

LEHI CITY
Permit Number UTR090038

STORM WATER MANAGEMENT PROGRAM
For the permit period of May 12th, 2026 to May 11th, 2031

Submitted to:
State of Utah
Department of Environmental Quality
Division of Water Quality

Submitted by:
Lehi City
Public Works Department
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Submitted
July 29th, 2026

SIGNATORY PAGE

Governmental Entity Name: Lehi City **Permit Number:** UTR090038

Mailing Address: 153 North 100 East

City: Lehi **State:** Utah **Zip Code:** 84043

Storm Water Management Program Responsible Person(s):

Name: Dave Norman **Title:** Public Works Director

Telephone Number: 385-201-1700

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 gather and evaluate 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., I certify that 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.”

Print Name: Dave Norman

Signature:  _____ **Date:** 08/31/2026

Title: Public Works Director

Duly Authorized Position(s):

“Letter already on file with the Division of Water Quality, Storm Water Section, identifying the Water Director as having the authority to sign this and future documents pertaining to the UPDES Permit Program.”

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EXECUTIVE SUMMARY

The City of Lehi is permitted under the Utah Pollution Discharge Elimination System (UPDES) to discharge storm water from its boundaries to the waters of the United States under the Clean Water Act as amended by the Federal Water Pollution Control Act. Under the municipal separate storm sewer system (MS4) permit UTR090000, Lehi City is required to prepare, implement, and continue implementing a storm water management program (SWMP) with the goal of reducing storm water pollutants from the MS4 community. As required by the MS4 permit, the SWMP focuses on six minimum control measures (MCMs):

1. Public Education and Outreach on Storm Water Impacts,
2. Public Involvement/Participation,
3. Illicit Discharge Detection and Elimination (IDDE),
4. Construction Site Storm Water Runoff Control,
5. Long-Term Storm Water Management in New Development and Redevelopment (Post-Construction Storm Water Management),
6. Pollution Prevention and Good Housekeeping for Municipal Operations.

Best management practices (BMPs) have been developed to meet the MCMs included in the permit over the last several years and updated for this submittal. Each BMP contains the following information: a brief description of the BMP; the permit reference satisfied by the BMP; the desired results of the BMP; the pollutants targeted by the BMP; the target audience of the BMP (if applicable); the agents in the City responsible for implementing the BMP; the measurable goals of the BMP, the measure of success for the BMP; and milestones for implementing the BMP.

Under the permit, compliance is mandatory for Lehi City. The permit requires the City to provide the manpower, funding, and equipment necessary (UTR090000 Section 4.1.2.2). Non-compliance with the permit includes the following possible penalties:

- Revocation of the permit and ability to discharge storm water without fines to the MS4.
- Agency fines on a per infraction/per day event.
- Individuals who violate permit implementing provisions are subject to fines not to exceed \$10,000 per day of such violation (UTR090000 Section 6.2).

1.0 INTRODUCTION

Lehi City has prepared this Storm Water Management Program (SWMP) plan as required by UTR090000 published by the Utah Department of Environmental Quality, Division of Water Quality. This permit was issued to municipal separate storm sewer system (MS4) cities as required by the Utah Water Quality Act, Title 19, Chapter 5 of the Utah Code Annotated as amended and the rules and regulations made pursuant to those statutes. This SWMP is also compliant with the requirement of the Federal Water Pollution Control Act (33 U.S.C. §§ 1251 et. Seq. as amended to date).

Lehi City is the northernmost community in Utah County. The City is a Phase 2 community with a current population of approximately 75,907 as of the 2020 Census. It is part of the Greater Provo-Orem Metropolitan area neighboring Bluffdale, Highland, Cedar Hills, American Fork, and Saratoga Springs, with Utah Lake to the South and the Jordan River running through the West side of the City. Originally a farming community, the City is now a commercial and technological center for Utah County and is one of the fastest growing metropolitan areas in the State. The City population has grown by over 60% since the 2010 Census and averages over 3% annually. As a result, residential, industrial, and commercial development is occurring rapidly. When development occurs, there is an increase in impervious surfaces (surfaces that don't absorb or infiltrate water). This reduces the area where rainfall and snowmelt can infiltrate into the soil, which results in an increase in the amount of storm water runoff that Lehi City must manage.

This increased runoff has the potential to collect and convey contaminants such as sediment, fertilizer, organic matter, and oils. The dense vegetation typically associated with agricultural land acts as a natural filter to remove pollutants from storm water runoff. As these agricultural lands are replaced with asphalt, concrete, roof tops, and landscaping, many of these natural treatment capabilities have historically been replaced with direct discharge pipes leading to ditches, rivers, streams, wetlands, and lakes. In these systems there are no controls in place to treat polluted storm water runoff, and it can flow directly into local waterbodies. Polluted runoff degrades the quality of the receiving water, impacting aquatic life and dependent ecosystems.

Lehi City has updated and amended its SWMP with the goal of reducing stormwater pollution within the City as well as achieving better compliance with the requirements of UTR090000. This document has been organized to facilitate this effort and follows the numbering of the permit.

2.0 STORM WATER MANAGEMENT PROGRAM REQUIREMENTS

2.2 Requirements for Renewal Permittees

Lehi City will submit this revised SWMP to the Director within 180 days of the effective date of UTR09000.

- Lehi City's MS4 Permit Number is UTR090038.
- Lehi City is located in northern Utah County, north of Utah Lake. It is surrounded by Saratoga Springs, Bluffdale, Highland, Cedar Hills, and American Fork, and is bisected by Interstate-15, the major north/south highway in the State. A map of Lehi is shown in Figure 2-1
- Lehi City's storm water management program organization chart is shown in Figure 2-2.
- The previous SWMP Plan used a table to list how each section of the permit would be addressed. This updated SWMP Plan uses BMPs to address the permit requirements.
- Each BMP contains the following information:
 - A description of the BMP
 - The permit reference(s) satisfied by the BMP
 - The desired results of the BMP
 - The pollutants addressed by the BMP
 - The intended audience of the BMP (if applicable)
 - The agents in the City responsible for implementing the BMP
 - The measurable goal of the BMP
 - Description of how the success of the BMP will be measured
 - Milestones for meeting the goals of the BMP

2.3 Notice of Intent Contents and Submittal

Lehi City will submit an NOI renewal within 180 days of the effective date of the permit.

