Storm Water Management Plan
2020-2025

Updated November 2020

Herriman City
5355 Herriman Main Street
Herriman, UT 84096
801-466-5323
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Delegation of Authority

Utah Department of Environmental Quality
Division of Water Quality
195 N 1950 W
DEQ 3rd Floor
SLC, Utah 84116

Dear Executive Director:

As the principal executive officer (or ranking elected official) of Herriman City, I hereby authorize Jonathan Bowers, acting as the Herriman City Engineer, to act on my behalf relative to documents, reports, notices or activities pertaining to our Herriman City’s MS4 as part of the Jordan Valley Municipalities UPDES Storm Water Permit.

HERRIMAN CITY

[Signature]
Wendy Thomas, Interim City Manager

ATTEST

[Signature]
Jackie Nostrom, MMC City Recorder
Certification

Permit Number: UTS000001
Permittee: Jordan Valley Municipalities
Co-Permittee: Herriman City

Submitted with this permit is the following:

- Information regarding the overall quality concerns, priorities, and measurable goals specific to the co-permittee that were considered in the development and/or revision of the SWMP document

- A description of the program elements that will be implemented as part of the six minimum control measures mandated by the DWQ

- A description of how the co-permittee intends to meet the requirements of the Permit as described in Part 4.0 by either existing program areas that already meet the requirements of the Permit or a description of relevant measurable goals that include, as appropriate, the year by which the co-permittee will achieve the required actions.

- An appendix that contains supplemental maps and information that facilitates the Storm Water Management Program within Herriman City.

Statement of Certification

“I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.”

[Signature]
Authorized Signature

11/17/2020
Date
**Abbreviations**

APWA  American Public Works Association
BMP   Best Management Practices
DEQ   Division of Environmental Quality
DWQ   Division of Water Quality
EPA   Environmental Protection Agency
HHW   Household Hazardous Waste
IDDE  Illicit Discharge and Detection Elimination
GIS   Geographic Information System
MCM   Minimum Control Measure
MPM   Minimum Performance Measure
MS4   Municipal Separate Storm Sewer System
NOV   Notice of Violation
O&M   Operations and Maintenance
SOP   Standard Operating Procedure
SSO   Sanitary Sewer Overflow
SWMP  Storm Water Management Program/Plan
SWPPP Storm Water Pollution Prevention Plan
TMDL  Total Maximum Daily Load
UPDES Utah Pollutant Discharge Elimination System
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2.3 Storm Water Management Program Plan Description

2.3.2 Revised SWMP Document
The Storm Water Management Plan (SWMP) details Herriman City’s efforts to reduce water quality concerns in compliance with the Jordan Valley Municipalities Permit. It will be submitted to the Utah Division of Water Quality.

2.3.2.1 Permit Number
Herriman City is a co-permittee under the Jordan Valley Municipalities, Permit No. UTS000001.

2.3.2.2 MS4 Location
Herriman City is located in the south-west corner of Salt Lake County and is bordered by the Oquirrh Mountains on the West, Camp W. G. Williams on the South, South Jordan City to the North—specifically 11800 S, and Riverton City to the East—generally following Mountain View Corridor from 11800 S to 13400 S and generally following the Welby Jacobs Canal south. As of 2020 Herriman City has a population of 62,010. A map of Herriman city can be found in Appendix A.

2.3.2.3 Overall Water Quality Concerns
Overall water quality concerns relate to the organic materials that contribute to Butterfield Creek and Rose Creek both of which are considered to be impaired. Both have E. coli impairments while Butterfield Creek is impaired by Selenium and Total Dissolved Solids. Herriman City has identified measurable goals for each minimum control measure that are identified within the SWMP. Dry weather screening will help in identifying other water quality concerns for future revisions of the SWMP.

2.3.2.4 Program Elements
This document describes the elements of required minimum control measures that are existing or will be implemented to protect water quality.

