the MS4 General Permit TXR040000; Part II Section D.4.(a)(5)):

Description of bacteria-focused BMP	Comments/Discussion
See table above in Section 4.	

6. Assess the progress to determine BMP's effectiveness in achieving the benchmark (Refer to the MS4 General Permit TXR040000; Part II.D.4.(a)(6)):

For example, the MS4 may use the following benchmark 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

Benchmark Indicator	Description/Comments
Sanitary Sewer Overflows (SSOs)	There were zero SSOs during the past reporting period.

E. Stormwater Activities

Describe stormwater activities the MS4 operator plans to undertake during the next reporting year. You may use the table below (Refer to the MS4 General Permit TXR040000 Part IV Section B.2.(d)):

MCM(s)	BMP	Stormwater Activity	Description/Comments
1. Public Educations, Outreach and Involvement	Clean Water Choice	Participate in the Clean Water Choice program and pay appropriate dues.	City plans to continue participating in the Clean Water Choice program.
1. Public Educations, Outreach and Involvement	Clean Water Choice	Participate in the HCPID's multi-media outreach program.	City plans to continue participating in HCPID's multi-media outreach program, which is part of Clean Water Clear Choice.
1. Public Educations, Outreach and Involvement	Utilize Municipal Website for Public Education and Outreach	Monitor and update annually.	City will monitor and update website annually.
1. Public Educations,	Storm Water Inlet Marking	Continue marking inlets as needed and	City will continue to install and maintain inlet markers as needed.

MCM(s)	BMP	Stormwater Activity	Description/Comments
Outreach and Involvement		maintaining markers.	
2. Illicit Discharge Detection and Elimination	Review and Update MS4 Map	Update storm sewer system records.	City will be preparing an updated MS4 Map to reflect new storm sewer improvements performed within the City.
2. Illicit Discharge Detection and Elimination	City Staff Education and Training	New staff shall complete training as part of the new-hire process.	All new staff hired in Year 4 will be required to complete additional training.
2. Illicit Discharge Detection and Elimination	Public Reporting of Illicit Discharges and Spills.	Monitor and respond the public illicit discharge reports. Take appropriate action to eliminate illicit discharges into the MS4.	City will continue to monitor and respond to public illicit discharge reports.
2. Illicit Discharge Detection and Elimination	Procedures for Tracing and Removing the Source of Illicit Discharges	Implement updated procedures for tracing and removing of storm water pollution sources.	The City will review its procedures and implement updated procedures as needed.
3. Construction Site Storm Water Runoff Control	Construction Site SWPPP	Continue reviewing construction plans and requiring a General Permit.	City will continue reviewing construction plans and requiring a General Permit.
3. Construction Site Storm Water Runoff Control	Construction Site Inspections	Continue monitoring construction activities and updating existing programs as required.	City will continue monitoring construction activities and will update existing programs as required.
4. Construction Site Storm Water Controls	Ordinance Requiring Erosion and Sediment Controls at Construction Sites	Update Ordinance or other regulatory mechanism and procedures and adopt them.	City will continue to update the Ordinance or other regulatory mechanisms and procedures as needed and adopt them.

MCM(s)	BMP	Stormwater Activity	Description/Comments
5. Pollution Prevention/Good Housekeeping for Municipal Operations	Municipal Operation and Maintenance Program	Maintain Inventory, Develop Training and Education program, Dispose of Waste Materials, Develop Contractors Requirements, etc.	The City will follow all Year 4 activities described in the Storm Water Management Plan.
5. Pollution Prevention/Good Housekeeping for Municipal Operations	Provide Spill Response Kits and Training	Provide spill response kits and training.	The City will continue to participate in an Interlocal Agreement which provides funding to the Village Fire Department that is used in part to fund spill response kits and training for the Department.
5. Pollution Prevention/Good Housekeeping for Municipal Operations	Hazardous Waste Collection	Hazardous Waste Collection	City will continue with the hazardous waste collection.
5. Pollution Prevention/Good Housekeeping for Municipal Operations	Operation and Maintenance of Storm Sewer Systems	Evaluate storm sewer system and correct deficiencies when found.	City will continue to evaluate storm sewer system and correct deficiencies when found.

F. SWMP Modifications

- 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 (Refer to the MS4 General Permit TXR040000 Part IV Section B.2.(e)):

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

2. 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 (Refer to the MS4 General permit TXR040000 Part IV Section B.2.(f)).

BMP	Description	Implementation Schedule (Start Date etc.)	Status / Completion Date (completed, in progress, not started)
N/A			

H. Additional Information

1. Is the permittee relying on another entity to satisfy some of its permit obligations? (refer to the MS4 General Permit TXR040000 Part IV Section B.2.(g))

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: Harris County Public Infrastructure Department (HCPID), Clean Water Clear Choice Program. The HCPID is responsible for advertisement and educational material about awareness of pollutants entering the State's waterway.

Name and Explanation:

Name and Explanation:

Name and Explanation:

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

Yes No

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

Yes No

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

Authorization Number: _____ Permittee: _____

Authorization Number: _____ Permittee: _____

Authorization Number: _____ Permittee: _____

Authorization Number: _____ Permittee: _____

I. Construction Activities

1. The number of construction activities that occurred in the jurisdictional area of the MS4 (Notices of intent and site notices received; Refer to the MS4 General Permit TXR040000 Part IV Section B.2.(h)) Over the past reporting period, the City has had 24 new houses and 12 new non-residential buildings constructed. The City also has had 46 alterations or additions (swimming pools, driveways, new rooms, accessory structures, etc.) to existing buildings.

2a. Does the permittee utilize the optional 7th MCM related to construction?

Yes No

2b. If 'yes,' then provide the following information for this permit year (refer to the MS4 General Permit TXR040000 Part IV Section B.2.(i)):

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): Julie Robinson Title: City Administrator

Signature:  Date: 12-28-2017

Name of MS4 City of Spring Valley Village, TX

Name (printed): _____ Title: _____

Signature: _____ Date: _____

Name of MS4

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).