Figure 2-1

Lehi City Boundary

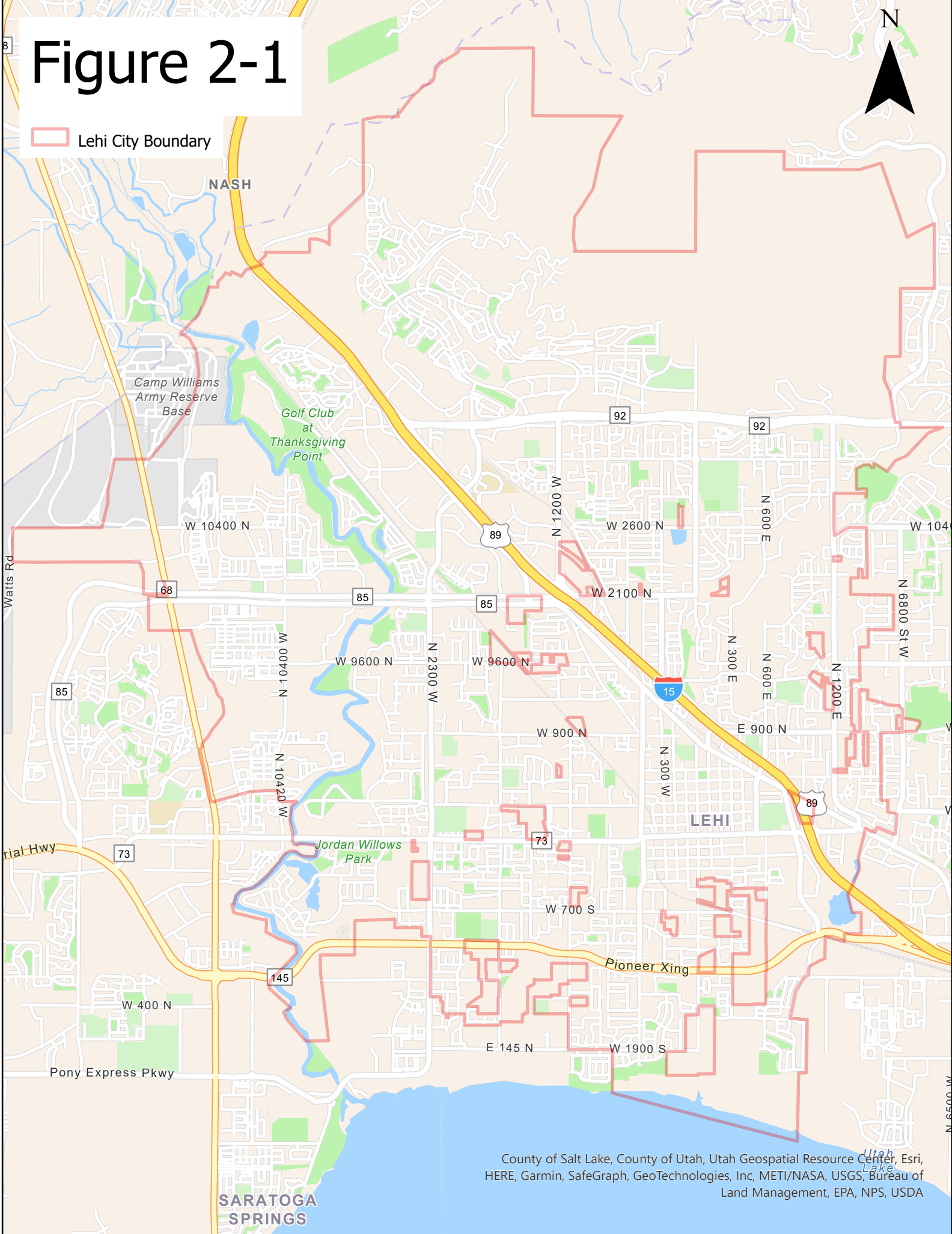
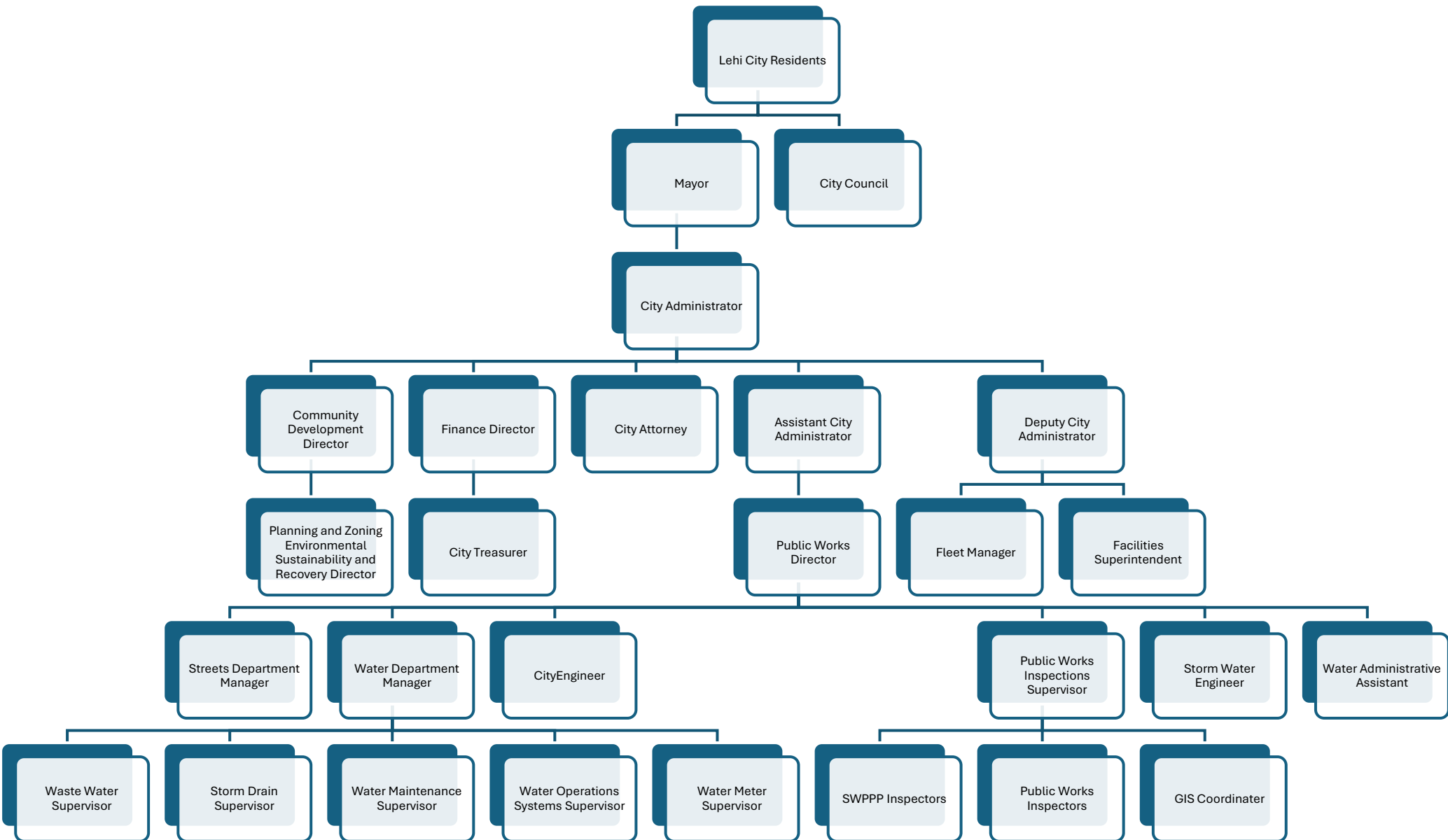


Figure 2-2: Lehi City Organizational Chart



Names of Staff Listed in Organization Chart:

City Council: Rachel Freeman, James Harrison, Emily Lockhart, Heather Newall, Michelle Stallings

Mayor: Paul Binns

City Administrator: Jason Walker

Deputy City Administrator: Beau Thomas

Facilities Superintendent: Steve Marchbanks

Fleet Manager: Jeremy Estes

Assistant City Administrator: Cameron Boyle

Public Works Director: Dave Norman

Water Administrative Assistant: Stephanie Stratford

Storm Water Engineer: Shelby Brewer

Public Works Inspections Supervisor: Ryan Allred

GIS Coordinator: Jeremy Saldivar

Public Works Inspectors: Chase Jacobson, Dallas Nielson, Troy Simmons, Daniel Hadlock, Greg Soper

SWPPP Inspectors: Daniel Hadlock, Greg Soper

Water Department Manager: Greg Allred

Water Meter Supervisor: Thomas Beveridge

Water Operations Systems Supervisor: Matt Dalton

Water Maintenance Supervisor: Jason Beal

Storm Drain Supervisor: Kade Evans

Waste Water Supervisor: Weston Winters

Streets Department Manager: Brad Benson

City Attorney: Ryan Wood

Finance Director: Dean Lundell

City Treasurer: Alyson Alger

City Engineer: Brad Kenison

Community Development Director: Kim Struthers

Planning and Zoning Environmental Sustainability and Recovery Director: Todd Munger