2.3.2.5 Ordinance Modifications
Herriman City is actively working to adopt ordinances that will allow legal authority for enforcement of SWPPP compliance and IDDE. It is anticipated that these will be fully implemented by 30 June 2021.

2.3.2.6 Permit Requirements
A list of measurable goals is outlined in Parts 4.2.1 through 4.2.6 of this document. This includes descriptions of existing, on-going, and new elements that will be implemented to satisfy the requirements of the permit.

2.3.2.7 Responsibilities
Herriman City is responsible for the Storm Water Management Plan and corresponding requirements with the exception of collaboration with the Salt Lake County Storm Water Coalition as outlined. A copy of the Interlocal agreement with Salt Lake County can be found in Appendix G.

2.3.2.8 Certification
Herriman City will follow all certification and signature requirements as outlined in Part 6.8 of the permit. The City Manager has delegated authority to the Herriman City Engineer for the certification and signature requirements. This agreement is on file with the DWQ.
2.3.2.9 Measurable Goals
The SWMP will specify measurable goals in relation to the minimum control measures to satisfy the requirements of the permit.

3.1 Impaired Waters

3.1.1.1 Discharges into 303(d) Water Bodies
Herriman City’s MS4 drains into Butterfield Creek (which includes Midas Creek) and Rose Creek both of which are considered impaired water bodies.

3.1.1.2 TMDL Requirements
Butterfield Creek (which includes Midas Creek) has been identified as having an E. coli, Selenium, and Total Dissolved Solids impairment. Rose Creek has been identified as having an E. coli impairment. A Total Maximum Daily Load (TMDL) has not been approved by the EPA for either water body within Herriman City according to the following link at the time this document was prepared:

http://mapserv.utah.gov/surfacewaterquality/

Herriman City will comply with Part 3.1.2 of the permit and any TMDL requirements that are put into effect.

3.1.2 Water Quality Control
E. coli will be addressed in Part 4.2.1 focusing on educating the public on pet and livestock waste.

TDS will be addressed in Part 4.2.1 focusing on fertilizers, pesticides, herbicides and deicing salts.

Selenium will be addressed in Part 4.2.1 focusing on outreach addressing agriculture and industrial business.

3.1.3 New or Pre-Approved Discharge Determined as Pollutant
In the event that an existing authorized discharge under the permit is determined to cause or contribute to violation of an applicable water quality standard, Herriman City will take action as required by the Director of the Division of Water Quality. All actions will be documented along with any amendments to this SWMP.

3.2 Nitrogen and Phosphorus Reduction

3.2.1 Reduction of Nitrogen and Phosphorus
Herriman City will address the water quality impacts associated with Nitrogen and Phosphorus through the public education program as outlined in Part 4.2.1

3.2.1.1 Storm Water Coalition
Herriman City is and will continue to be an active participant in the Salt Lake County Storm Water Coalition which will evaluate, identify, target, and provide outreach that addresses sources of pollution from Nitrogen and Phosphorous.
3.2.1.2 Target Sources
Herriman targets residential sources through Part 4.2.1 and commercial sources through the use of Nitrogen and Phosphorous education by distributing educational materials outlined in Part 4.2.1.3.

3.2.1.3 Prioritize Targeted Sources
With the aid of the Salt Lake County Storm Water Coalition, Herriman City will continue to prioritize and target sources such as fertilizer, and animal waste through the education of the public addressed in Part 4.2.1.
Storm Water Management Program

4.1 Requirements

4.1.1 Storm Water Management Program
Herriman City has developed, implemented and enforces this SWMP to reduce the discharge of pollutants through the MS4 by compliance to the six minimum control measures outlined in this document. This document is designed to be in accordance with the Utah Water Quality Act and does not supersede it or the federal Clean Water Act.

