

Kimley»»Horn

March 23, 2020

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

**RE: Phase II MS4 Annual Report Transmittal for the City of Lake Worth
TPDES Permit Authorization: TXR040099**

Dear Team Leader:

This letter serves to transmit the 2019 Annual Report for the Texas Pollutant Discharge Elimination System Small Municipal Separate Storm Sewer System General Permit, Authorization Number TXR040099 for the City of Lake Worth.

The annual report is for Year 6. The reporting period's beginning January 1, 2019 to December 31, 2019.

A separate Notice of Change will not be submitted since no changes are 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 Fort Worth, Texas.

Sincerely,



Misty Christian, P.E., CFM
Project Manager

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Phase II (Small) MS4 Annual Report Form

TPDES General Permit Number TXR040000

A. General Information

Authorization Number: TXR0400099

Reporting Year (year will be either 1, 2, 3, 4, or 5): 5 (really 6) _____

Annual Reporting Year Option Selected by MS4:

Calendar Year: X _____

Permit Year: _____

Fiscal Year: _____ Last day of fiscal year: (December 31, 2019)

Reporting period beginning date: (month/date/year) Jan. 2019

Reporting period end date: (month/date/year) Dec. 2019

MS4 Operator Level: Traditional Name of MS4: City of Lake Worth,
Texas

Contact Name: Gilbert Salas/Stacey Almond Telephone Number: 817-237-1211 x114

Mailing Address: 3805 Adam Grubb, Lake Worth, TX 76135

E-mail Address: gsalas@lakeworthtx.org

A copy of the annual report was submitted to the TCEQ Region: YES X
NO _____ Region the annual report was submitted to: TCEQ Region Fort
Worth

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		
Permittee is currently in compliance with recordkeeping and reporting requirements.	X		

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

2. Provide a general assessment of the appropriateness of the selected BMPs. You may use the table below to meet this requirement (**see Example 1 in instructions**):

MCM(s)	BMP	BMP is appropriate for reducing the discharge of pollutants in stormwater (Answer Yes or No and explain)
	See Attached	

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)
		See Attached.			

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.

	See Attached.	
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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.?

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.

Lake Worth discharges to Lake Worth. The City of Lake Worth performs visually inspection of the creeks. The City of Fort Worth performs the testing since the City of Fort Worth has jurisdiction of the creeks before they discharge to Lake Worth.

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.

Lake Worth discharges to Lake Worth. The City of Lake Worth performs visually inspection of the creeks. The City of Fort Worth performs the testing since the City of Fort Worth has jurisdiction of the creeks before they discharge to Lake Worth.

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

Lake Worth discharges to Lake Worth. The City of Lake Worth performs visually inspection of the creeks. The City of Fort Worth performs the testing since the City of Fort Worth has jurisdiction of the creeks before they discharge to Lake Worth.

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
		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
	See Attached		

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)
	<i>Not Applicable</i>	

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.).

Lake Worth discharges to Lake Worth. The City of Lake Worth performs visually inspection of the creeks. The City of Fort Worth performs the testing since the City of Fort Worth has jurisdiction of the creeks before they discharge to Lake Worth.

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

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):

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	
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The total number of acres disturbed for municipal construction projects	See Attached.
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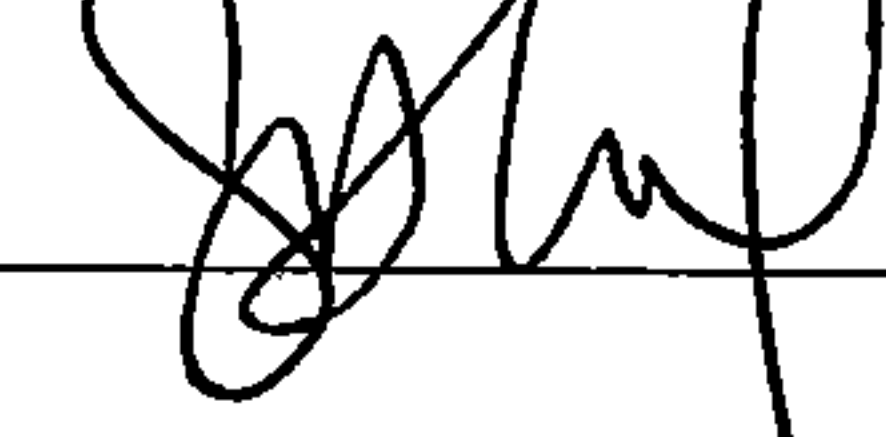
Note: Though the seventh MCM is optional, implementation must be requested on the NOI or on a NOC and approved by the TCEQ.