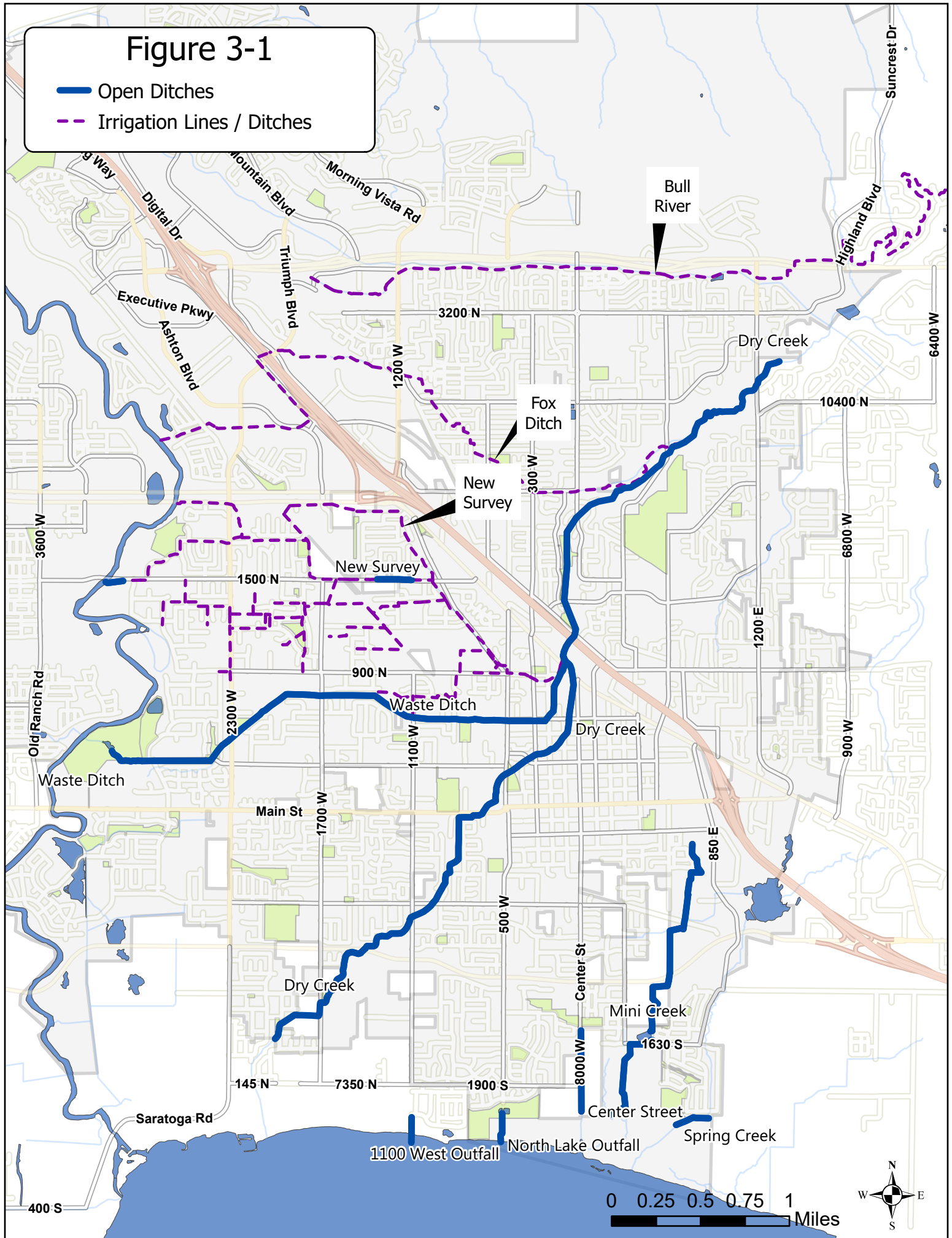
3.0 SPECIAL CONDITIONS

3.1 Discharges to Water Quality Impaired Waters

Lehi City has a major drainage feature (Dry Creek) which collects runoff from upstream mountain watersheds and other municipalities and conveys it through the City. The City also discharges storm water runoff into several other drainage features within the City such as: Waste Ditch, Spring Creek, Cedar Hollow, Fox Ditch, Bull River Ditch, Mini Creek, Dry Creek Reservoir, and Mill Pond which collect and convey runoff to both the Jordan River and Utah Lake. Existing City storm drainage facilities include open channels/ditches, detention facilities, and storm drain pipe systems. Lehi City's major drainage facilities are shown in Figure 3-1.

Figure 3-1

- Open Ditches
- Irrigation Lines / Ditches



An impaired water is any segment of surface water that has been identified by the UDEQ as failing to support one or more of its designated uses. Table 3-1 shows a summary of 303(d) listed waters of the state that receive storm water discharges from Lehi City.

Table 3-1: Summary of 303(d) Listed Waters of the State

Water Body	Assessment Unit ID	Assessment Unit Description	Pollutant
Jordan River	UT16020201-008_00	Jordan River from Narrows to Utah Lake	Arsenic
Jordan River	UT16020201-008_00	Jordan River from Narrows to Utah Lake	Total Dissolved Solids (TDS)
Spring Creek	UT16020201-009_00	Spring Creek and tributaries from Utah Lake near Lehi to headquarters	E. coli
Spring Creek	UT16020201-009_00	Spring Creek and tributaries from Utah Lake near Lehi to headquarters	Temperature
Spring Creek	UT16020201-009_00	Spring Creek and tributaries from Utah Lake near Lehi to headquarters	Dissolved Oxygen
Utah Lake	UT-L-16020201-004_01	Utah Lake other than Provo Bay	Eutrophication
Utah Lake	UT-L-16020201-004_01	Utah Lake other than Provo Bay	PCBs in Fish Tissue
Utah Lake	UT-L-16020201-004_01	Utah Lake other than Provo Bay	E. coli
Utah Lake	UT-L-16020201-004_01	Utah Lake other than Provo Bay	Harmful Algal Blooms
Utah Lake	UT-L-16020201-004_01	Utah Lake other than Provo Bay	Phosphorus
Utah Lake	UT-L-16020201-004_01	Utah Lake other than Provo Bay	Total Dissolved Solids (TDS)

The reduction of these pollutants is a priority in all BMPs, but they will be specifically addressed in the BMPs listed in MCM 1: Public Education and Outreach on Storm Water Impacts.

According to the UDEQ Beneficial Uses and Water Quality Assessment Map, there are no approved TMDLs for any of these water bodies. Lehi City will comply with any TMDLs that are developed and approved in the future.

3.2 Jordan River Watershed Wide *Escherichia coli* (*E. coli*) TMDL

UDWQ requires permittees that 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* to update their SWMP, develop a TMDL Compliance Plan, identify potential sources of *E. coli* in the MS4, create a plan to reduce potential sources of *E. coli*, and report on their TMDL compliance in the annual report.

Lehi City discharges stormwater to Jordan River-8, which is impaired for arsenic and total dissolved solids (TDS). *E. coli* is not an impairment in this section of Jordan River. Lehi City is not subject to the requirements listed in UTR090000 permit part 3.2.

3.3 Nitrogen and Phosphorus Reduction

The UDWQ has identified Utah Lake as impaired for both phosphorus and nitrogen. The lake commonly experiences harmful algal blooms and has been scrutinized for water quality for many years. As part of the Utah Lake Water Quality Management Plan, a detailed implementation plan is being established to reduce phosphorus and nitrogen in Utah Lake. As part of that plan, efforts to reduce discharges of both phosphorus and nitrogen from point sources and UPDES permit holders will be a focus. The reduction of nitrogen and phosphorus will be addressed in all BMPs, but a special focus will be given in the following BMPs:

BMP 04: Residential Newsletter

BMP 05: Lehi Utility Festival

BMP 06: Lehi City Storm Water Website

BMP 07: Utah County Storm Water Coalition (UCSWC)

3.4 Co-Permittees

While UDOT has a UPDES Permit which includes state-owned right-of-way within the City boundaries, Lehi City is not filing for Co-Permittee status.

4.0 STORM WATER MANAGEMENT PROGRAM

Lehi City continues to implement their existing SWMP with the intent of reducing the discharge of pollutants from the MS4. Lehi City's SWMP includes BMPs for all six of the MCMs defined in the MS4 permit.

4.1 Requirements

Lehi City has compiled BMPs to address administrative requirements as well as the six MCMs listed in the permit. The following BMPs will be used to meet the administrative requirements:

BMP 01: Annual SWMP Plan Review

BMP 02: Submission of Annual Report

BMP 03: Documentation

4.2 Minimum Control Measures

MCM 1: Public Education and Outreach on Storm Water Impacts

The purpose of MCM #1 is to reduce negative impacts on water quality due to storm water discharges by utilizing public education and outreach to target the audiences and pollutants listed in Tables 4-1 through 4-4. BMPs will provide information to the four designated audiences on methods for avoiding, reducing, and/or eliminating the adverse impacts of storm water discharges from the pollutants related to each audience. Outreach methods will be prioritized to educate targeted sources that are likely to result in a reduction of nitrogen and phosphorus, as well as pollutants of concern in the 303(d) listed waters that Lehi City discharges to. The following BMPs will be used to implement Lehi City's Public Education and Outreach program:

BMP 04: Residential Newsletter

BMP 05: Lehi Utility Festival

BMP 06: Lehi City Storm Water Website

BMP 07: Utah County Storm Water Coalition (UCSWC)

Table 4-1: Residents

Pollutant	Source
Nitrogen and Phosphorus	Pet wastes, fertilizers, organic wastes like lawn clippings and yard wastes
Pathogens, E. Coli, Total Coliforms	Pet wastes, septic tank maintenance or removal

Petroleum Products	Vehicle storage and maintenance
Toxins	Household hazardous wastes, pesticides, herbicides
Total Dissolved Solids	De-icing salts

Table 4-2: Institutions, Industrial, and Commercial Facilities

Pollutant	Source
Nitrogen and Phosphorus	Fertilizers, organic wastes like lawn clippings and yard wastes
Petroleum Products	Vehicle and equipment storage and maintenance
Toxins	Hazardous wastes storage and disposal, pesticides, herbicides
Total Dissolved Solids	De-icing salts

Table 4-3: Developers and Contractors (Construction)

Pollutant	Source
Nitrogen and Phosphorus	Fertilizers, organic wastes like lawn clippings and yard wastes
Petroleum Products	Refueling, vehicle and equipment storage and maintenance
Toxins	Hazardous waste storage and disposal, concrete washout, pesticides, herbicides
Total Dissolved Solids	De-icing salts
Total Suspended Solids, Sediments	Erosion, dust, vehicle tracking, scouring, etc.