4.1.1.1 Implementation
The SWMP will be developed and implemented to meet the requirements specified by the state.

4.1.2 Development and Implementation
The Herriman City Water Resource Engineer will assess the SWMP annually to identify any needs for improvement. This assessment is done after the annual report is filed with the DWQ. The assessment is reviewed by the Water Resource Engineer with input from the Public Works Director and City Engineer.

4.1.2.1 Implementation Tracking
All inspections and public education activities are tracked with forms for the purpose of record keeping in accordance with this document. Records are kept with the Water Resource Engineer. These records are used for the annual report as required by the permit.

4.1.2.2 Storm Water Funding
The resources required to comply with the permit are provided through the Storm Water Enterprise Fund.

4.1.3 BMPs Implemented
The document includes BMPs that Herriman City implements to satisfy the requirements for each of the minimum control measures.

4.1.3.1 Measurable Goals
Measurable goals are outlined in Parts 4.2.1 through 4.2.6 of this document.

4.1.3.2 Responsible Party for Implementation
The responsible party/personnel for each of the BMPs is outlined in this document and appendix for each SOP.

4.1.3.3 Revisions of the SWMP
This document was revised to clearly identify roles and responsibilities that affect the implementation and operations of the SWMP. This includes clear descriptions of the responsibilities of all parties that affect the implementation and operation of the SWMP. Additionally, greater detail has been provided as to how each MCM will be satisfied through the duration of the permit.

4.1.3.4 Good Faith Effort
A good faith effort is being made to comply with the MS4 permit.
4.2 Minimum Control Measures

The Storm Water Management Program (SWMP) requires the implementation and execution of six Minimum Control Measures (MCM):

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

The permit requirements are detailed in Part 4.2 of the permit. A copy of the permit can be found in Appendix G.

The SWMP will continue successful programs that are in place and implement new programs and updates being incorporated.

4.2.1 Public Education and Outreach on Storm Water Impacts

Implement a public education and outreach program to promote behavior change by the public to reduce water quality impacts associated with pollutants in storm water runoff and illicit discharges. This includes a multimedia approach targeted and presented to four specific audiences (1) residents, (2) institutions, industrial and commercial facilities, (3) developers and contractors (construction), and (4) MS4 owned or operated facilities.

Herriman City’s public education program seeks to improve public awareness about storm water quality. The program includes educational materials distributed to various audiences, and content produced by the Salt Lake Storm Water Coalition.

4.2.1.1 Targeted Pollutant Sources

Target specific pollutants and pollutant sources determined to be impacting or have the potential to impact the beneficial uses of receiving water.

Herriman City has identified target pollutants for each specific target audience:

<table>
<thead>
<tr>
<th>Audience</th>
<th>Sediment</th>
<th>Nitrogen &amp; Phosphorus</th>
<th>Heavy Metals</th>
<th>Trash &amp; Debris</th>
<th>Oil &amp; Grease</th>
<th>Bacteria</th>
</tr>
</thead>
<tbody>
<tr>
<td>Residents</td>
<td>✘</td>
<td>✘</td>
<td>✘</td>
<td>✘</td>
<td>✘</td>
<td>✘</td>
</tr>
<tr>
<td>Institutions, Industrial and Commercial Facilities</td>
<td>✘</td>
<td>✘</td>
<td>✘</td>
<td>✘</td>
<td>✘</td>
<td>✘</td>
</tr>
<tr>
<td>Developers and Contractors</td>
<td>✘</td>
<td>✘</td>
<td>✘</td>
<td>✘</td>
<td>✘</td>
<td>✘</td>
</tr>
<tr>
<td>MS4 Owned or Operated Facilities</td>
<td>✘</td>
<td>✘</td>
<td>✘</td>
<td>✘</td>
<td>✘</td>
<td>✘</td>
</tr>
</tbody>
</table>

Education efforts have been focused on each group’s targeted pollutants. Messages educate individuals of each group on how they can minimize their impact on storm water.
4.2.1.2 General Public Education and Outreach

Provide and document information given to the general public on water quality impacts associated with illicit discharges and improper disposal of waste.