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): STACY ALMOND Title: CITY MANAGER

Signature:  Date: 3.27.2020

Name of MS4 CITY OF LAKE WORTH (PERMIT#: TXR040099)

Name (printed): _____ Title: _____

Signature: _____ Date: _____

Name of MS4 _____

Name (printed): _____ Title: _____

Signature: _____ Date: _____

Name of MS4 _____

Name (printed): _____ Title: _____

Signature: _____ Date: _____

Name of MS4 _____

Name (printed): _____ Title: _____

Signature: _____ Date: _____

Name of MS4 _____

If you have questions on how to fill out this form or about the Stormwater Permitting program, please contact us at 512-239-4671.

Individuals are entitled to request and review their personal information that the agency gathers on its forms. They may also have any errors in their information corrected. To review such information, contact us at 512-239-3282.



B. 2. General Assessment

These are the BMPs that were selected to be performed during the 2019 permit year.

MCM(s)	BMP	Description of BMP	BMP is appropriate?
2	BMP 2-F	Training- Illicit Discharge Detection	Yes, provides training for staff on storm water
3	BMP 3-A	Training- Pollution Prevention	Yes, provides training for staff on storm water
5	BMP 5-A	Training- Erosion Control BMP Inspection	Yes, provides training for staff on storm water
2	BMP 2-C	Training-Pollution Prevention	Yes, provides training for staff on storm water
2	BMP 2-C	Update map of storm water outfalls	Yes, map shows location of outfalls
2,3	BMP-2-E,3-B	Continue to implement erosion control, illicit discharge, and post construction ordinance	Yes, documents policy and enforcement
1	BMP 1-A	Continue storm marking program	Yes, it educates the public on stormwater
1,2	BMP 1-B, 2-A	Obtain Storm Water Brochure, reprint, and distribute	Yes, it educates the public on stormwater
1,4	BMP 1-C, 4-A	Obtain SmartScape Brochure, reprint, and distribute	Yes, it educates the public on stormwater
1	BMP 1-D	Present Storm Water Information in a Public Setting	Yes, it educates the public on stormwater
1	BMP 1-E	Include information regarding Storm Water in Utility Bill Insert	Yes, it educates the public on stormwater
1,2,4	BMP 1-F, 2-B, 4-B	Continue to maintain website	Yes, it educates and provides resource for reporting
1	BMP 1-G	Advertise and Encourage Local Cleanup	Yes, removes potential pollutants
5	BMP 5-E	Develop City-wide Recycling Program (OPTIONAL)	Yes, removes potential pollutants
2,4	BMP 2-D, 4-C	Continue Site Plan and SWPPP Review	Yes-it educates the public on stormwater
3	BMP 3-C, 3-D	Continue to inspect site and use inspection form	Yes, ensure construction site doesn't cause pollutants in storm water
5	BMP 5-H	Garage and Fleet Maintenance/Washing-keep records	Yes, required by the permit
5	BMP 5-G	Keep track of storm drain cleaning program	Yes, activity that helps quantify pollutant removal
5	BMP 5-B, 5-C	Keep track of fleet maintenance activities	Yes, activity that helps quantify pollutant removal
5	BMP 5-B, 5-C	Roadway, Street, and Park Maintenance-keep track	Yes, provides location for public to make complaints
2	BMP 2-E	Develop procedures for tracing and managing illicit discharges (spills)	Yes, procedures will be documented for staff to follow
3	BMP 3-C, 3-D	Update standard inspection form	Yes, to be used at construction sites to ensure the correct things are being followed
5	BMP 5-C	Identify pollutants of concern for municipal operations	Yes, to help educate the staff
2	BMP 2-E	Discuss Standard Operating Procedures for spills with emergency personnel	Yes, required by the permit
5	BMP 5-D	Keep track of waste disposal procedures	Yes, helps quantify pollutants, ensures being done right
5	BMP 5-C	Develop and implement pollution prevention measures to reduce pollutants of concern for municipal operations	Yes, helps quantify pollutants, ensures being done right
5	BMP 5-C	Develop an inspection form for pollution prevention measures	Yes, ensures pollutants are being monitored and identified
5	BMP 5-C	Update/review pollution prevention measures to reduce pollutants of concern for municipal operations	Yes, ensures pollutants are being monitored and identified
		Compile Records for the Year for Annual Reporting	Yes, requirement of the permit