Table 4-4: MS4-Owned or Operated Facilities

Pollutant	Source
Nitrogen and Phosphorus	Pet wastes, fertilizers, organic wastes like grass clippings
Pathogens, E. Coli, Total Coliforms	Pet wastes, sanitary system overflows, etc.
Petroleum Products	Refueling, vehicle and equipment storage and maintenance
Toxins	Hazardous wastes storage and disposal, concrete washout, pesticides, herbicides
Total Dissolved Solids	De-icing salts, road salt
Total Suspended Solids, Sediments	Erosion, dust, road dust, scouring, etc.

MCM 2: Public Involvement/Participation

The goal of MCM #2 is to involve the public in the development, implementation, and update of the SWMP document, including the development and adoption of all required ordinances and regulatory mechanisms. The following BMP will be used to implement Lehi City's Public Involvement/Participation program:

BMP 08: Beautify Lehi Month

BMP 09: Public Involvement

MCM 3: Illicit Discharge Detection and Elimination (IDDE)

The goal of MCM #3 is to find and eliminate sources of non-stormwater discharges from Lehi City and implement defined procedures to prevent illicit connections and discharges. The following BMPs will be used to implement Lehi City's IDDE program:

BMP 10: MS4 Map

BMP 11: Illicit Discharge Detection and Elimination Ordinance

BMP 12: IDDE Plan

BMP 13: IDDE SOPs

BMP 14: IDDE Training

MCM 4: Construction Site Storm Water Runoff Control

The goal of MCM #4 is to reduce pollutants in storm water runoff from construction sites within Lehi City. Lehi City will require construction sites with a land disturbance of greater than or equal to one acre, including projects less than one acre that are part of a larger common plan of development or sale which collectively disturbs land greater than or equal to one acre, to follow these requirements. This will be applied to public and private projects, including projects proposed by Lehi City's own departments and agencies. The following BMPs will be used to implement Lehi City's Construction Site Storm Water Runoff Control program:

BMP 15: Construction Runoff Control Ordinances

BMP 16: Enforcement Strategy

BMP 17: Pre Construction SWPPP Review

BMP 18: Construction Storm Water Runoff Control Inspection Program

BMP 19: Construction Storm Water Training

MCM 5: Long-Term Storm Water Management in New Development and Redevelopment (Post-Construction Storm Water Management)

MCM #5 is intended to ensure that stormwater runoff from newly developed or redeveloped sites will continue to be managed once construction is completed. The following BMPs will be used to implement Lehi City's Long-Term Post-Construction Storm Water Management Program:

BMP 20: Post Construction Storm Water Management

BMP 21: Long-Term Post-Construction Storm Water Control Regulatory Mechanism

BMP 22: Post-Construction Structural Storm Water Control Review and Inventory

BMP 23: Post-Construction Storm Water Management Inspections

BMP 24: Storm Water Management Inspector Training

MCM 6: Pollution Prevention and Good Housekeeping for Municipal Operations

The purpose of MCM #6 is to create a program that Lehi City can use to manage storm water runoff at their own facilities. The City will strive to set an example for others by complying with the same standards. The following BMPs will be used to implement Lehi City's Pollution Prevention and Good Housekeeping in Municipal Operations program:

BMP 25: Priority City Facility Identification

BMP 26: High Priority MS4 Facility Inspections

BMP 27: Operations and Maintenance SOPs

BMP 28: Floor Drain Inventory

BMP 29: Flood Management Control Assessment

BMP 30: Retrofit Plan for Existing City Owned or Operated Sites

BMP 31: MS4 Pollution Prevention and Good Housekeeping Training

BMP 01: ANNUAL SWMP PLAN REVIEW

Description: Lehi City will review this SWMP annually in conjunction with preparation of the annual report. The Director will be notified in writing if the SWMP is updated as part of this review process. Revisions to the SWMP will not reduce or replace any component, control, requirement, or BMP unless it is found to be ineffective or infeasible, in which case Lehi City will document the BMP's ineffectiveness or infeasibility and will replace it with an alternative BMP. Lehi City will not implement revisions until written approval has been received from the Director. Lehi City acknowledges that the Director may require revisions to the SWMP to address impacts on receiving water quality caused or contributed to by discharges from the MS4, include more stringent requirements necessary to comply with new Federal regulatory requirements, or include other conditions deemed necessary by the Director to comply with the goals and requirements of the Clean Water Act.

Permit Reference: 4.4.1, 4.4.2, 4.4.2.1, 4.4.2.2, 4.4.2.2.1, 4.4.3, 4.4.4, 4.4.4.1, 4.4.4.2, 4.4.4.3

Desired Results: Provide a regular review process to evaluate the effectiveness of the SWMP and revise it as necessary.

Responsible Agents in City: Storm Water Engineer, Public Works Director, Water Department Manager, Streets Department Manager, Parks and Facilities Manager, Storm Drain Supervisor, Waste Water Supervisor, Water Operations Systems Supervisor

Measurable Goal: The Storm Water Engineer will review the SWMP and related documents by October 1st of each year. If revisions are necessary, the Storm Water Engineer will work with the applicable department heads to update the SWMP. The Storm Water Engineer will document the review process and any SWMP revisions in the Lehi City SWMP ComplianceGo site created for the purpose.

BMP 02: SUBMISSION OF ANNUAL REPORT

Description: Lehi City will prepare and submit an annual report to the Utah Division of Water Quality (DWQ) by October 1st of each year. After the annual report is submitted, it will be made publicly available on the Lehi City Stormwater website.

Permit Reference: 5.5.1, 5.5.2, 5.5.3, 5.5.4

Desired Results: Submit the annual report in accordance with permit part 5.5

Responsible Agents in City: Storm Water Engineer, Public Works Director

Measurable Goal: The Storm Water Engineer and Public Works Director will submit the annual report by October 1st of each year. The Storm Water Engineer will post the annual report to the Lehi Storm Water website by November 1st of each year.

BMP 03: DOCUMENTATION

Description: To have the information necessary for the annual report, Lehi City has an ongoing documentation process for the implementation of the SWMP. Each component of the SWMP, e.g., the number of inspections performed, official enforcement actions taken, types of public education activities are tracked and recorded. Lehi City documents annual capital and operation and maintenance expenditures needed, allocated, and spent as well as the staff and resources needed to meet the requirements of the SWMP.

Permit Reference: 4.1.2, 4.1.2.1, 4.1.2.2, 4.1.2.3, 5.4.1, 5.4.4

Desired Results: Maintain and organize a digital storage system that allows for the convenient storage and relocation of information to facilitate the preparation of metrics, annual planning, annual reports, internal audits, and DWQ audits or other requests.

Responsible Agents in City: Storm Water Engineer, SWPP Inspectors, City Treasurer

Measurable Goal: The Storm Water Engineer and SWPPP Inspectors will record inspections and official enforcement actions using ComplianceGo. The City Treasurer will keep record of annual expenditures and staff. The Storm Water Engineer will store education and outreach activities, SOPs, staff training, and other records in their applicable folders on the X drive. All records will be kept for at least 5 years.

BMP 04: RESIDENTIAL NEWSLETTER

Description: Lehi City puts together a monthly newsletter that is mailed to residents and businesses in Lehi that have elected to receive a physical statement of their utility bill. The newsletter is also posted on the city website. In the past, Lehi included a section on lawn care in the spring and leaf disposal in the fall to provide public education on the impacts these can have on water quality. Going forward, Lehi City will include a stormwater education section in the newsletter every month. It will feature stormwater pollution prevention topics most relevant to the time of year, such as lawn care in the spring, proper disposal of swimming pool water in the late summer, etc. Over the entire year it will cover all topics listed in permit parts 4.2.1.2.1 and 4.2.1.3.1 as well as other topics relevant to the city.

Permit Reference: 4.2.1.1, 4.2.1.2, 4.2.1.2.1, 4.2.1.3, 4.2.1.3.1

Desired Results: Promote behavior change by the public to reduce water quality impacts associated with pollutants in storm water runoff.

Justification: The utility mailer is a consistent way to reach many of Lehi's residents and businesses

Pollutants: Pollutants listed in Table 4-1

Audience: General Public; Institutions, Industrial, and Commercial Facilities

Responsible Agents in City: Storm Water Engineer, Communications Department, Billing Department

Measurable Goal: The Storm Water Engineer will provide the Communications Department with the storm water topics to be covered each month of the year. Over a 12-month period it will cover all topics listed in permit part 4.2.1.2.1. The Communications Department will include the stormwater topics in the newsletter, and the Billing Department will send out the newsletter. The Storm Water Engineer will record the date each monthly newsletter is sent out, the topics covered, and the number of people it was sent to.