Herriman City is a member of the Salt Lake County Storm Water Coalition. Meetings are generally held on the third Wednesday of each month. The coalition consists of various local agencies whose purpose is reducing the load of pollutants entering storm drains and receiving water bodies by promoting good behavior to protect storm water quality. The Coalition produces media ads for radio, television, movie theaters, and online which promote the protection of storm water quality. The Coalition also sponsors an annual Water Quality Fair where elementary school students, teachers and chaperones attend and learn about storm water quality through various displays at the event. As a result of the pandemic in 2020, the Coalition has also put together curriculum, educational trainings, and resources for teachers to teach the importance of storm water quality either in class or through a virtual medium. Herriman City will continue to have representation at these meetings and promote the educational resources whether the Water Fair continues or education remains at the classroom level.

Storm water promotional materials are distributed at city sponsored festivals and events including Herriman Towne Days each year. These include give away items as well as educational pamphlets and brochures created by the Coalition.

Herriman City has begun sharing messages from the Storm Water Coalition through social media outlets. This involves sharing and re-tweeting messages posted from the Coalition on a monthly basis.

A monthly newsletter is sent out to the residents with messages from Herriman City staff and business owners. At least once each year, the newsletter includes an advertisement or message from engineering staff regarding storm water and/or water quality.

4.2.1.3 Institutions, Industrial and Commercial Facilities

Provide and document information given to institutions, industrial, and commercial facilities on water quality impacts associated with illicit discharges and improper disposal of waste.

Herriman City distributes an insert with business license renewals educating business owners concerning Illicit Discharges and high-risk pollutants relevant to businesses such as landscape pollutants, food grease, and parking lot litter and dumpster management.

As part of Herriman City’s long-term storm water maintenance agreement with each commercial property, independent annual storm water inspections must be performed. This provides opportunities to distribute storm water quality educational resources to increase business owners understanding of storm water pollution prevention and identifying sites that need greater education and resources.

4.2.1.4 Construction Education Program

Provide and document information given to engineers, construction contractors, developers, development review staff, and land use planners concerning the development of storm water pollution prevention plans (SWPPPs) and BMPs for reducing adverse impacts from storm water runoff from development sites.

Herriman City requires that all contractors working on development and re-development projects within the city attend a preconstruction meeting that covers a review of the approved SWPPP.
SWPPP review is outlined in the preconstruction meeting agenda and each site is reviewed in depth with the contractor and/or developer.

Herriman City has established development standards to outline construction and long-term goals for reducing adverse impacts from storm water runoff from development sites. These standards are being updated and will include more detailed guidelines and requirements. These updates will be completed by 31 March 2021.

Herriman City is looking into creating a training that contractors and developers will need to go through prior to developing within the city. The training would provide information on construction site BMPs, common issues, and proper SWPPP implementation. The training will be followed up by a check on learning to ensure principles in the training are understood.

4.2.1.5 LID, Green Infrastructure, Post-Construction Education

Provide and document information and training given to the MS4 engineers, development and plan review staff, and land use planners, documentation on Low Impact Development (LID) practices, green infrastructure practices, and communicate the specific requirements for post construction control and the chosen associated BMPs.

Members of the Public Works staff annually attend the APWA Storm Water Conference. LID presentations are given which educate about LID methods. Additional webinars and other educational opportunities are taken advantage of when they present themselves.

The Herriman City Water Resource Engineer or a delegated representative attends the monthly USWAC & Salt Lake County Storm Water Coalition meetings. Information is disseminated and discussed within the public works and engineering departments to increase awareness and understanding of updated standards and requirements.

4.2.1.6 Evaluation

Provide and document the identified methods that were used to evaluate the effectiveness of the education messages and the overall education program.

Herriman City will use the Salt Lake County Storm Water Coalition survey to evaluate the methods and effectiveness of public outreach as well as the utilized BMPs. Surveys will be conducted every three years which corresponds with at least once during the permit term.

