



MS4 Entity Information

MS4 Name: Lehi City Corporation

MS4 Operator: Lehi City Corporation

MS4 Class: Phase II: Small

Operator Type: Municipal

MS4 Entity Type: City

City: Lehi

County:

MS4 State/Territory: Utah

Designation Date: 04/16/2003

Designation Type: Automatic Nationwide

Population:

Source:

MS4 Identifier: MS4-UT-SM-MU-2003-0025

NPDES ID: UTR090038

MGP Number: UTR090000

Joint Coverage:

Description of Location:

MS4 Contact Information

MS4 Program Coordinator Information

First Name: Shelbey

Middle Initial: D

Last Name: Brewer

Title: Stormwater Management Engineer

Phone: 385-201-2435

Phone Ext:

Email: sbrewer@lehi-ut.gov

Programs: All correspondence

MS4 Mailing Address

Address Line 1: 2538 N 300 W

Address Line 2:

City: Lehi

State: Utah

ZIP/Postal Code: 84043

County or Similar Division:

Other Contacts

First Name: Dave

Middle Initial:

Last Name: Norman

Title: Public Works Director

Phone: 801-636-7209

Phone Ext:

Email: dnorman@lehi-ut.gov

Programs: MS4 Permit Compliance

Water Quality Priorities

Does your MS4 discharge to waters listed as impaired on the Utah 303(d) list? Yes

➤ Identify each impaired water, the impairment, whether a TMDL has been approved by EPA for each, and whether the TMDL assigns a wasteload allocation to your MS4.

| Impaired Water:                | Impairment:                                                                                                   | Approved TMDL: | TMDL assigns WLA to MS4: |
|--------------------------------|---------------------------------------------------------------------------------------------------------------|----------------|--------------------------|
| Utah Lake other than Provo Bay | Eutrophication, PCBs in Fish Tissue, E. coli, Harmful Algal Blooms, Phosphorous, Total Dissolved Solids (TDS) | No             | No                       |
| Jordan River-8                 | Total Dissolved Solids (TDS), Arsenic                                                                         | No             | No                       |
| Spring Creek-Lehi              | E. coli, Temperature, Dissolved Oxygen                                                                        | No             | No                       |

➤ What specific sources contributing to the impairment(s) are you targeting in your storm water program?

Sediment (specific to construction sites), and Nutrient Removal and Organic Matter (specific to parks and residential areas)

➤ Does your MS4 discharge to waters listed on the Utah 303(d) list as impaired for E. coli for which storm water is a contributing source per the Jordan River Watershed Wide E. coli TMDL? No

Do you discharge to any high-quality waters (e.g., Category 1, Category 3, outstanding natural resource waters, or other state or federal designation)? No

Are you implementing additional specific provisions to ensure their continued integrity? No

MCM1: Public Education and Outreach on Storm Water Impacts

Is your public education program targeting specific pollutants and sources of those pollutants? Yes

➤

What are the specific sources and/or pollutants addressed by your public education program?

Sediment, Organic Matter, Fertilizer. Nutrients from parks and residential areas. Leaf collection in the fall to reduce bio loading. Continuing to enforce construction inspections to limit sediment and related pollutants.

Note specific successful outcome(s) (e.g, quantified reduction in fertilizer use; NOT tasks, events, publications) fully or partially attributable to your public education program during this reporting period.

None that can be quantified

MCM2: Public Involvement and Participation

Do you have an advisory committee or other body comprised of the public and other stakeholders that provides regular input on your storm water program? No

Do you belong to a storm water coalition or other advisory committee? Yes

Describe:

Utah County Storm Water Coalition Support/Participation - Lehi City actively participates monetarily, on committees and attendance at periodically scheduled group meetings. A detailed list is available upon request, however, below is a partial list specific to participation and benefits from membership:

- 4th Grade Elementary School Education Program
- Organized training for contractors and City staff
- Offered RSI training
- County Fair Participation
- Distribution of educational materials
- Sharing of ordinances and specifications
- Preparation of Educational Fliers and brochures
- Educational Materials
- Providing education materials such as videos that are shared within the coalition

MCM3: Illicit Discharge Detection and Elimination

Have you completed a map of all outfalls and receiving waters of your storm sewer system? Yes

Have you completed a map of all storm drain pipes and other conveyances in the storm sewer system? Yes

Identify the number of outfalls in your storm sewer system: 113

Identify the number of Class V injection wells in your jurisdiction: 137

Do you have documented procedures, including frequency, for screening outfalls? Yes

Of the outfalls identified above, how many were screened for dry weather discharges during this reporting period? 112

Of the outfalls identified above, how many have been screened for dry weather discharges at any time since you obtained MS4 permit coverage? 113

What is your frequency for screening outfalls for illicit discharges? Describe any variation based on size/type.

