



LEWISVILLE

Deep Roots. Broad Wings. Bright Future.

**TCEQ ANNUAL REPORT
ON STORM WATER MANAGEMENT
PROGRAM STATUS**

**TCEQ MS4 GENERAL PERMIT NUMBER
TXR040000**

**CITY OF LEWISVILLE PERMIT
AUTHORIZATION TXR040059**

**PERMIT YEAR THREE
JANUARY 1, 2021 – December 31, 2021**

Phase II (Small) MS4 Annual Report Form

TPDES General Permit Number TXR040059

A. General Information

Authorization Number: TXR040059

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

Annual Reporting Year Option Selected by MS4 (calendar, permit, or fiscal): Calendar

Last day of fiscal year, if applicable: NA

Reporting period beginning date (month/date/year): 01/01/2021

Reporting period end date (month/date/year): 12/31/2021

MS4 Operator Level: 4

Name of MS4: City of Lewisville

Contact Name: Jason Longbine

Telephone Number: (972) 219-3507

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A copy of the annual report was submitted to the TCEQ Region: YES

Region the annual report was submitted to: 4 (Dallas/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.	Yes		No explanation is required.

	Yes	No	Explain
Permittee is currently in compliance with recordkeeping and reporting requirements.	Yes		No explanation is required.
Permittee meets the eligibility requirements of the permit (e.g., TMDL requirements, Edwards Aquifer limitations, compliance history, etc.).	Yes		No explanation is required.
Permittee conducted an annual review of its SWMP in conjunction with preparation of the annual report	Yes		The SWMP which was submitted in 2019 was modified extensively in 2020/21 in response to the TCEQ technical review of the SWMP. The modified SWMP was approved by the permit writer assigned to review the Lewisville SWMP. No modifications have been made to the approved SWMP, and the current SWMP is adequate to meet at least the minimum requirements of TXR040000.

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	BMP	BMP is appropriate for reducing the discharge of pollutants in stormwater (Answer Yes or No and explain)
1	STORMWATER MEDIA OUTREACH	Yes - this activity brings more awareness to storm water issues.
1	STORMWATER AND ENVIRONMENTAL LITERATURE	Minimally - printed literature does not garner much interest and has the potential to end up as litter or landfill waste.
1	PUBLIC EDUCATION TASK FORCE	Yes - this activity allows Storm Water personnel

MCM	BMP	BMP is appropriate for reducing the discharge of pollutants in stormwater (Answer Yes or No and explain)
		to network with other MS4 representatives and stay updated on regional public education initiatives.
1	STORM DRAIN MARKING PROGRAM	Yes - this activity is anticipated to draw attention to storm drains and help reduce illegal dumping
1	COMMUNITY EDUCATION AND PARTICIPATION OPPORTUNITIES	Yes - this activity is anticipated to bring more awareness to stormwater issues and encourage residents to take action in their community.
1	MUNICIPAL EMPLOYEE TRAINING PROGRAM	Yes - training provides employees with the knowledge they need to reduce stormwater pollution in their job and report it when they see it elsewhere.
1	COMPLIANCE WITH PUBLIC NOTICE REQUIREMENTS	Yes - this activity informs the public of the City's application and facilitates their participation via public comments.
2	MS4 MAP	Yes - an updated map of infrastructure is critical for inspection and spill response activities.
2	STORM WATER MANAGEMENT ORDINANCE	Yes - the ordinance establishes local requirements and penalties for non-compliance.
2	OUTFALL INSPECTIONS AND DRY WEATHER SCREENING	Yes - this activity identifies signs of illicit discharges and drainage issues.
2	ILLICIT DISCHARGE INVESTIGATIONS	Yes - this activity helps to eliminate illicit discharges and raise awareness of environmental issues.
2	STORMWATER HOTLINE	Yes - the hotline allows residents to report suspicious activities that the Storm Water Division might not otherwise be aware of.
2	HOUSEHOLD HAZARDOUS WASTE	Yes - this program prevents substantial amounts

MCM	BMP	BMP is appropriate for reducing the discharge of pollutants in stormwater (Answer Yes or No and explain)
	COLLECTION PROGRAM	of hazardous materials from ending up in the landfills, storm sewer system, and the environment.
3	CONSTRUCTION SITE INVENTORY AND PERMIT AUTHORIZATION	Yes - this activity ensures that the Storm Water Division is monitoring all active construction and that all large and small sites are properly authorized to discharge stormwater.
3	SITE PLAN REVIEW	Yes - this activity ensures that proposed development projects comply with local pollution prevention requirements. It also ensures that large and small construction sites have developed a SWPPP in accordance with TXR150000.
3	CONSTRUCTION SITE INSPECTIONS AND ENFORCEMENT	Yes - this activity reduces storm water pollution from construction sources.
3	EDUCATION MATERIALS FOR CONSTRUCTION SITE PERSONNEL	Yes - this activity brings awareness of stormwater issues to construction personnel, especially those who do not employ a stormwater professional or consultant.
3	STORM WATER STAFF TRAINING	Yes - training improves employee knowledge and job performance.
4	POST-CONSTRUCTION PROGRAM	In progress - the Engineering and Storm Water Divisions are working with a consultant to assist in developing a new drainage criteria manual and post-construction requirements.
5	CITY-OWNED FACILITIES AND STORM WATER CONTROLS	Yes - city facilities have been identified on the map, which helps to facilitate assessments. There is currently one city-owned storm water control, which is operated by the Parks and Recreation Department.