Herriman City will use the number of construction site violations relative to the number of active sites as well as the number of illicit discharges to compare year to year if the number of violations are decreasing which would imply a successful education approach.

4.2.1.7 Selection Rationale

Provide documentation or rationale as to why particular BMPs were chosen for its public education and outreach program.

Residents

The non-structural BMPs targeting Residents are explained in Part 4.2.1.2 of the SWMP. Herriman City is using a multimedia approach to target various demographics. Much of the education is targeted towards children to instill best practices at a young age. This is done through the water fair (and other formal education efforts) and social media. Additionally, by using Herriman City
events, storm water awareness can be taught to a large number of people from a wide age demographic.

**Institutions, Industrial, and Commercial Activities**

The efforts to target institutions, industrial, and commercial facilities is explained in depth in Part 4.2.1.3 of the SWMP. Storm water education can be supplied to commercial and industrial businesses through business license renewal as well as through annual site inspections required by storm water maintenance agreements. This ensures that business storm water training will take place because of the necessity for business license renewal.

**Developers and Contractors**

The methods used to target developers and contractors has been explained in depth in Part 4.2.1.4 of the SWMP. Herriman City capitalizes on the preconstruction meeting to make sure that developers and contractors working within the city are aware of the common issues among contractors and to perform training to encourage best practices among developers and contractors and reduce the number of construction related storm water quality issues.

**MS4 Owned or Operated Facilities**

The methods used for training MS4 employees are discussed in Part 4.2.1.5 of the SWMP. Herriman City is dedicated to providing the best training to their employees to ensure that employees are up to date on the latest and best industry practices. MS4 employees are trained both at conferences and internally to ensure that each employee understands and is using the best methods.
<table>
<thead>
<tr>
<th>Activity/BMP</th>
<th>Measurable Goal</th>
<th>Description</th>
<th>Permit Section</th>
<th>Execution Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>PEO-01 City Newsletter</td>
<td>Newsletter ad is published and documented</td>
<td>Submit newsletter ads once per year</td>
<td>4.2.1.2</td>
<td>Ongoing</td>
</tr>
<tr>
<td>PEO-02 Social Media Campaign</td>
<td>Ensure Coalition messages are sent out via City Social Media outlets</td>
<td>Post a minimum of one social media message per month</td>
<td>4.2.1.2</td>
<td>Ongoing</td>
</tr>
<tr>
<td>PEO-03 Hazardous Waste Disposal</td>
<td>One post about hazardous waste to be sent out annually</td>
<td>Provide information to residents regarding hazardous waste disposal and locations</td>
<td>4.2.1.2</td>
<td>Ongoing</td>
</tr>
<tr>
<td>PEO-04 Support Salt Lake County Storm water Coalition</td>
<td>Provide financial support and attend 75% of monthly meetings</td>
<td>Continue support of the Coalition through financial support and involvement in monthly meetings. Use resources provided by the Coalition</td>
<td>4.2.1.2</td>
<td>Ongoing</td>
</tr>
<tr>
<td>PEO-05 Storm Water Fair</td>
<td>Provide Support to Annual Storm Water Fair</td>
<td>Support Annual Storm Water Fair for Local Elementary Schools. Encourage Elementary Schools within Herriman City to Attend</td>
<td>4.2.1.2</td>
<td>Annually</td>
</tr>
<tr>
<td>PEO-06 Business Licensing Ads</td>
<td>100% of business licenses issued/renewed to be given educational inserts</td>
<td>Require all new and renewal business license applicants to be given literature on the impacts of water quality</td>
<td>4.2.1.3</td>
<td>1-Jan-21</td>
</tr>
<tr>
<td>PEO-07 SWPPP Education</td>
<td>Require a pre-construction meeting with a SWPPP review for contractors working in Herriman City</td>
<td>In the pre-construction meeting for developments, redevelopments, and city projects one acre or greater, storm water pollution prevention measures and BMPs will be discussed</td>
<td>4.2.1.4</td>
<td>Ongoing</td>
</tr>
<tr>
<td>PEO-08 Employee Training for Storm Water Personnel</td>
<td>Maintain RSI certifications for Storm Water Personnel</td>
<td>Conduct annual training for staff discussing pertinent water quality measures</td>
<td>4.2.1.5</td>
<td>Annually</td>
</tr>
<tr>
<td>PEO-09 Employee Training for Public Works Staff</td>
<td>Provide annual training with respect to water quality</td>
<td>Provide annual training to Public Works Staff regarding water quality issues with relation to their daily duties</td>
<td>4.2.1.5</td>
<td>Annually</td>
</tr>
</tbody>
</table>
4.2.2 Public Involvement/Participation