Our intent is to complete at least 20% per year and 100% in 5 years. When possible, we inspect more frequently.

Do you have an ordinance or other regulatory mechanism that effectively prohibits illicit discharges? Yes

Please include code citation: Lehi, UT Code of Ordinances 9-3-6: Illicit Discharges

Do you have documented procedures (i.e., SOP or similar) for tracing and removing an illicit discharge? Yes

Do you have an ordinance or other regulatory mechanism that provides authority for you to take enforcement action and/or recover costs for addressing illicit discharges? Yes

During this reporting period, how many illicit discharges/illegal connections have you discovered? 15

Of those illicit discharges/illegal connections that have been discovered or reported, how many have been eliminated? 15

Identify which of the following types of enforcement actions you used during the reporting period for illicit discharges, indicate the number of actions, or note those for which you do not have authority:

Notices of violation: No

Administrative fines: No

Stop Work Orders: No

Civil Penalties: No

Criminal actions: No

Administrative orders: No

Other: Yes

Other: Written and verbal warning, requiring the violator to cease and remedy the illicit discharge or criminal citations will be issued.

Number of Actions: 4

How often do municipal employees receive training on the illicit discharge program?

annually

MCM4: Construction Site Storm Water Runoff Control



Do you have an ordinance or other regulatory mechanism stipulating:

Erosion, sediment, & waste control requirements consistent with CGP/CPP requirements? [Yes](#)

Requirement to obtain & maintain CGP/CPP coverage for the duration of the project? [Yes](#)

Requirement to submit construction plans and a SWPPP for review? [Yes](#)

MS4 enforcement authority? [Yes](#)

Do you have written procedures for:

Reviewing constructions plans? [Yes](#)

Performing inspections? [Yes](#)

Documenting escalating enforcement? [Yes](#)

What is the threshold for construction storm water plan review (e.g., all projects, projects disturbing greater than one acre, etc.)?

All construction sites greater than one acre are required to obtain CGP coverage, and all single family residential projects disturbing less than or equal one acre on a lot subdivided after 1992 are required to obtain CPP coverage.

Identify the number of active construction sites > 1 acre in operation in your jurisdiction at any time during the reporting period. [93](#)

How many of the sites identified above did you inspect during this reporting period? [93](#)

Identify the number of active construction sites < 1 acre and part of a common plan of development disturbing greater than an acre in operation in your jurisdiction at any time during the reporting period. [138](#)

How many of the sites identified above did you inspect during this reporting period? [138](#)

Describe, on average, the frequency with which your program conducts construction site inspections.

All sites are inspected at least monthly, and high priority sites are inspected every other week

Do you prioritize certain construction sites for more frequent inspections? [Yes](#)

➤ Based on what criteria?

The criteria listed on section 4.2.4.3.2 of UTR090000: soil erosion potential, site slope, project size and type, sensitivity of receiving waterbodies, proximity to receiving waterbodies, and non-storm water discharges and past record of non-compliance operators of the construction site.

Identify which of the following types of enforcement actions you used during the reporting period for construction activities, indicate the number of actions, or note those for which you do not have authority:

Notices of violation: [No](#)

Administrative fines: [No](#)

Stop Work Orders: [Yes](#)

➤ Number of Actions: [4](#)

Civil Penalties: [No](#)

Criminal actions: [No](#)

Administrative orders: [No](#)

Other: [Yes](#)

➤ Other: [Written Warning](#)

➤ Number of Actions: [38](#)

Do you use an electronic tool (e.g., GIS, database, spreadsheet) to track the locations, inspection results, and enforcement actions of active construction sites in your jurisdiction? [Yes](#)

What are the 3 most common types of violations documented during this reporting period?