MCM	BMP	BMP is appropriate for reducing the discharge of pollutants in stormwater (Answer Yes or No and explain)
5	MUNICIPAL EMPLOYEE TRAINING PROGRAM	Yes - training provides employees with the knowledge they need to reduce storm water pollution in their job, and report it when they see it elsewhere.
5	STORM SEWER SYSTEM WASTE DISPOSAL	Yes - this activity ensures that materials removed from the storm sewer system are properly disposed.
5	CONTRACTOR REQUIREMENTS AND OVERSIGHT	Yes - current contract language requires compliance with all federal, state and local requirements. Compliance with specific SOPs will be integrated into new contracts.
5	FACILITY ASSESSMENT	Yes - all facilities have been assessed, and these assessments will help to focus on areas with the greatest potential for pollution.
5	HIGH-PRIORITY FACILITIES	Yes - high-priority facilities are inspected regularly for pollution potential.
5	MUNICIPAL ACTIVITIES AND OPERATIONS	Yes - the City has implemented the municipal SOPs developed by NCTCOG to reduce storm water pollution from municipal activities.
5	STRUCTURAL CONTROL MAINTENANCE	Yes - these controls help to prevent or reduce contaminated runoff.
5	STORM SEWER SYSTEM OPERATION AND MAINTENANCE	Yes - this activity removes accumulated materials from the MS4.
5	STREET SWEEPING PROGRAM	Yes - this activity removes solid materials from streets and prevents them from entering 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 below to meet this requirement (see Example 2 in instructions):

MCM	BMP	Information Used	Quantity	Units	Does the BMP Demonstrate a Direct Reduction in Pollutants? (Answer Yes or No and explain)
1	Community Cleanup Events	Cleanup Event Waste Collection (volunteer)	22.28	tons	Yes
2	HHW Disposal Opportunities	Household Hazardous Waste Disposal	22,117	pounds	Yes
2	Holiday Grease Roundup and Medication Disposal	Recyclables Collected at HHW Events	57,449	pounds	Yes
3	Construction Site Inventory	Residential Recycling	4,837	tons	Yes
3	Update Inventory	Holiday Grease Roundup	173	gallons	Yes
3	TXR150000 Permit Authorization	Medication Take-Back	310	pounds	Yes
5	Waste Disposal	Debris Removed From MS4	175	C.Y.	Yes
5	Sweep Main Thoroughfares	Street Sweeping	57	tons	Yes

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	Measurable Goals	Explain progress toward goal or how goal was achieved. If goal was not accomplished, please explain.
1	Review Storm Water Webpage	<p>Review 100% of stormwater webpage for adequate outreach materials once per year, update if outdated.</p> <p>Goal Met - Storm Water personnel conducted a review of the storm water webpage for adequate outreach materials. The webpage has outreach materials addressing pet waste, car washing, fertilizer, grease, yard wastes and illegal dumping. The webpage has adequate outreach materials at this time.</p>
1	Social Media Posts	<p>Post relevant information on the city social media accounts at least once per year.</p> <p>Goal Exceeded - The City posted stormwater-related information on (1) waterway cleanups, (2) Holiday Grease Roundup, (3) Earth Day, (4) litter reduction, (5) rain barrels and (6) reducing plastic waste on Facebook, Twitter, Instagram and NextDoor.</p>
1	Education Items at Public Events	<p>Make promotional items available at public events at least once per year, provided public events are conducted.</p> <p>Goal Met - Stormwater promotional items were made available at the City's booth at the Colorpalooza festival on April 17th. Approximately 48 people visited the booth, and approximately 12 of those people were interested in the materials.</p>
1	Construction Field Guides	<p>Provide the Construction Field Guide to all newly identified large and small construction sites.</p> <p>Goal Not Met - Field Guides were provided to 16 out of 37 (43%) construction projects. The Storm Water Division provided remainder of field guides left over from 2020, then ordered additional guides. These guides were also provided. A second order was attempted, but the field guides were out of stock at NCTCOG.</p>
1	Public Education Task Force	<p>Attend 50% of the Public Education Task Force meetings at the North Central Texas Council of Governments.</p>