BMP 05: LEHI UTILITY EXPO

Description: The Lehi Storm Drain Department runs a booth at the Lehi Utility Expo. Members of the storm drain department educate festival attendees on the importance of storm water pollution prevention and distribute stormwater swag items. It also provides residents with an opportunity to meet our storm drain crew and learn about their work. The festival is usually held in late April.

Permit Reference: 4.2.1.1, 4.2.1.2, 4.2.1.2.1

Desired Results: Promote behavior change by the public to reduce water quality impacts associated with pollutants in storm water runoff.

Justification: Residents at an expo may respond with more interest and curiosity to storm water education in the format of a booth at a city event than they would to an insert in their utility mailer.

Pollutants: Pollutants listed in Table 4-1

Audience: General Public

Responsible Agents in City: Storm Drain Department, Storm Water Engineer

Measurable Goal: The Storm Drain Department will document the results of their booth after utility fest each year and give the record to the Storm Water Engineer.

BMP 06: LEHI CITY STORM WATER WEBSITE

Description: Lehi City maintains a Storm Water Website that contains educational materials targeted at the following audiences: the general public; institutions, industrial, and commercial facilities; and engineers, construction contractors, developers, development review staff, and land use planners. The material targeted at the general public covers the following topics: maintenance of septic systems; effects of outdoor activities such as lawn care (use of pesticides, herbicides, and fertilizers); benefits of onsite infiltration of stormwater; effects of automotive work and car washing on water quality; proper disposal of swimming pool water; and proper management of pet waste. The material targeted at institutions, industrial, and commercial facilities covers the following topics: proper lawn maintenance (use of pesticides, herbicides, and fertilizer); benefits of appropriate onsite infiltration of storm water; building and equipment maintenance (proper management of waste water); use of salt or other deicing materials (cover/prevent runoff to storm system and contamination to ground water); proper storage of materials (emphasize pollution prevention); and proper management of parking lot surfaces. The material targeted at construction engineers, contractors, developers, development review staff and land use planners covers the following topics: Lehi City SWPPP approval process, resources for developing a SWPPP, Lehi Electronic Inspection Agreement, Lehi SWPPP BMP Manual, and a link to UDEQ's General Construction (Storm Water) website.

Permit Reference: 4.2.1.1, .4.2.1.2, 4.2.1.2.1, 4.2.1.3, 4.2.1.3.1, 4.2.1.4

Desired Results: Promote behavior change by the public to reduce water quality impacts associated with pollutants in storm water runoff.

Justification: The utility mailer can only contain a limited amount of information and can only be sent to individuals who opt in to being sent the newsletter. The city website makes it possible to make more educational content available to a broader audience.

Pollutants: Pollutants listed in Tables 4-1 through 4-3

Audience: General public; institutions, industrial, and commercial facilities; construction engineers, contractors, developers, development review staff, and land use planners.

Responsible Agents in City: Storm Water Engineer, Communications Department.

Measurable Goal: The Storm Water Engineer will review content available on the Lehi Storm Water Website by October 1st of each year. The review process and any revisions will be documented in the Lehi City SWMP ComplianceGo site created for the purpose.

BMP 07: UTAH COUNTY STORM WATER COALITION (UCSWC)

Description: Lehi City is a member of the Utah County Storm Water Coalition (UCSWC), a group of municipalities in Utah County with the goal of enhancing public knowledge and awareness of stormwater pollution. UCSWC holds monthly meetings that provide members with education on various stormwater topics and give them the opportunity to discuss stormwater issues with representatives from other nearby municipalities. UCSWC provides participating municipalities with stormwater educational swag items to distribute to residents. UCSWC also sends representatives to local elementary schools to educate children on the importance of stormwater pollution prevention. UCSWC also holds an annual stormwater training event that is targeted at Construction Engineers, Contractors, Developers, Development Review Staff, and Land Use Planners, covering various storm water topics including those listed in permit part 4.2.1.4.

Permit Reference: 4.2.1.1, 4.2.1.2, 4.2.1.2.1, 4.2.1.3, 4.2.1.3.1, 4.2.1.4

Desired Results: Promote behavior change by the public to reduce water quality impacts associated with pollutants in storm water runoff.

Justification: UCSWC has greater resources and can reach a broader audience than Lehi City. By being a member of UCSWC, Lehi city enhances its ability to educate the public about storm water pollution.

Pollutants: Pollutants listed in Tables 4-1 through 4-3

Audience: General Public; Institutions, Industrial, and Commercial Facilities; Construction Engineers, Contractors, Developers, Development Review Staff, and Land Use Planners.

Responsible Agents in City: Storm Water Engineer, Public Works Director.

Measurable Goal: The Public Works Director will make sure that UCSWC annual fees are paid. The Storm Water Engineer will participate in UCSWC meeting and record their attendance. UCSWC will provide the Storm Water Engineer with attendance records from their elementary school education program and annual stormwater training event.

BMP 08: BEAUTIFY LEHI MONTH

Description: Lehi City runs a program called Beautify Lehi Month in May of each year. The city delivers dumpsters to neighborhoods for waste collection and sponsors volunteer clean-up projects for resident groups to participate in. Residents are notified via postcards and social media. Lehi Public Works will participate each year and provide an opportunity for residents to participate in street and trash cleanup or other activities relating to storm water quality.

Permit Reference: 4.2.2

Desired Results: Provide opportunities for public involvement and participation in the implementation of the SWMP.

Responsible Agents in City: Environmental Sustainability and Recovery Director, Storm Water Engineer, Public Works Director

Measurable Goal: The Storm Water Engineer and Public Works Director will coordinate with the Environmental Sustainability and Recovery Director to plan a cleanup project relating to storm water quality each year as a part of Beautify Lehi Month. The Storm Water Engineer will document the date, cleanup project, and number of participants.

BMP 09: PUBLIC INVOLVEMENT

Description: All updates to the SWMP are reviewed by the Development Review Committee, then Planning Commission, and finally City Council. Both the Planning Commission and City Council are made up of publicly elected officials, and their meetings are open to public comments. This process makes the SWMP available to the public for review and input prior to submission to the Division. Once City Council has given approval for the SWMP, the Public Works Director signs it, and it is submitted to the Division. Following this, the SWMP is made available on the City Storm Water website with a specific contact person to allow public input.

Permit Reference: 4.2.2, 4.2.2.1, 4.2.2.2, 4.2.2.3

Desired Results: Provide opportunities for public involvement and participation in the development of the SWMP.

Responsible Agents in City: Storm Water Engineer, Development Review Committee, Planning Commission, City Council, Public Works Director

Measurable Goal: The Storm Water Engineer will post the latest version of the SWMP on the Lehi Storm Water Website within 180 days of the effective date of the Small MS4 Permit. If the SWMP is updated within the life of the permit, the updated SWMP will be posted following submission to the Division.

BMP 10: MS4 MAP

Description: Lehi City maintains a current GIS-based map of the storm sewer system showing the locations of all outfalls to the waters of the U.S. with layers for inlets, pipes, channels, manholes, outfalls, detention ponds, treatment systems, rivers, and streams with their associated names, as well as associated information on ownership.

Permit Reference: 4.2.3.1

Desired Results: Provide a GIS-based map and database that tracks the locations of all storm water infrastructure including outfalls to support the Illicit Discharge Detection and Elimination (IDDE) program.

Pollutants: Non-storm water discharges associated with illegal and illicit discharges.

Responsible Agents in City: Storm Water Engineer, Storm Drain Supervisor, GIS Coordinator.

Measurable Goal: The GIS Coordinator will survey all new storm drain infrastructure and add it to the GIS database. The Storm Water Engineer and Storm Drain Supervisor will notify the GIS Coordinator if they find any discrepancies between the GIS data and physical storm drain infrastructure in the course of their work.

BMP 11: ILLICIT DISCHARGE DETECTION AND ELIMINATION ORDINANCE

Description: Lehi City has an existing ordinance to prohibit non-stormwater discharges including spills, illicit connections, illegal dumping, and sanitary sewer overflows into the storm water system. The ordinance provides legal authority to detect, investigate, eliminate, and enforce against non-stormwater discharges, including illegal dumping, into the Lehi City MS4. (Lehi City Code 9-3-6)

Permit Reference: 4.2.3.2, 4.2.3.2.1,

Desired Results: To provide adequate legal authority to detect, investigate, eliminate, and enforce against non-storm water discharges, including illegal dumping, as well as provide a variety of enforcement options to apply and escalate enforcement procedures as necessary based on the severity of violation and/or the failure of the violator to address the violation(s).

Pollutants: Non-storm water discharges associated with illegal and illicit discharges.

Responsible Agents in City: Storm Water Engineer, Public Works Director, City Attorney.

Measurable Goal: The Storm Water Engineer will review Lehi City Code 9-3-6 by October 1st of each year. The City Attorney will assist if it is determined that updates are needed. The review process and any updates will be documented in the Lehi City SWMP ComplianceGo site created for the purpose.