3. Progress towards reducing discharge of pollutants

The City does not test the stormwater so specific parameters are not targeted other than silt/sediment. The quantity and unit is described in Table 4.

MCM(s)	BMP	Description of BMP	Parameter	Quantity	Units	Direct Reduction?
2	BMP 2-F	Training- Illicit Discharge Detection	training	see below	see below	No, training will educate staff so eventually pollutants will be reduced.
3	BMP 3-A	Training- Pollution Prevention	training			No, training will educate staff so eventually pollutants will be reduced.
5	BMP 5-A	Training- Erosion Control BMP Inspection	training			No, training will educate staff so eventually pollutants will be reduced.
2	BMP 2-C	Training-Pollution Prevention	training			No, training will educate staff so eventually pollutants will be reduced.
2	BMP 2-C	Update map of storm water outfalls	outfall			No, training will educate staff so eventually pollutants will be reduced.
2,3	BMP-2-E,3-B	Continue to implement erosion control, illicit discharge, and post construction ordinance	ordinance			No, but ordinance will help set rules for SWMP program.
1	BMP 1-A	Continue storm marking program	curbs			No, but will communicate water way
1,2	BMP 1-B, 2-A	Obtain Storm Water Brochure, reprint, and distribute	Yes, it educates the public on stormwater			No, but provides education for others.
1,4	BMP 1-C, 4-A	Obtain SmartScape Brochure, reprint, and distribute	Yes, it educates the public on stormwater			No, but provides education for others.
1	BMP 1-D	Present Storm Water Information in a Public Setting	Yes, it educates the public on stormwater			No, but provides education for others.
1	BMP 1-E	Include Information regarding Storm Water in Utility Bill Insert	Yes, it educates the public on stormwater			No, but provides education for others.
1,2,4	BMP 1-F, 2-B, 4-B	Continue to maintain website	Yes, it educates and provides resource for reporting			No, but provides education for others.
1	BMP 1-G	Advertise and Encourage Local Cleanup	Yes, removes potential pollutants			No, but efforts will reduce waste/pollutants in water.
5	BMP 5-E	Develop City-wide Recycling Program (OPTIONAL)	Yes, removes potential pollutants			No, but efforts will reduce waste/pollutants in water.
2,4	BMP 2-D, 4-C	Continue Site Plan and SWPPP Review	Yes-it educates the public on stormwater			No, but review will over time reduce pollutants
3	BMP 3-C, 3-D	Continue to Inspect site and use inspection form	Yes, ensure construction site doesn't cause pollutants in storm water			No, but efforts will reduce waste/pollutants in water.
5	BMP 5-H	Garage and Fleet Maintenance/Washing-keep records	Yes, required by the permit			No, but efforts will reduce waste/pollutants in water.
5	BMP 5-G	Keep track of storm drain cleaning program	Yes, activity that helps quantify pollutant removal			No, reporting helps with monitoring progress of program
5	BMP 5-B, 5-C	Keep track of fleet maintenance activities	Yes, activity that helps quantify pollutant removal			No, reporting helps with monitoring progress of program
5	BMP 5-B, 5-C	Roadway, Street, and Park Maintenance-keep track	Yes, provides location for public to make complaints			No, reporting helps with monitoring progress of program
2	BMP 2-E	Develop procedures for tracing and managing illicit discharges (spills)	Yes, procedures will be documented for staff to follow			No, but program will help reduce pollutants
3	BMP 3-C, 3-D	Update standard Inspection form	Yes, to be used at construction sites to ensure the correct things are being followed			No, reporting helps with monitoring progress of program
5	BMP 5-C	Identify pollutants of concern for municipal operations	Yes, to help educate the staff			No, reporting helps with monitoring progress of program
2	BMP 2-E	Discuss Standard Operating Procedures for spills with emergency personnel	Yes, required by the permit			No, reporting helps with monitoring progress of program
5	BMP 5-D	Keep track of waste disposal procedures	Yes, helps quantify pollutants, ensures being done right			No, reporting helps with monitoring progress of program