MCM	Measurable Goals	Explain progress toward goal or how goal was achieved. If goal was not accomplished, please explain.
		Goal Exceeded - A representative from the Storm Water Division attended all four quarterly PETF meetings in January, April, July and October.
1	Inlet Markers	<p>Install at least 250 markers per year. If 250 markers can not be installed in any given permit year, the deficit will be made up in a subsequent year within that permit term.</p> <p>Goal Not Met - Due to staffing shortages throughout the year, the Storm Water Division missed the annual goal of 250 inlet markers. An additional 52 markers will be installed in a subsequent permit year to make up the deficit.</p>
1	Inlet Marking Signs	<p>Install temporary storm drain marking signs in 100% of the areas where inlet markers have been recently installed.</p> <p>Goal Not Met - Temporary signs were placed in 6 out of 11 total areas where inlet markers were installed.</p>
1	Community Education Opportunities	<p>Provide opportunities for environmental education to the community at least two times per year.</p> <p>Goal Met - The City of Lewisville hosted a booth at the 2021 ColorPalooza festival. Keep Lewisville Beautiful hosted booths related to litter abatement, waste reduction, resource conservation, community improvement and environmental education at the Holiday Stroll, Castle Hills Expo and Thrive Grand Opening. Keep Lewisville Beautiful posted on social media 289 times.</p>
1	Community Participation Opportunities	<p>Provide opportunities for community participation and stewardship at least one time per year.</p> <p>Goal Met - Keep Lewisville Beautiful provided opportunities for community participation including Adopt-A-Spot, Community Service, Christmas tree recycling, tree and seed plantings, recycling and gardening classes.</p>
1	Community Cleanup Events	Provide opportunities for community waterway cleanup events at least one time per year.

MCM	Measurable Goals	Explain progress toward goal or how goal was achieved. If goal was not accomplished, please explain.
		<p>Goal Exceeded - The City partnered with Keep Lewisville Beautiful and Upper Trinity Regional Water District to host 17 community/waterway cleanup events and the Adopt-A-Spot program.</p> <p>Trash and debris removed from medians, parks, greenbelts and other public spaces - 22.28 tons</p>
1	Employee Training	<p>Provide stormwater training to all Public Services and Parks and Recreation employees annually; maintain records of employee training.</p> <p>Goal Met - One-hundred and thirty-four (134) employees received the annual training. The departments/divisions included Environmental Control Services, Streets, ULM, Traffic, Utilities Maintenance, Facilities, Fleet, Meters, WWTP, WTP and Parks and Recreation.</p>
1	Publish Public Notice	<p>Publish a notice of the Executive Director's preliminary determination on the NOI and SWMP after the city receives written instructions from the TCEQ's Office of the Chief Clerk.</p> <p>In progress - The Notice to Publish has not yet been received from TCEQ.</p>
1	Post SWMP During Public Notice	<p>Post a copy of the SWMP at the Public Library and the Storm Water Webpage during the public notice period.</p> <p>In Progress - The Notice to Publish has not yet been received from TCEQ.</p>
1	Respond to Public Comments	<p>Respond to 100% of questions, comments or suggestions submitted during the public comment period, and maintain records of all correspondence.</p> <p>In Progress - The Notice to Publish has not yet been received from TCEQ.</p>
1	Post SWMP at City Facilities	<p>Post one copy of the SWMP and annual reports at Public Services Administration and on the Storm Water webpage for the duration of the permit term.</p> <p>Goal Met - A copy of the 2019 SWMP has been posted on the Storm Water</p>

MCM	Measurable Goals	Explain progress toward goal or how goal was achieved. If goal was not accomplished, please explain.
		Webpage since March 2020.
1	Review Storm Water Webpage for SWMP/ Annual Reports	<p>Review all the Stormwater webpage annually for SWMP/annual reports inclusion.</p> <p>Goal Met - A copy of the 2020 Annual Report was posted on the Storm Water webpage in April 2021. The webpage also includes the 2019 SWMP and Annual Report.</p>
2	Outfall Inventory	<p>Create inventory of new and demolished outfalls identified through field inspections and tracking of development and redevelopment.</p> <p>Goal Met - The Storm Water Division created an outfall inventory. There are a total of 559 active outfalls on the inventory. One outfall was demolished and removed from the previous inventory.</p>
2	Update Outfall Map	<p>Complete all storm sewer system map updates within 30 days of receipt of as-built plans.</p> <p>Goal Met - All map updates were completed within 30 days of receiving as-built plans, as reported by the GIS Division.</p>
2	Enforce Ordinance	<p>Enforce all ordinance violations.</p> <p>Goal Met - 120 written enforcement actions were taken for 120 ordinance violations.</p>
2	Evaluate Storm Water Ordinance	<p>Evaluate the storm water ordinance once during the permit term to determine if it is adequate to effectively eliminate illicit discharges.</p> <p>In Progress - This activity is not yet due.</p>
2	Revise Storm Water Ordinance	<p>Revise the storm water ordinance within one year of identifying deficiencies.</p> <p>In Progress - This activity can not be completed until BMP 2.2b is completed.</p>
2	Outfall Inspections	Inspect at least 25% of known outfalls each year. Maintain records of all