BMP 12: IDDE PLAN

Description: Lehi City has a written plan to detect and address non-storm water discharges that includes the following:

- **Priority Area Identification:** locating and listing priority areas likely to have illicit discharges
- **Priority Area Inspections:** conducting annual field inspections of each priority area and documenting findings
- **Dry Weather Screening Inspections:** conducting dry weather screening at all outfalls to verify locations and detect illicit discharges at least once during the 5-year permit term, and documenting findings
- **Other Permitting:** notifying the director within 30 days if it is discovered or suspected that a discharger needs a separate UPDES permit
- **Household Hazardous Waste Collection:** promoting or providing services for the collection of household hazardous waste
- **IDDE Hotline:** publicly listing and promoting a hotline or other local telephone number for public reporting of all spills and other illicit discharges. Documenting all calls received, follow-up actions taken, and feedback received from public education efforts.

Permit Reference: 4.2.3.3, 4.2.3.3.1, 4.2.3.3.2, 4.2.3.3.3, 4.2.3.3.4, 4.2.3.3.5, 4.2.3.3.6

Desired Results: Provide a mechanism for Lehi City to discover illicit discharges and illegal connections to the storm drain system.

Pollutants: Non-storm water discharges associated with illegal and illicit discharges.

Responsible Agents in City: Storm Water Engineer

Measurable Goal: The Storm Water Engineer will review the IDDE plan by October 1st of each year. The review process and any revisions will be documented in the Lehi City SWMP ComplianceGo site created for the purpose.

BMP 13: IDDE SOPS

Description: Lehi City implements the following SOPs in the IDDE program:

- Tracing Illicit Discharges
- Characterizing Illicit Discharges
- Ceasing Illicit Discharges
- Spill and Improper Disposal
- Program Evaluation and Assessment

Lehi City thoroughly documents all IDDE investigations. All IDDE documentation is retained for at least five years and shall be provided to the Director upon request.

Permit Reference: 4.2.3.4, 4.2.3.4.1, 4.2.3.4.1.1, 4.2.3.4.1.2, 4.2.3.4.2, 4.2.3.4.3, 4.2.3.4.3.1, 4.2.3.4.4, 4.2.3.4.5, 4.2.3.5

Desired Results: Provide effective standard operating procedures for employees implementing the IDDE program.

Pollutants: Non-storm water discharges associated with illegal and illicit discharges.

Responsible Agents in City: Storm Water Engineer, SWPPP Inspectors, Storm Drain Supervisor

Measurable Goal: The Storm Water Engineer will review the IDDE SOPs by October 1st of each year with input from the SWPPP Inspectors and Storm Drain Supervisor. The review process and any revisions will be documented in the Lehi City SWMP ComplianceGo site created for the purpose. The Storm Water Engineer and SWPPP Inspectors will document all IDDE investigations as outlined in the IDDE SOPs.

BMP 14: IDDE TRAINING

Description: Lehi City trains all staff, MS4 contractors, office personnel and other responsible entities that, as part of their normal job responsibilities, might come into contact with, receive calls, or otherwise observe an illicit non-storm water discharge. Employees are trained within 60 days of hire, and annually thereafter. The training at a minimum includes the following: identification and reporting; investigation, termination, clean-up, and enforcement procedures; investigation documentation requirements. Records are kept of the date, topics covered, and names and positions of staff.

Permit Reference: 4.2.3.6, 4.2.3.6.1, 4.2.3.6.2, 4.2.3.6.3

Desired Results: Provide city staff with the training necessary to respond effectively to illicit discharges.

Pollutants: Non-storm water discharges associated with illegal and illicit discharges.

Responsible Agents in City: Storm Water Engineer, Public Works Director, Human Resources Director, IT Systems Manager

Measurable Goal: The Human Resources Director will provide the Storm Water Engineer with the list of employees that require IDDE training. The Storm Water Engineer will prepare the training and receive approval from the Public Works Director and IT Systems Manager before sending out the training. The Storm Water Engineer will send the training to all applicable employees within 60 days of hire and annually thereafter, and keep records of the training.

BMP 15: CONSTRUCTION RUNOFF CONTROL ORDINANCE

Description: Lehi City has an ordinance that requires compliance with all requirements set forth in the most current, applicable UPDES construction storm water permits. This ordinance requires applicable construction operators to obtain coverage under the current applicable UPDES construction stormwater permit, renew coverage if necessary, and prepare and implement a SWPPP meeting the requirement of the permit. The ordinance includes a provision for access by City SWPPP Inspectors to inspect construction sites, including storm water BMPS, on private properties that discharge to the MS4. (Lehi City Code 9-3-4 and 9-3-6)

Permit Reference: 4.2.4.1, 4.2.4.1.1, 4.2.4.1.2, 4.2.4.1.3

Desired Results: Provide Lehi City the legal authority to direct and enforce the requirements of the General Construction Permit.

Pollutants: All pollutants listed in Table 4-3.

Responsible Agents in City: Storm Water Engineer, Public Works Director, City Attorney

Measurable Goal: The Storm Water Engineer will review Lehi City Code 9-3-4 and 9-3-6 by October 1st of each year and verify that they are equivalent with the requirements set forth in the current UPDES Construction General Storm Water Permit. The City Attorney will assist if it is determined that updates are needed. The review process and any updates will be documented in the Lehi City SWMP ComplianceGo site created for the purpose.

BMP 16: ENFORCEMENT STRATEGY

Description: Lehi City has a written construction oversight enforcement SOP that includes the following: specific processes and sanction to minimize the occurrence of violations and obtain compliance from violators; appropriate escalating enforcement procedures and actions, including an appeals process that is published in a publicly accessible location; notification and documentation procedures for enforcement actions; and a definition of who has authority to implement enforcement procedures on behalf of the city. The enforcement SOP is consistent with Utah State Code Section 19-5-108.3

Permit Reference: 4.2.4.2, 4.2.4.2.1, 4.2.4.2.2

Desired Results: Provide the Storm Water Engineer, SWPPP Inspectors, and Code Compliance Specialist with enforcement procedures that are both effective and compliant with state code.

Pollutants: All pollutants listed in Table 4-3.

Responsible Agents in City: Storm Water Engineer, SWPPP Inspectors, City Attorney, Code Enforcement Officer

Measurable Goal: The Storm Water Engineer and SWPPP Inspectors will follow the enforcement strategy outlined in the SOP with assistance from the Code Compliance Specialist as necessary. The Storm Water Engineer will review the enforcement SOP by October 1st of each year and consult the City Attorney for assistance if revisions are needed. The review process will be documented in the Lehi City SWMP ComplianceGo site created for the purpose.

BMP 17: PRE-CONSTRUCTION SWPPP REVIEW

Description: Lehi City uses a checklist for pre-construction SWPPP review that is consistent with the requirements of the current, applicable UPDES construction storm water permits. The checklist includes consideration of potential water quality impacts and procedures for pre-construction review. During this review it is determined whether a site is a priority construction site, as defined in permit part 7.0. Following the review of the SWPPP, a pre-construction SWPPP meeting is held to review the site design, planned operations at the construction site, planned BMPs during the construction phase, planned BMPs to manage runoff created after development, and Lehi's enforcement policy. The SWPPP review checklist and the Lehi SWPPP review process are available on the Lehi City Stormwater website.

Permit Reference: 4.2.4.3, 4.2.4.3.1, 4.2.4.3.2, 4.2.4.3.3, 4.2.4.6

Desired Results: Provide the Storm Water Engineer with a standard procedure for reviewing SWPPPs. Provide an opportunity for construction operators and the Lehi SWPPP inspectors to establish expectations for SWPPP implementation and enforcement.

Pollutants: All pollutants listed in Table 4-3.

Responsible Agents in City: Storm Water Engineer, SWPPP Inspectors

Measurable Goal: The Storm Water Engineer will document all SWPPP reviews in a ComplianceGo site created for each qualifying construction site. The SWPPP inspectors will document all pre-construction SWPPP meetings in the corresponding ComplianceGo site. The Storm Water Engineer will review the SWPPP review SOP and checklist by October 1st of each year and revise it as needed. The review process and any updates will be documented in the Lehi City SWMP ComplianceGo site created for the purpose.

BMP 18: CONSTRUCTION STORM WATER RUNOFF CONTROL INSPECTION PROGRAM

Description: Lehi City has a Construction Oversight Inspection SOP that includes the following: who is responsible for site inspections; procedures for the oversight inspections, follow-up, and documentation as identified in permit parts 4.2.4.4.2 through 4.2.4.4.6; and procedures for being notified by construction operations/owners of completion of active construction so that Lehi may conduct verification of final stabilization and removal of all temporary control measures. A qualified person from Lehi City will conduct inspections according to the schedule outlined in permit parts 4.2.4.4.2 through 4.2.4.4.4. After the owners/operators have notified Lehi City of the completion of active construction, Lehi City will conduct a final inspection to ensure the site is stabilized and all temporary controls have been removed. Lehi City will use an electronic site inspection to conduct MS4 oversight inspection unless there is a documented reason justifying an on-site inspection. Follow-up actions and enforcement actions will be taken based on inspection findings.