Tracking sediment onto roadways, overflowing or improper concrete washouts, failure to conduct proper and thorough inspections

How often do municipal employees receive training on the construction program?

Annually

Are city-owned construction projects required to obtain CGP/CPP coverage & develop a SWPPP? [Yes](#)



Do you have an ordinance or other regulatory mechanism to require:

Post-construction storm water control selection, design, and installation per MS4 specifications to protect water quality? Yes

Long-term operation and maintenance of storm water management controls? Yes

Post-construction storm water management controls at redevelopment sites to protect water quality? Yes

If yes, what are the circumstances/criteria?

If a redevelopment project includes privately owned storm drainage systems or increases the impervious area by 10% or greater, they are required to develop a Stormwater System Operations and Maintenance Plan and meet all of the associated requirements.

What are your criteria for determining which new/re-development storm water plans you will review (e.g., all projects, projects disturbing greater than one acre, etc.)?

All projects are reviewed. The City requires a Long-Term Stormwater Management Agreement for all new private stormwater systems.

Do you require water quality and retention standards be met for new development and re-development sites? Yes

Do these performance or design standards require that the 80th percentile rainfall event or pre-development hydrology (whichever is less) be met for:

Flow volumes Yes

Peak discharge rates Yes

Discharge frequency Yes

Flow duration Yes

Please provide the URL/reference where all post-construction storm water management standards can be found.

<https://www.lehi-ut.gov/wp-content/uploads/2023/12/Lehi-City-Design-Standards-Public-Improvement-Specifications-1.pdf>

How many development and redevelopment project plans were reviewed during the reporting period to assess impacts to water quality and receiving stream protection? 334

How many of the plans identified above were approved? 233

How many privately owned permanent storm water management practices/facilities were inspected during the reporting period? 98

How many of the practices/facilities identified above were found to have inadequate maintenance? 5

How long do you give operators to remedy any operation and maintenance deficiencies identified during inspections?

We work with the owners to determine what timeframe they think they can accomplish it in, but typically 2 weeks.

Do you have authority to take enforcement action for failure to properly operate and maintain storm water practices/facilities? Yes

How many formal enforcement actions (i.e., more than a verbal or written warning) were taken for failure to adequately operate and/or maintain storm water management practices? 1

Do you use an electronic tool (e.g., GIS, database, spreadsheet) to track the locations, inspection results, and enforcement actions of post-construction BMPs, inspections and maintenance? Yes

Do all municipal departments and/or staff (as relevant) have access to this tracking system? Yes

How often do municipal employees receive training on the post-construction program?

Annually



Have storm water pollution prevention plans (SWPPP) been developed for:

All city owned/operated "High-Priority Facilities" Yes

➤ Is the SWPPP specific to each facility or site? Yes

➤ Does the SWPPP include the staff/facility contact information? Yes

➤ Does the SWPPP include all structural and non-structural control measures? Yes

➤ Does the SWPPP contain a map showing potential pollutants exposed to stormwater? Yes

➤ Does the SWPPP map the location of any receiving waters, inlets, outfalls, & conveyances? Yes

Are storm water inspections conducted at these facilities? Yes

➤ At what frequency are inspections conducted?

Monthly Visual Inspection, Semi-Annual Comprehensive Inspection, Annual Visual Observation of Storm Water Discharges.

List activities for which operating procedures or management practices specific to storm water management have been developed (e.g., road repairs, catch basin cleaning).

Catch Basin Cleaning, Creek Management, Detention Pond Cleaning, Ditch Management, Dry Weather Outfall Screening, Sump Cleaning, Transporting Dry & Wet Excavated Material, Transporting Soil and Grave, Vehicle Washing, Waterline Excavation Repair and Replacement, Waterline Flushing After Construction, Waterline Flushing for Routine Maintenance, Chemical Application Pesticides Herbicides Fertilize, Chip Seal, Cleaning Equipment, Concrete Work, Crack Seal, Curb Painting, Dumpster and Garbage Storage, Fueling Vehicles and Equipment, Lawn Care Mowing and Trimming, Lehi Street Sweeping, Open Space Management, Overlays and Patching, Parking Lot Maintenance, Pet Waste, Planting Vegetation (Seeds), Planting Vegetation (Starters), Pothole Repair, Salt Application and Storage, Shouldering and Mowing, Slurry Seal, Snow Removal and De-Icing, Spare Parts Storage, Transporting Equipment, Vehicle and Equipment Storage, Vehicle Maintenance, Swimming Pools and Spas Discharge

Do you prioritize certain municipal activities and/or facilities for more frequent inspection? No

How are you disposing of catch basin decant water and solid material?