MCM	Measurable Goals	Explain progress toward goal or how goal was achieved. If goal was not accomplished, please explain.
		<p>activities.</p> <p>Goal Exceeded - Two hundred and thirteen (213) out of 565 outfalls were inspected, which constitutes 38% of all outfalls.</p>
2	Dry Weather Screening	<p>Perform dry weather screening on all outfalls that meet the dry weather screening criteria.</p> <p>Goal Met - One hundred and fifty-eight (158) outfalls qualified for dry weather screening and dry weather screening was conducted at all 158. Twenty-nine (29) dry weather samples and forty-five (45) wet weather samples were collected and analyzed.</p>
2	Training for Dry Weather Screening	<p>All new inspectors will attend the NCTCOG dry weather screening/IDDE workshop at the first available opportunity. Maintain records of all staff training.</p> <p>Goal Not Met - There were no opportunities for new inspectors to attend the training for permit year 3.</p>
2	Additional Inspector Training	<p>Storm Water staff will receive ongoing training at least once per permit term. This may be the NCTCOG workshop, the annual EPA MS4 Operators Conference, or other source of training that is available.</p> <p>In Progress - An inspector and the supervisor attended the 2021 Region 6 EPA Stormwater conference. Additional training is only required once per permit term for each inspector.</p>
2	Investigate Illicit Discharges	<p>Investigate 100% of all alleged illicit discharges, reported or discovered, in accordance with the written procedures. Notification will be made to TCEQ where applicable.</p> <p>Goal Met - Eleven (11) out of 11 reported illicit discharges were investigated by Storm Water and ECS inspectors.</p>
2	Investigation Follow-ups	<p>All investigations will include a follow-up and resolution (when possible).</p> <p>Goal Met - All verified illicit discharges had an initial investigation and a</p>

MCM	Measurable Goals	Explain progress toward goal or how goal was achieved. If goal was not accomplished, please explain.
		documented follow-up.
2	Investigate spills	<p>Investigate 100% of reported spills in accordance with the written procedures. Storm Water/ECS will help facilitate response and cleanup on public property and will coordinate with private property owners to ensure that the appropriate response and cleanup is conducted.</p> <p>Goal Met - Twenty-seven (27) out of 27 reported spills were investigated by Storm Water and ECS inspectors.</p>
2	Inspector Training for IDDE	<p>All new inspectors will attend the NCTCOG IDDE/dry weather screening workshop at the first available opportunity.</p> <p>Goal Not Met - There were no opportunities to attend this training for permit year 3.</p>
2	Additional Inspector Training	<p>Storm Water staff will receive ongoing training at least once per permit term. This may be the NCTCOG workshop, the annual EPA MS4 Operators Conference, or other source of training that is available.</p> <p>In Progress - Inspector Chapman and Supervisor Longbine attended the 2021 Region 6 EPA Stormwater conference. Additional training is only required once per permit term for each inspector.</p>
2	Employee Training for IDDE	<p>All employees of Streets, Traffic, Facilities, ECS, Utility Line Maintenance, Water Plant, Wastewater Plant, and Parks and Recreation will complete training on identifying and reporting illicit discharges annually.</p> <p>Goal Met - One hundred thirty-four (134) employees of Streets, Traffic, Facilities, Fleet, Meters, ECS, Utility Line Maintenance, Utilities Maintenance, Water Plant, Wastewater Plant, and Parks and Recreation completed the IDDE training.</p>
2	Promote Hotline	<p>Promote one hotline on the Storm Water webpage.</p> <p>Goal Met - The reporting hotline is promoted on the Storm Water webpage.</p>