Permit Reference: 4.2.4.4, 4.2.4.4.1, 4.2.4.4.2, 4.2.4.4.2.1, 4.2.4.4.2.2, 4.2.4.4.2.3, 4.2.4.4.3, 4.2.4.4.4, 4.2.4.4.5, 4.2.4.4.6, 4.2.4.6

Desired Results: Ensure compliance with the requirements set forth in the most current UPDES construction storm water permits.

Pollutants: All pollutants listed in Table 4-3.

Responsible Agents in City: Storm Water Engineer, SWPPP Inspectors

Measurable Goal: The Storm Water Engineer and SWPPP inspectors will utilize the Construction Oversight Inspection SOP and record their inspections in the ComplianceGo site created for each qualifying construction site. The Storm Water Engineer will review the Construction Oversight Inspection SOP by October 1st of each year and revise it as necessary. The review process and any updates will be documented in the Lehi City SWMP ComplianceGo site created for the purpose.

BMP 19: CONSTRUCTION STORM WATER TRAINING

Description: Lehi City trains all staff whose primary duties are related to implementing the construction storm water program. Employees are trained within 60 days of hire, and annually thereafter. The training at a minimum includes the following: permitting, plan review, construction site inspections, and enforcement. Records are kept of the date, topics covered, and names and positions of staff.

Permit Reference: 4.2.4.5, 4.2.4.5.1, 4.2.4.5.2, 4.2.4.5.3

Desired Results: Provide city staff with the training necessary to effectively implement the construction stormwater program.

Pollutants: All pollutants listed in Table 4-3.

Responsible Agents in City: Storm Water Engineer, SWPPP Inspectors

Measurable Goal: The Storm Water Engineer and SWPPP Inspectors will maintain RSI certification. They will also review all SOPs relating to the construction stormwater program by October 1st of each year. The Storm Water Engineer will keep records of the training.

BMP 20: POST CONSTRUCTION STORM WATER MANAGEMENT

Description: Lehi City's New Development/Redevelopment program has requirements and standards to ensure that stormwater controls and management practices in new development and redevelopment prevent or minimize impacts to water quality. Lehi Development Code contains sections for hillside preservation, grading, flood damage prevention, Utah Lake shoreline protection, and Jordan River protection to accomplish the following: minimize development in areas susceptible to erosion and sediment loss; minimize the disturbance of native soils and vegetation; preserve areas that provide important water quality benefits; implement measures for flood control; and protect the integrity of natural resources and sensitive areas. Lehi Design Standards contain the following: specific hydrologic method(s) for calculating runoff volumes and flow rates to ensure consistent sizing of storm water controls; 80th percentile retention in new development and redevelopment; low impact development controls that are permitted and encouraged in storm water system design.

Permit Reference: 4.2.5.1, 4.2.5.1.1, 4.2.5.1.2, 4.2.5.1.3, 4.2.5.1.4

Desired Results: Ensure that stormwater controls and management practices in new development and redevelopment prevent or minimize impacts to water quality

Pollutants: All pollutants listed in Tables 4-1 and 4-2

Responsible Agents in City: Planning Department, Engineering Department, Storm Water Engineer

Measurable Goal: The Storm Water Engineer will review the applicable Development Codes and Design Standards by October 1st of each year. The Storm Water Engineer will work with the Planning Department and Engineering Department if it is determined that updates are needed. The review process and any updates will be documented in the Lehi City SWMP ComplianceGo site created for the purpose.

BMP 21: LONG-TERM POST-CONSTRUCTION STORM WATER CONTROL REGULATORY MECHANISM

Description: Lehi City has an ordinance that requires storm water control selection, design, installation, operation, and maintenance standards to protect water quality and reduce the discharge of pollutants to the MS4 for all new subdivision and site plans. Lehi Municipal Code section 9-3-3 contains requirements for storm water system design, and section 9-3-5 contains requirements for storm water system operation and maintenance. These ordinances give the city enforcement authority and access for post-construction storm water controls in the city. New developments with private storm drainage systems are required to sign a maintenance agreement with the city. The maintenance agreement requires that the owner complete the necessary maintenance of their storm water system, gives the city permission to conduct oversight inspections, accounts for transfer of responsibility, and allows the city to perform necessary maintenance if the owner fails to do so and recoup costs as needed.

Permit Reference: 4.2.5.2, 4.2.5.2.1, 4.2.5.2.2, 4.2.5.2.3, 4.2.5.2.4

Desired Results: Provide Lehi City with the legal authority to implement the post-construction storm water control program

Pollutants: All pollutants listed in Tables 4-1 and 4-2

Responsible Agents in City: Storm Water Engineer, City Attorney

Measurable Goal: The Storm Drain Engineer will review the post-construction storm water control ordinances and maintenance agreement by October 1st of each year. The City Attorney will assist if it is determined that updates are needed. The review process and any updates will be documented in the Lehi City SWMP ComplianceGo site created for the purpose.

BMP 22: POST-CONSTRUCTION STRUCTURAL STORM WATER CONTROL REVIEW AND INVENTORY

Description: Lehi City reviews all subdivision and site plans for potential water quality impacts. All developments with privately owned storm drainage systems are required to submit a Stormwater System Operations and Maintenance Plan (SSOMP) or equivalent and sign a maintenance agreement with the city. The SSOMP template, maintenance agreement, and review checklist used by the city are available on the Lehi City Storm Water website. Lehi City has developed a SSOMP or equivalent for all detention basins, retention basins, drainage swales, underground storage chambers, debris basins, etc., owned and maintained by the city. An inventory of all post-construction structural storm water controls and their corresponding SSOMPs is kept in ComplianceGo.

Permit Reference: 4.2.5.3, 4.2.5.3.1, 4.2.5.3.2, 4.2.5.5, 4.2.5.5.1, 4.2.5.5.2

Desired Results: Ensure that storm water controls are properly installed and receive adequate maintenance.

Pollutants: All pollutants listed in Tables 4-1 and 4-2

Responsible Agents in City: Storm Water Engineer

Measurable Goal: The Storm Water Engineer will update the post construction stormwater inventory as SSOMPs are submitted. The Storm Water Engineer will review the SSOMP template, maintenance agreement, and SSOMP review checklist and SOP by October 1st of each year and update them as necessary. The review process and any updates will be documented in the Lehi City SWMP ComplianceGo site created for the purpose.

BMP 23: POST-CONSTRUCTION STORM WATER MANAGEMENT SITE INSPECTIONS

Description: Lehi City maintains SOPs for the following inspections of post-construction storm water control measures:

- **Control Verification Inspection:** inspect permanent structural controls once during installation
- **Maintenance Inspections:** inspect all post-construction storm water sites in the inventory at least once every five years and require that the property owner/operator inspects them once per year. Sites owned by Lehi City are inspected annually.

Permit Reference: 4.2.5.4, 4.2.5.4.1, 4.2.5.4.2, 4.2.5.4.2.1

Desired Results: Ensure that storm water controls are properly installed and receive adequate maintenance.

Pollutants: All pollutants listed in Tables 4-1 and 4-2

Responsible Agents in City: Public Works Inspectors, Storm Water Engineer

Measurable Goal: Public Works Inspectors will require construction operators to provide proof that the Control Verification Inspection was completed. The Storm Water Engineer will document maintenance inspections in the corresponding ComplianceGo site for each site in the post-construction stormwater inventory. The Storm Water Engineer will review the SOPs for post-construction storm water control inspections by October 1st of each year and update them as necessary. The review process and any updates will be documented in the Lehi City SWMP ComplianceGo site created for the purpose.

BMP 24: POST-CONSTRUCTION STORM WATER MANAGEMENT INSPECTOR TRAINING

Description: Lehi City provides training to staff implementing the post-construction storm water management program on the following topics: plan review; inspections; enforcement; LID and green infrastructure practices; and the requirements for post-construction controls and the associated storm water controls identified in this SWMP.

Permit Reference: 4.2.5.6, 4.2.5.6.1, 4.2.5.6.2, 4.2.5.6.3

Desired Results: Ensure employees whose primary job responsibilities are related to implementing the post-construction storm water management program and properly trained

Pollutants: All pollutants listed in Tables 4-1 and 4-2

Responsible Agents in City: Storm Water Engineer

Measurable Goal: The Storm Water Engineer will review the section of the SWMP and the SOPs that relate to the post-construction storm water management program by October 1st of each year and document that they are familiar with the requirements.