5	BMP 5-C	Develop and implement pollution prevention measures to reduce pollutants of concern for municipal operations	Yes, helps quantify pollutants, ensures being done right			No, but program will help reduce pollutants
5	BMP 5-C	Develop an inspection form for pollution prevention measures	Yes, ensures pollutants are being monitored and identified			No, reporting helps with monitoring progress of program
5	BMP 5-C	Update/review pollution prevention measures to reduce pollutants of concern for municipal operations	Yes, ensures pollutants are being monitored and identified			No, reporting helps with monitoring progress of program
		Compile Records for the Year for Annual Reporting	Yes, requirement of the permit			No, it is required



4. Measurable Goal for MCM

MCM(s)	BMP	BMP Description	Measurable Goal
2	BMP 2-F	Training- Illicit Discharge Detection	Send one employee to training a year.
3	BMP 3-A	Training- Pollution Prevention	Send one employee to training a year.
5	BMP 5-A	Training- Erosion Control BMP Inspection	Send one employee to training a year.
2	BMP 2-C	Training-Pollution Prevention	Send one employee to training a year.
2	BMP 2-C	Update map of storm water outfalls	Update storm water map once a year. Didn't update 2019 (no new updates)
2,3	BMP 2-E,3-B	Continue to implement erosion control, illicit discharge, and post construction ordinance	Ordinance is followed and implemented.
1	BMP 1-A	Continue storm marking program	Mark every (100%) new inlet and storm drain manhole
1,2	BMP 1-B, 2-A	Obtain Storm Water Brochure, reprint, and distribute	Provided 100 brochures at National Night Out, Placed 30 brochures at City Hall (7 brochures picked up)
1,4	BMP 1-C, 4-A	Obtain SmartScape Brochure, reprint, and distribute	Up to 100 brochures are obtained and placed-see line above
1	BMP 1-D	Present Storm Water information in a Public Setting	Presented in July 2019 (City newsletter)
1	BMP 1-E	Include information regarding Storm Water in Utility Bill Insert	One insert was mailed out in August 2019
1,2,4	BMP 1-F, 2-B, 4-B	Continue to maintain website	City reviewed the website Decemeber 2019
1	BMP 1-G	Advertise and Encourage Local Cleanup	Hosted one clean-up, picked up 330lb of paper (April 2019)
5	BMP 5-E	Develop City-wide Recycling Program (OPTIONAL)	Hosted one clean up (recycle event)- April 2019
2,4	BMP 2-D, 4-C	Continue Site Plan and SWPPP Review	Reviewed 100% of the submitted plans to the city (4 commercial, 13 residential)
3	BMP 3-C, 3-D	Continue to inspect site and use inspection form	Continue to perform site inspections. 8 inspections performed this year.
5	BMP 5-H	Garage and Fleet Maintenance/Washing-keep records	Continue to keep track of records. 30 vehicles washed.
5	BMP 5-G	Keep track of storm drain cleaning program	Continue to keep track of records. Street sweeper in operation. Sweeps 31.35 miles/year
5	BMP 5-B, 5-C	Keep track of fleet maintenance activities	Continue to keep track of records. 30 vehicles with oil changes.
5	BMP 5-B, 5-C	Roadway, Street, and Park Maintenance-keep track	14,000 lbs of trash
2	BMP 2-E	Develop procedures for tracing and managing illicit discharges (spills)	Fire department keeps track of spills. No spills reported for 2019
3	BMP 3-C, 3-D	Update standard inspection form	Updated and reviewed December 2019
5	BMP 5-C	Identify pollutants of concern for municipal operations	pollutants identified; reviewed December 2019
2	BMP 2-E	Discuss Standard Operating Procedures for spills with emergency personnel	Have one meeting a year to discuss spill procedures-August 2019
5	BMP 5-D	Keep track of waste disposal procedures	Tracked in Facility Dude. Over 24,000 lbs of trash collected over 10 months in 2019. Waste management handles trash (contractor)
5	BMP 5-C	Develop and implement pollution prevention measures to reduce pollutants of concern for municipal operations	Developed list and reviewed December 2019.
5	BMP 5-C	Develop an inspection form for pollution prevention measures	Developed form and reviewed December 2019.
5	BMP 5-C	Update/review pollution prevention measures to reduce pollutants of concern for municipal operations	Developed list and reviewed December 2019.
		Compile Records for the Year for Annual Reporting	Completed