MCM	Measurable Goals	Explain progress toward goal or how goal was achieved. If goal was not accomplished, please explain.
2	Review Webpage	<p>Review 100% of the Storm Water webpage for adequate hotline promotion each year.</p> <p>Goal Met - The Storm Water webpage was reviewed for permit year 3. The Storm Water webpage has adequate hotline promotion at this time.</p>
2	Special Event Promotion	<p>Promote hotline at special events at least once per year.</p> <p>Goal Met - The reporting hotline was promoted on brochures and other promotional items at the 2021 ColorPalooza festival in April 2021. Approximately 48 people visited the Storm Water booth, and around 12 people were interested in the promotional materials.</p>
2	Promote Hotline on Temporary Signs	<p>Promote hotline via temporary storm drain marking signs. Signs will be posted in 100% of areas where inlet markers have been recently installed.</p> <p>Goal Not Met - Temporary signs were placed in 6 out of 11 total areas (55%) where inlet markers were installed.</p>
2	HHW Disposal Opportunities	<p>Provide household hazardous waste disposal opportunities at least once per month.</p> <p>Goal Met - The City hosted monthly household hazardous waste disposal events, in addition to scheduled weekly drop-off opportunities. Residents can dispose of things such as cleaning agents, pesticides, light bulbs, paint and recycle items such as motor oil, cooking oil, antifreeze, oil filters, electronics and batteries.</p>
2	Holiday Grease Roundup and Medication Disposal	<p>Participate in and promote the Holiday Grease Roundup and Medication Disposal events annually.</p> <p>Goal Met - The ECS Division promoted the Holiday Grease Roundup on Facebook, Twitter, Instagram and NextDoor, as well as a street sign at the drop-off location. The promotion went from November 2021 through January 2022. One hundred and seventy-three (173) gallons (1,317 pounds) of used cooking oil were collected. The Medication Takeback Event collected 311 pounds.</p>

MCM	Measurable Goals	Explain progress toward goal or how goal was achieved. If goal was not accomplished, please explain.
3	Construction Site Inventory	<p>Create an inventory of construction sites regulated under TXR150000.</p> <p>Goal Met - There were 69 active large and small construction sites on the inventory at the beginning of 2021.</p>
3	Update Inventory	<p>The construction site inventory will be updated annually.</p> <p>Goal Met - Thirty-seven (37) large and small construction sites were added to the inventory and forty-three (43) were removed in 2021.</p>
3	TXR150000 Permit Authorization	<p>Require all regulated construction sites to have the appropriate TXR15000 permit authorization.</p> <p>Goal Met - There were 37 large and small construction sites and all 37 provided proof of permit authorization.</p>
3	Construction Site SWPPPs	<p>Require all regulated construction sites to develop a SWPPP.</p> <p>Goal Met - There were 37 large and small construction sites and all 37 provided proof of SWPPP development.</p>
3	Review Site Plans	<p>Review 100% of site plans submitted (plan review committees).</p> <p>Goal Met - A total of 75 development plans were submitted and reviewed.</p>
3	Review Construction SWPPPs	<p>Review 100% of SWPPPs for regulated construction sites.</p> <p>Goal Met - Thirty-seven (37) construction SWPPPs were submitted and all 37 were reviewed on a department form.</p>
3	Construction Site Inspections	<p>Inspect 100% of regulated construction sites identified in the construction site inventory, at least four times per year. Maintain records relating to inspections.</p> <p>Goal Met - Eight-seven (87) of the 99 projects which were active during 2021 were inspected at least four times. The remainder were not active long enough to be inspected four times. A total of 1,194 inspections were</p>

MCM	Measurable Goals	Explain progress toward goal or how goal was achieved. If goal was not accomplished, please explain.
		conducted.
3	Investigate Complaint Reports	<p>Investigate 100% of reports of non-compliance at regulated construction sites. Maintain records relating to investigations.</p> <p>Goal Met - The Storm Water Division received 13 complaints and conducted 13 investigations in response to complaints.</p>
3	Enforcement Actions	<p>Take enforcement action for 100% of non-compliances identified at regulated construction sites.</p> <p>Goal Met - The Storm Water Division identified 120 non-compliances at construction sites and issued 120 corresponding enforcement actions.</p>
3	Evaluate Storm Water Ordinance	<p>Evaluate the storm water ordinance once during the permit term to determine if it is adequate to effectively eliminate illicit discharges.</p> <p>In Progress - This activity is pending final adoption of updates to the General Development Ordinance and Drainage Criteria Manual.</p>
3	Revise Storm Water Ordinance	<p>Revise the storm water ordinance within one year of identifying deficiencies.</p> <p>In Progress - The prior activity must be completed in order to accomplish this activity.</p>
3	Construction Field Guides	<p>Provide the pollution prevention field guide to all newly identified regulated construction sites, provided the field guide is made available.</p> <p>Goal Not Met - Field Guides were provided to 16 out of 37 construction projects. The Storm Water Division provided remainder of field guides left over from 2020, then ordered additional guides. These guides were also provided. A second order was attempted, but the field guides were out of stock at NCTCOG.</p>
3	Training for Construction Inspections	<p>All new Storm Water staff will attend the NCTCOG Preventing Stormwater Pollution at Construction Sites workshop within one year of hire, provided the workshop is offered. Supervisor will evaluate the need for this training</p>