BMP 25: PRIORITY CITY FACILITY IDENTIFICATION

Description: Lehi City keeps a current written inventory of potential “high priority” facilities owned by the city. This inventory includes all facilities listed in permit part 4.2.6.1, as well as common pollutions that may originate from each facility and how to prevent them from entering the storm water system.

Any facilities on the list that are found to have the following are considered “high priority” facilities: pollutants stored at the site; improperly stored materials; potential pollution-generating activities performed outside, e.g. changing automotive fluids; close proximity to fresh water and water bodies, including but not limited to streams, canals, rivers, ponds, and lakes; or the potential to discharge pollutants of concern to impaired waters.

Each facility deemed to be “high priority” uses water quality control measures and BMPs to target the specific pollutants generated onsite and operates under a SWPPP that meets the requirements listed in permit part 4.2.6.3.2. The SWPPP and related documents are stored in a ComplianceGo site corresponding to each “high priority” facility.

Permit Reference: 4.2.6.1, 4.2.6.2, 4.2.6.3, 4.2.6.3.1, 4.2.6.3.2

Desired Results: Minimize pollutant discharges in storm water runoff from MS4 facilities

Pollutants: All pollutants listed in Table 4-4.

Responsible Agents in City: Storm Water Engineer

Measurable Goal: The Storm Water Engineer will review the inventory of city facilities by October 1st of each year. The review process and any revisions will be documented in the Lehi City SWMP ComplianceGo site created for the purpose.

BMP 26: HIGH PRIORITY MS4 FACILITY INSPECTIONS

Description: Lehi City performs the following inspections on all “high priority” MS4 facilities:

- **Monthly Visual Inspections:** A visual inspection of “high priority” facilities and their related storm water outfalls in accordance with SOPs to verify and correct the performance of the BMPs and all other systems designed and placed to eliminate pollutant discharges.
- **Semi-Annual Comprehensive Inspections:** A comprehensive inspection of “high priority” facilities, including all storm water controls to review and correct issues found with waste storage areas; dumpsters; vehicle and equipment maintenance/fueling areas; material handling areas and similar pollutant-generating areas; previous inspections conducted at the facility; and the facility’s SWPPP.
- **Annual Visual Observation of Storm Water Discharges:** A visual observation of the quality of storm water discharges from “high priority” facilities. Any observed problems such as color, foam, sheen, or turbidity will be corrected as soon as practicable, but at a minimum before the next storm event.

Permit Reference: 4.2.6.4, 4.2.6.4.1, 4.2.6.4.2, 4.2.6.4.3

Desired Results: Minimize pollutant discharges in storm water runoff from MS4 facilities

Pollutants: All pollutants listed in Table 4-4

Responsible Agents in City: Storm Water Engineer

Measurable Goal: The Storm Water Engineer will complete the inspections listed above and document them in the ComplianceGo site created for each “high priority” facility. The Storm Water Engineer will review the SWPPP for each “high priority” facility as part of the Semi-Annual Comprehensive Inspections and will be update them as necessary.

BMP 27: OPERATIONS AND MAINTENANCE SOPS

Description: Lehi City maintains SOPs for operations and maintenance activities at city owned buildings and facilities; material storage areas; heavy equipment storage areas and maintenance areas; parks and open spaces; roads, highways, and parking lots; and storm water collection and conveyance systems. These SOPs address the following practices: use, storage, and disposal of chemicals; storage of salt, sand, gravel, landscaping materials, asphalt, and other materials; waste and trash management; cleaning, washing, painting, and maintenance activities; proper application, storage, and disposal of fertilizer, pesticides, and herbicides and minimizing their use; lawn maintenance and landscaping activities including proper disposal of lawn clippings and vegetation; green waste deposited in the street; proper disposal of pet wastes; vehicle maintenance and repair activities including use of drip pans and absorbents under or around leaky vehicles and equipment; vehicle/equipment storage including storing indoors where feasible; vehicle fueling including placing fueling areas under cover in order to minimize exposure where feasible; road and parking lot maintenance including pothole repair, pavement marking, sealing, and repaving; cold weather operations including plowing, sanding, application of deicing compounds and maintenance of snow disposal areas; right-of-way maintenance including mowing, herbicide and pesticide application; city sponsored events such as outdoor festivals, parades, or street fairs and the clean-up following these events; regular inspection, cleaning, and graffiti removal. The city maintains SOPs for storm drain maintenance and road and parking lot sweeping that includes a schedule for inspection and maintenance that prioritizes more frequent maintenance at problem locations. The city maintains SOPs for the proper disposal of waste and wastewater from storm drain maintenance in accordance with federal, state, and local laws. The city maintains SOPs for vehicle and equipment washing to ensure that wash waters are not discharged to the MS4 or waters of the state. The Lehi City Water and Fire Departments maintain a spill prevention plan.

Permit Reference: 4.2.6.5, 4.2.6.5.1, 4.2.6.5.2, 4.2.6.5.3, 4.2.6.5.4, 4.2.6.5.5, 4.2.6.5.6

Desired Results: Minimize pollutant discharges in storm water runoff from MS4 facilities

Pollutants: All pollutants listed in Table 4-4

Responsible Agents in City: Storm Water Engineer, Public Works Director, Parks and Facilities Manager, Water Department Manager, Streets Department Manager, Water Operations System Supervisor, Storm Drain Supervisor, Waste Water Supervisor, Water Maintenance Supervisor, Fire Marshal

Measurable Goal: The Storm Water Engineer will review all Operations and Maintenance SOPs with assistance from the applicable department supervisors and managers by October 1st of each

year. The review process and any revisions will be documented in the Lehi City SWMP ComplianceGo site created for the purpose.

BMP 28: FLOOR DRAIN INVENTORY

Description: Lehi City maintains an inventory of all floor drains inside all city or operated buildings, including where all floor drains discharge to.

Permit Reference: 4.2.6.6.6

Desired Results: Ensure all floor drains discharge to appropriate locations

Pollutants: All pollutants listed in Table 4-4.

Responsible Agents in City: Storm Water Engineer

Measurable Goal: The Storm Water Engineer will review the floor drain inventory by October 1st of each year. The review process and any revisions will be documented in the Lehi City SWMP ComplianceGo site created for the purpose.

BMP 29: FLOOD MANAGEMENT CONTROL ASSESSMENT

Description: The Lehi City Engineering department will work with the Storm Water Engineer and FEMA to assess the water quality impacts and the design of all new flood management structural controls that are owned or operated by the city or discharge to the city and consider controls that can be used to minimize the impacts to site water quality and hydrology while still meeting project objectives. This will be documented as part of the development review process. The Lehi Storm Drain Master plan contains an assessment of all existing flood control facilities.

Permit Reference: 4.2.6.8, 4.2.6.8.1

Desired Results: Minimize impacts to water quality from flood management structures.

Pollutants: All pollutants listed in Table 4-4.

Responsible Agents in City: City Engineer, Storm Water Engineer

Measurable Goal: The development review process for all new flood control structures will be documented.

BMP 30: RETROFIT PLAN FOR EXISTING CITY OWNED OR OPERATED SITES

Description: When City-owned sites are redeveloped storm water systems will be designed to reduce impact to water quality. When possible, this will include controls that infiltrate, have evapotranspiration, or harvest and reuse storm water.

Permit Reference: 4.2.6.9

Desired Results: Minimize pollutant discharges in storm water runoff from MS4 facilities

Pollutants: All pollutants listed in Table 4-4

Responsible Agents in City: City Engineer, Storm Water Engineer

Measurable Goal: The development review process for redevelopment of city facilities, including the selection of storm water controls, will be documented.

BMP 31: MS4 POLLUTION PREVENTION AND GOOD-HOUSEKEEPING TRAINING

Description: Lehi City trains all employees and MS4 contractors with job functions that may impact storm water quality on storm water best management practices for their job responsibilities. This training includes the importance of protecting water quality and the City's SOPs for operations and maintenance activities.

Permit Reference: 4.2.6.10, 4.2.6.10.1, 4.2.6.10.2, 4.2.6.10.3

Desired Results: Train MS4 employees with job function that may impact storm water quality to minimize pollutant discharges in storm water runoff from MS4 facilities

Pollutants: All pollutants listed in Table 4-4

Responsible Agents in City: Storm Water Engineer, Public Works Director, Human Resources Director, IT Systems Manager

Measurable Goal: The Human Resources Director will provide the Storm Water Engineer with the list of employees that require MS4 pollution prevention and good housekeeping training. The Storm Water Engineer will prepare the training and receive approval from the Public Works Director and IT Systems Manager before sending out the training. The Storm Water Engineer will send the training to all applicable employees within 60 days of hire and annually thereafter and keep records of the training.