Lehi City constructed a decant basin located at the Public Works Facility at 2538 North 300 West in Lehi City. The decant water is discharge to the sanitary sewer system and the solid material is stored in a drying bed before being hauled off to the Intermountain Regional Landfill.

Are municipal vehicles washed into an approved wastewater disposal system? Yes

Do all municipal employees and contractors overseeing planning and implementation of storm water-related activities receive comprehensive training on storm water management (including applicable municipal SOPs)? Yes

➤ Do you also provide regular updates and refreshers? Yes

➤ How frequently and/or under what circumstances?

Annually and within 60 days of hire.

Program Resources

Current MS4 Population:  91909

What was the annual expenditure to implement MS4 permit requirements this reporting period? 2103310

What is next year's budget for implementing the requirements of your MS4 UPDES permit? 3977313

This year what is/are your source(s) of funding for the storm water program, and annual revenue (amount or percentage) derived from each?

| Source:                 | Amount:        | Percentage: |
|-------------------------|----------------|-------------|
| <u>Storm Drain Fees</u> | <u>3011672</u> | <u>100</u>  |

How many FTEs does your municipality devote to the storm water program (specifically for implementing the storm water program; not municipal employees with other primary responsibilities)? 12

Do you share program implementation responsibilities with any other entities? Yes

| Entity:                                 | Activity/Task/Responsibility:    | Your Oversight/Accountability Mechanism: |
|-----------------------------------------|----------------------------------|------------------------------------------|
| <u>Utah County Stormwater Coalition</u> | <u>Public Education/Outreach</u> | <u>Agreements</u>                        |

Evaluating/Measuring Progress

What indicators do you use to evaluate the overall effectiveness of your storm water management program, how long have you been tracking them, and at what frequency? These are not measurable goals for individual management practices or tasks, but large-scale or long-term metrics for the overall program, such as macroinvertebrate community indices, measures of effective impervious cover in the watershed, indicators of in-stream hydrologic stability, etc.

| Indicator:                                        | Began Tracking (year): | Frequency:      | Number of Locations: |
|---------------------------------------------------|------------------------|-----------------|----------------------|
| <u>Street Sweeping (miles)</u>                    | <u>2018</u>            | <u>Monthly</u>  | <u>547</u>           |
| <u>Long Term Stormwater Management Plan Sites</u> | <u>2020</u>            | <u>Annually</u> | <u>497</u>           |

What environmental quality trends have you documented over the duration of your storm water program? Reports or summaries can be attached electronically below, or provide the URL to where they may be found on the Web.

None have been documented to date that I am aware of, although we have a representative on the Utah Lake Water Quality Study Board and we will be working with them and the Utah Lake Commission to try to find sites where we can assist in monitoring water quality as it discharges from the storm drain system into Utah Lake or the Jordan River

Use the space below as needed to attach reports or summaries of environmental quality trends:

Notes and Additional Information

Do you have any notes or additional information for your MS4? Yes

➤

Provide any additional information about your MS4 program:

4K. Lehi City uses "iWorQs" which is a data base software package being used city wide in all departments. Use of Collector and ArcGIS in collection and documenting the data. This has been working well along with the "ComplianceGo" software to organize and document site inspections and all specific project documents. The City plans to continue using this software which has been working well for record keeping and documentation purposes.

6A. Parks are covered under SOP's, where equipment is stored a SWMP is in place. Small construction projects are also covered under SOP's.

Use the space below as needed to attach files to your NOI:

No attachments provided.

Certification Information

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 gathered and evaluated the information submitted. Based upon my inquiry of the person(s) directly responsible for gathering the information, the information submitted is, to the best of my knowledge, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of a fine and imprisonment for willful violations.

Certified By: Dave Norman

Certifier Title:

Certifier Email: dnorman@lehi-ut.gov

Certified On: 09/16/2024 3:52 PM ET