MCM	Measurable Goals	Explain progress toward goal or how goal was achieved. If goal was not accomplished, please explain.
		<p>annually.</p> <p>Goal Met - One inspector attended the Stormwater Pollution Prevention Practices During Construction for Field Inspectors workshop. A second inspector completed the Qualified Compliance Inspector of Stormwater program through StormwaterOne. The supervisor attended the Stormwater Pollution Prevention During Construction for Plan Reviewers workshop.</p>
3	Additional Inspector Training	<p>Storm Water staff will receive ongoing training at least once per permit term. This may be the NCTCOG workshop, the annual EPA MS4 Operators Conference, or other source of training that is available.</p> <p>In Progress - One inspector and the supervisor attended the 2021 EPA Region 6 Stormwater Conference. Additional training is only required once per permit term for each inspector.</p>
4	General Development Ordinance and Drainage Criteria	<p>Complete the update of the General Development Ordinance and Drainage Criteria with Post Construction requirements.</p> <p>In Progress - Final adoption of the updated General Development Ordinance and Drainage Criteria Manual is pending.</p>
4	Update Storm Water Ordinance	<p>Complete the update of the Storm Water Ordinance with post-construction requirements.</p> <p>In Progress - The General Development Ordinance and Drainage Criteria Manual need to be adopted before the Storm Water Ordinance can be updated.</p>
4	Develop Inspection and Enforcement Procedures	<p>Develop procedures to verify and enforce long term maintenance and recordkeeping requirements.</p> <p>In Progress - This activity can not be completed until Activity 4.1b is complete.</p>
4	Inventory of BMPs	<p>Create an inventory of new post-construction BMPs. Maintain records of all inspections and enforcement actions.</p>

MCM	Measurable Goals	Explain progress toward goal or how goal was achieved. If goal was not accomplished, please explain.
		In Progress - This activity can not be completed until Activity 4.1b is complete.
5	City Facility Inventory	<p>Create inventory of city facilities.</p> <p>Goal Met - There were 79 city facilities on the inventory at the end of 2021.</p>
5	Review and Update Inventory	<p>Review the city facility inventory for new additions or deletions and update annually.</p> <p>Goal Met - Two city facilities were added to the inventory in 2021. Thrive Recreation Center and Canoe and Kayak Launch. Memorial Park, Memorial Recreation Center and the Senior Center were removed from the inventory.</p>
5	Inventory of Stormwater Controls	<p>Create inventory of stormwater controls.</p> <p>Goal Met - There were 3 stormwater controls on the inventory at the end of 2021.</p>
5	Review Stormwater Control Inventory	<p>Review the inventory of stormwater controls for new additions or deletions and update annually.</p> <p>Goal Met - Three (3) stormwater controls were added to the inventory in 2021.</p>
5	Map Updates	<p>Update the stormwater map to include changes to city facilities and stormwater controls at least once per permit term.</p> <p>Goal Met - Two (2) new facilities were added to the map. Thrive Recreation Center and the Canoe and Kayak Launch.</p>
5	Employee Training	<p>Provide stormwater training to all Public Services and Parks and Recreation employees annually; maintain records of employee training.</p> <p>Goal Met - One hundred and thirty-four (134) employees received the annual training. The departments/divisions included ECS, Streets, ULM,</p>

MCM	Measurable Goals	Explain progress toward goal or how goal was achieved. If goal was not accomplished, please explain.
		Traffic, Utilities Maintenance, Facilities, Fleet, Meters, WWTP, WTP and Parks and Recreation.
5	Waste Disposal	<p>Dispose of all wastes removed from the storm sewer system in accordance with 30 TAC 330 (municipal solid wastes) or 335 (industrial solid wastes and municipal hazardous wastes) as applicable.</p> <p>Goal Met - One hundred and seventy-five (175) cubic yards of waste was disposed or recycled, as reported by Streets Division.</p>
5	Inventory of Service Contracts	<p>Create an inventory of municipal service contracts which required SOP compliance.</p> <p>Goal Met - Compiled a list of 21 municipal contracts held by Streets, Facilities, Fleet, Traffic, WWTP, WTP and Parks and Recreation.</p>
5	SOP Manuals	<p>Distribute municipal SOP manuals to all workgroups that are responsible for contract oversight.</p> <p>Goal Met - SOP manuals were provided to Streets, ULM, Traffic, Facilities, Fleet, WWTP, WTP, and Parks and Recreation.</p>
5	SOP Language in Bid Specs	<p>Add SOP compliance language to bid specs for all new municipal service contracts identified in the inventory.</p> <p>In progress - Coordinated with Purchasing to establish a process whereby the Pollution Prevention SOPs will be included in the bid specs for new service contracts.</p>
5	Enforcement of SOPs	<p>Contract administrators will address all noncompliance with the SOPs or contact the Storm Water Division for assistance.</p> <p>Goal Met - There have been no reports of issues with contractors complying with the SOPs.</p>
5	Assess City Facilities	<p>Conduct at least one assessment of each facility during the permit term. Maintain records of all facility assessments, including assessment form, results of assessment, identified deficiencies, and corrective actions.</p>