4.2.2.1 Public Input during SWMP Writing Process
Create opportunities for the public to provide input during the decision-making process involving development, implementation and update of the SWMP document.

Herriman City will follow the public comment process for all ordinances developed or changed. The SWMP will be made publicly available on the city website, and in the office of the Water Resource Engineer.

4.2.2.2 SWMP Availability
SWMP documents will be available to the public for review and input within 120 days from the effective date of permit.

The SWMP is available online at Herriman City’s website (https://www.herriman.org/storm-water/) and at the office of the Water Resource Engineer for the general public.

4.2.2.3 Adopted SWMP accessibility for the life of the permit
A current version of the SWMP document needs remain available for public review and input for the life of the Permit. Post the latest version of the SWMP to the website within 180 days from the effect date of the permit. Clearly specify a contact person and phone number or email address to allow the public to review and provide input for the life of the permit.

A current version of the SWMP will be available on Herriman City’s website. For questions regarding the SWMP contact Ben Nelsen at bnelsen@herriman.org.

4.2.2.4 Public Notice Requirements
At a minimum comply with state and local public notice requirements when implementing a public involvement/participation program.

Herriman City will comply with local and state public notice requirements. The city will follow public comment process for all ordinances developed or changed. The City Council will hold a public hearing during a council meeting to receive public comments. Prior to the meeting, the hearing will be advertised on Herriman City’s website. Comments will be reviewed prior to passing an ordinance.
# Public Involvement and Participation Program Measurable Goals

<table>
<thead>
<tr>
<th>Activity/BMP</th>
<th>Measurable Goal</th>
<th>Description</th>
<th>Permit Section</th>
<th>Execution Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>PIP-01</td>
<td>Public Notice for Comment on Updated SWMP</td>
<td>Post updated SWMP to Herriman City website and open it to public comment</td>
<td>4.2.2.2</td>
<td>Ongoing</td>
</tr>
<tr>
<td>PIP-02</td>
<td>Current SWMP Publicly Available</td>
<td>Maintain updated SWMP on Herriman City Website</td>
<td>4.2.2.3</td>
<td>Ongoing</td>
</tr>
<tr>
<td>PIP-03</td>
<td>Storm Water Website</td>
<td>Upload Storm Water Reference and Educational Materials to Website</td>
<td>4.2.2</td>
<td>Ongoing</td>
</tr>
</tbody>
</table>
4.2.3 Illicit Discharge Detection and Elimination (IDDE)

4.2.3.1 MS4 Map
Maintain a current storm sewer system map of the MS4.

Herriman City maintains a comprehensive map of the storm drain system. The map shows all outfalls to Butterfield, Rose, and Midas Creeks as well as all inlet points to the system. The GIS department maintains the maps and collects data on all new or altered storm drain structures. A map showing this inventory can be found in Appendix A.

4.2.3.2 Ordinances for Illicit Discharge
Prohibit through ordinance or other regulatory mechanism, non-storm water discharges to the MS4. Apply escalating enforcement procedures as necessary for the severity of violation and or recalcitrance of the violator.