2019 TCEQ MS4 Annual Report Cont'd

C. Stormwater Monitoring Data

Yes, the City of Lake Worth has a visual observation program in effect. There was no evidence of illicit discharges in the ditches, detention ponds, and roadways.

D. Impaired Bodies of Water

Lake Worth may be considered an impaired water. Lake Worth is doing no extra monitoring or BMPs that target this area.

E. Stormwater Activities

MCM(s)	BMP	Description of BMP
2	BMP 2-F	Training- Illicit Discharge Detection
3	BMP 3-A	Training- Pollution Prevention
5	BMP 5-A	Training- Erosion Control BMP Inspection
2	BMP 2-C	Training-Pollution Prevention
2	BMP 2-C	Update map of storm water outfalls
2,3	BMP-2-E,3-B	Continue to implement erosion control, illicit discharge, and post construction ordinance
1	BMP 1-A	Continue storm marking program
1,2	BMP 1-B, 2-A	Obtain Storm Water Brochure, reprint, and distribute
1,4	BMP 1-C, 4-A	Obtain SmartScape Brochure, reprint, and distribute
1	BMP 1-D	Present Storm Water Information in a Public Setting
1	BMP 1-E	Include Information regarding Storm Water in Utility Bill Insert
1,2,4	BMP 1-F, 2-B, 4-B	Continue to maintain website
1	BMP 1-G	Advertise and Encourage Local Cleanup
5	BMP 5-E	Develop City-wide Recycling Program (OPTIONAL)
2,4	BMP 2-D, 4-C	Continue Site Plan and SWPPP Review
3	BMP 3-C, 3-D	Continue to Inspect site and use inspection form
5	BMP 5-H	Garage and Fleet Maintenance/Washing-keep records
5	BMP 5-G	Keep track of storm drain cleaning program
5	BMP 5-B, 5-C	Keep track of fleet maintenance activities
5	BMP 5-B, 5-C	Roadway, Street, and Park Maintenance-keep track
2	BMP 2-E	Develop procedures for tracing and managing illicit discharges (spills)
3	BMP 3-C, 3-D	Update standard inspection form
5	BMP 5-C	Identify pollutants of concern for municipal operations
2	BMP 2-E	Discuss Standard Operating Procedures for spills with emergency personnel
5	BMP 5-D	Keep track of waste disposal procedures
5	BMP 5-C	Develop and implement pollution prevention measures to reduce pollutants of concern for municipal operations
5	BMP 5-C	Develop an inspection form for pollution prevention measures
5	BMP 5-C	Update/review pollution prevention measures to reduce pollutants of concern for municipal operations
		Compile Records for the Year for Annual Reporting



Kimley»Horn

F. SWMP Modifications

None

G. Additional BMPs

None

H. Additional Information

See report template

I. Construction Activities

1. 1 project for the city
2. no, does not have authorization