MCM	Measurable Goals	Explain progress toward goal or how goal was achieved. If goal was not accomplished, please explain.
		In progress - Four (4) facilities were assessed in 2021. Seven (7) facilities have been inspected since the beginning of the permit.
5	Inventory of High-Priority Facilities	Create in inventory of high-priority facilities. Goal Met - There were 4 high-priority facilities on the inventory in 2021.
5	Review and Update Inventory	Review the high-priority facility inventory for new additions and update annually. Goal Met - Zero (0) new high-priority facilities were added to the inventory in 2021.
5	Inspect High-Priority Facilities	Inspect Public Services/Parks maintenance yard and the HHW facility annually; remaining high priority facilities will be inspected every two years. Goal Met - All four existing high-priority facilities were inspected in 2021.
5	Inventory of Stormwater Controls	Create an inventory of stormwater controls at high-priority facilities. In Progress - There are currently no stormwater controls at high-priority facilities.
5	Review and Update Inventory	Review the stormwater control inventory for new additions and update annually. Goal Met - There were no new stormwater controls installed at high-priority facilities in 2021.
5	SOP Manuals	Distribute municipal SOP manuals to all workgroups that are responsible for municipal operations. Goal Met - SOP manuals have been provided to Streets, ULM, Traffic,

MCM	Measurable Goals	Explain progress toward goal or how goal was achieved. If goal was not accomplished, please explain.
		Facilities, Fleet, WWTP, WTP, and Parks and Recreation.
5	Review Municipal Operations	<p>Conduct one review of operation and maintenance activities (such as road and parking lot maintenance, bridge maintenance, cold weather operations, and right-of-way maintenance) during the permit term.</p> <p>In Progress - This activity is not yet due.</p>
5	Visual Inspections	<p>Visually inspect pollution prevention measures at city facilities.</p> <p>In Progress - This activity is not yet due.</p>
5	Revise SOPs	<p>Revise SOPs within one year of identifying deficiencies.</p> <p>In Progress - This activity is not yet due.</p>
5	Inventory of Structural Control Measures	<p>Create inventory of new city-owned water quality structural control measures.</p> <p>Goal Met - There were no structural control measures at city facilities prior to 2021.</p>
5	Review and Update Inventory	<p>Review and update the structural control inventory annually.</p> <p>In Progress - Three (3) new structural controls were added to the inventory.</p>
5	Inspect Structural Controls	<p>Conduct an inspection of each structural control at least once during the permit term. All maintenance will be performed in accordance with the integrated Stormwater Management (iSWM) specifications.</p> <p>In Progress - This activity is not yet due.</p>
5	Storm Sewer System Inspection	<p>Conduct video inspection of 10% of the storm sewer system per year. Initiate corrective action for problems within one month.</p> <p>Goal Met - The minimum 10% of the total storm sewer system was</p>

MCM	Measurable Goals	Explain progress toward goal or how goal was achieved. If goal was not accomplished, please explain.
		inspected in 2021, as reported by Streets Division.
5	Inspect Problem Areas	<p>Inspect the Drain List (problem areas comprising ~ 5% of the system) before each anticipated storm. Initiate corrective action for problems immediately.</p> <p>Goal Met - All areas of the drain list were inspected by Streets Division prior to an anticipated storm. Corrective actions were initiated for all deficiencies.</p>
5	Update list of Problem Areas	<p>Update list of problem areas annually.</p> <p>Goal Met - No changes were reported in 2021.</p>
5	Creek Channel Inspections	<p>Inspect all creek channels at least once per permit term.</p> <p>Goal Exceeded - All creek channels in the City's jurisdiction were inspected in 2021, as reported by Streets Division.</p>
5	Sweep Main Thoroughfares	<p>Sweep main thoroughfares six times per year.</p> <p>Goal Met - Main thoroughfares were swept six times in 2021.</p>
5	Sweep Residential Streets	<p>Sweep residential streets once per year.</p> <p>Goal Met - Residential streets were swept one time in 2021. Quantity of debris removed - 57 tons; Number of curb miles swept - 2,253 miles</p>
5	Evaluate Sweeping Program	<p>Evaluate street sweeping program once during the permit term.</p> <p>In Progress - This activity is not yet due.</p>

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.?