Herriman City does not yet have an ordinance in place to prohibit illicit discharges. This is something Herriman City is currently working to develop and implement. The ordinance is proposed to prohibit non-storm water discharges to the MS4, and will include escalating enforcement procedures. It is anticipated that this ordinance will be fully developed and implemented by 30 June 2021.

4.2.3.2.1 Legal Authority
Have legal authority to detect, investigate, eliminate and enforce against non-storm water discharges including illegal dumping into the MS4.

Herriman City’s Illicit Discharge Ordinance described in Part 4.2.3.2 will provide legal authority to detect, eliminate, and enforce against non-storm water discharges.

4.2.3.3 IDDE Mitigation Plan
Develop and implement a plan to detect and address non-storm water discharges including spills, illicit connections, sanitary sewer overflows and illegal dumping.

Herriman City relies on its trained employees who are in the public daily (parks crew, water operators, inspectors, street sweepers, storm drain personnel, etc.) as well as the public to report and detect illicit discharges. Regular dry weather screening of outfalls reaches approximately 20% of all outfalls annually. During the permit term, Herriman City will screen all outfalls.

In the event of an Illicit Discharge, Herriman City’s storm drain camera may be used for investigation.

4.2.3.3.1 High Priority Areas
Procedures for locating and listing priority areas likely to have illicit discharges. Herriman will document the basis for its selection of each priority area and create a list of all priority areas in the system. The list will be updated annually to reflect changing priorities.

High priority areas within the city are identified as commercial developments with a higher than normal risk of discharging into the MS4. These include industrial areas, gas stations, restaurants and shopping areas. These locations are identified in Appendix A as well as through Herriman City’s online Storm Water GIS map. The list of locations will be updated on an annual basis to reflect the priorities of the city and new areas that are the result of recent development.

4.2.3.3.2 Field Assessment Activities
Field inspections of areas determined to be a priority area must be conducted annually at a minimum.
Herriman City
Storm Water Management Plan

Herriman has identified 13 high priority areas and 3 high priority outfalls. These 16 sites are inspected annually using the Long-Term Storm Water Inspection and Evaluation Form for high priority sites or the Dry Weather Screening Inspection Form both located in Appendix C.

4.2.3.3.3 Permit Term Field Assessment Activities
Dry weather screening for the purpose of verifying outfall locations and detecting illicit discharges within the jurisdiction to a receiving water. All outfalls to be inspected at least once during the 5-year permit term.

Herriman City performs dry weather screening on outfall locations, performing 20% of the total inspections each year to be able to inspect all outfalls within the five-year permit term. The dry weather screening SOP as well as the dry weather screening inspection form are attached in Appendix C.

4.2.3.3.4 Discovered or Suspected Discharges
Notify DEQ Director if discharger is discovered or suspected to need a separate UPDES permit.

When it is discovered or suspected that a discharger may need a separate UPDES permit, Herriman City will notify the Director of the DWQ.

4.2.3.4 Tracing Illicit Discharge Source Procedures
Implement standard operating procedures (SOPs) for tracing the source of an illicit discharge.

Standard Operating Procedures have been developed for every step of the IDDE process and are found in Appendix C. When an illicit discharge is reported, Storm Water personnel investigate on-site to locate the source of the discharge. The source is identified either by visual observation at the report location of the incident (e.g. someone dumping pollutants into storm drain) or by following the storm drain system upstream to locate the source of the pollutant. When necessary opening of manholes and field tests are used to trace the source.

4.2.3.5 Characterize the Nature and/or Threat of Illicit Discharge
Implement SOPs for characterizing the nature of and the potential public or environmental threat posed by any illicit discharges found by or reported to Herriman City.

Procedures for Characterizing the Nature and/or Threat of an Illicit Discharge SOP can be found in Appendix C. The majority of illicit discharges are known substances (washing concrete out in the storm drain). When a substance is unknown, the Storm Water Foreman will perform a limited analysis to identify the pollutant. If the Storm Water Foreman is unable to identify the substance or it can’t be handled by Herriman City, Salt Lake County Health Department will be called to help identify the substance and perform further analysis.