Voluntary monitoring consists of field screening and EPA 126 Priority Pollutant Scans plus TSS and Oil and Grease for background levels. Twenty-nine (29) dry weather screening samples were analyzed in accordance with established regional protocols in addition to 45 wet weather screening samples. Additional information pertaining to visual inspections, storm sewer system inspections and maintenance, illicit discharge investigations and street sweeping are detailed in Sections 3 and 4 of the annual report.

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.

Per the 2020 Texas 303(d) List of Impaired Waters, which was approved by EPA on May 12, 2020, the City of Lewisville MS4 does not directly discharge into any impaired surface water bodies. The City of Lewisville MS4 could potentially discharge, either directly or indirectly, into the classified segments 0823 (Lewisville Lake), 0822 (Elm Fork Trinity River), and 0825 (Denton Creek). None of these segments are currently listed as impaired. Per the I-Plan for Seventeen Total Maximum Daily Loads for Bacteria in the Greater Trinity River Region (adopted 12/11/2013), the City of Lewisville is not located within any of the designated TMDL watersheds.

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.

Not applicable

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

Not applicable

4. Report the benchmark identified by the MS4 and assessment activities:

Benchmark Parameter (Ex: Total Suspended Solids)	Benchmark Value	Description of additional sampling or other assessment activities	Year(s) conducted

5. Provide an analysis of how the selected BMPs will be effective in contributing to achieving the benchmark:

Benchmark Parameter	Selected BMP	Contributing to achieving Benchmark
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6. If applicable, report on focused BMPs to address impairment for bacteria:

Description of bacteria-focused BMP	Comments/Discussion
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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
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E. Stormwater Activities

Describe activities planned for the next reporting year:

MCM(s)	BMP	Stormwater Activity	Description/Comments
2	STORM WATER MANAGEMENT ORDINANCE	Evaluate Storm Water Ordinance	Evaluate the storm water ordinance once during the permit term to determine if it is adequate to effectively eliminate illicit discharges.
3	CONSTRUCTION SITE	Evaluate Storm Water Ordinance	Evaluate the storm water ordinance once during the permit term to determine if it is

MCM(s)	BMP	Stormwater Activity	Description/Comments
	INSPECTIONS AND ENFORCEMENT		adequate to effectively eliminate illicit discharges.
4	POST-CONSTRUCTION PROGRAM	General Development Ordinance and Drainage Criteria	Complete the update of the General Development Ordinance and Drainage Criteria with Post Construction requirements.
5	CITY-OWNED FACILITIES AND STORM WATER CONTROLS	Update Storm Water Ordinance	Complete the update of the Storm Water Ordinance with post-construction requirements.
5	MUNICIPAL EMPLOYEE TRAINING PROGRAM	Develop Inspection and Enforcement Procedures	Develop procedures to verify and enforce long term maintenance and recordkeeping requirements.
5	STORM SEWER SYSTEM WASTE DISPOSAL	Inventory of BMPs	Create an inventory of new post-construction BMPs. Maintain records of all inspections and enforcement actions.
5	CONTRACTOR REQUIREMENTS AND OVERSIGHT	SOP Language in Bid Specs	Add SOP compliance language to bid specs for all new municipal service contracts identified in the inventory.
5	FACILITY ASSESSMENT	Enforcement of SOPs	Contract administrators will address all noncompliance with the SOPs or contact the Storm Water Division for assistance.

F. SWMP Modifications

1. The SWMP and MCM implementation procedures are reviewed each year:

YES

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: NO

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.).

The City of Lewisville annexed a majority portion of the Castle Hills community on November 15, 2021. This annexation has resulted in the City of Lewisville urbanized area population increasing to approximately 131,000, which would make the City of Lewisville a Level 4 MS4. The City of Lewisville is currently conducting construction inspections, investigating reports of illicit discharges and conducting maintenance of stormwater infrastructure in the Castle Hills area. Stormwater infrastructure maps for Castle Hills exist. Staff will begin verifying the Castle Hills outfalls in Year 4. There are minimal city facilities in Castle Hills and those will be inventoried and added to the map in Year 4. Castle Hills residents are now eligible to participate in the household hazardous waste program as well. The City of Lewisville has had a dry weather field screening program in place since 2010. The Storm Water Division will begin working to address the new Level 4 requirements that City of Lewisville is now subject to. These new BMPs, measurable goals and dates will be reported in the Year 4 annual report.

G. Additional BMPs for TMDLs and I-Plans

Provide a description and schedule for implementations 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 - City of Lewisville is not currently subject to TMDL requirements.			

H. Additional Information

1. Is the permittee replying on another entity to satisfy any permit obligations?: **NO**

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

Name	Explanation
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2.a. Is permittee part of a group sharing a SWMP with other entities?: **NO**

2.b. Is this a system-wide annual report including information for all permittees?: **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
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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).

111

2.a. Does the Permittee utilize the optional seventh MCM related to construction?: **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

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): _____

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.