4.2.3.5.1 Inspection Documentation
Proper reporting and recordkeeping must be performed when a non-storm water discharge is identified and confirmed.

When a non-storm water discharge source is identified and confirmed, an incident response report must have the following information:

- Date of the initial report of the discharge
- Date the investigation was initiated
- Date the discharge was observe
• Location of discharge
• Description of the discharge
• The method of discovery
• Date of removal, repair or enforcement action
• Date and method of removal verification

A copy of Herriman City’s Incident Response Report can be found in Appendix C.

4.2.3.6 Ceasing Illicit Discharges
Implement SOPs for ceasing the illicit discharge.

Herriman City is proactive in ceasing illicit discharges. When responding to an illicit discharge or spill, storm water personnel will respond to identify the source and require the violator to stop the discharge following the Cease Illicit Discharge SOP found in Appendix C. In the event where the violator is not present, city personnel take appropriate measures to cease the discharge at the source. Once the discharge has ceased, SOPs are followed to begin cleanup activities.

4.2.3.6.1 Requiring the cessation of an Illicit Discharge
Upon detection of illicit discharge and confirmation of responsible parties, take action to require immediate cessation of illicit discharges.

Herriman City will require immediate cessation of any illicit discharges within Herriman City boundaries. Reports will describe actions taken to comply with requirements and if requirements were not met. Reports will be maintained by the Water Resource Engineer.

4.2.3.6.2 Liability
Herriman City is required to address illicit discharges. However, strict liability is not imposed on Herriman City.

4.2.3.6.3 IDDE Investigation Reports
IDDE investigations need be thoroughly documented and may be requested at any time. All IDDE documentation shall be retained as required by the SWMP.

All IDDE investigations will be documented and retained by the Water Resource Engineer for a minimum of five years. The report describes actions taken to comply with requirements and if requirements were not met. A copy of the Storm Drain Incident Response Report is included in Appendix C.

Herriman City will use its GIS system to track illicit discharges and their subsequent costs and identify location trends for illicit discharges.

If Herriman City is unable to satisfy Part 4.2.3.5 or 4.2.3.6 of the Permit, Herriman City will immediately submit to the Director of the DWQ with the rationale describing why compliance was not achievable.

4.2.3.7 Illicit Discharge Education and Training
Inform public employees, businesses, and the general public of hazards associated with illicit discharges and improper disposal of waste.

IDDE related education is a part of the public education and employee training implemented within Herriman City as found in the following Parts of the SWMP:
4.2.1.1 Target Specific Pollutants and Sources
4.2.1.2 General Public Education and Outreach Program
4.2.1.3 Business and Commercial Institution Education Outreach Program
4.2.1.4 Construction Industry Education Program
4.2.6.10 Employee Training

4.2.3.8 Household Hazardous Waste
Promote or provide services for the collection of household hazardous waste.

Proper disposal of household hazardous waste is encouraged through tweets and newsletter ads referring readers to the Salt Lake County Household Hazardous Waste Program (https://slco.org/health/household-hazardous-waste/).

4.2.3.9 Public Hotline
Publicly list and publicize a hotline or other local telephone number for public reporting of spills and other illicit discharges. A record must be kept of all calls, follow up actions, and feedback received.

Herriman City maintains an after-hours emergency phone number: 801-446-5323 x2. Calls regarding hazards to the storm drain system are directed to storm water personnel within the city to investigate and follow up with Salt Lake County Health Department as necessary.

In the event of an illicit discharge, investigation and findings are documented in the Storm Drain Incident Response Report in Appendix C.

4.2.3.9.1 Spill/Dumping Response Procedure
Develop a written spill/dumping response SOP and flow chart for internal use. The list must be maintained and updated as changes occur.

When storm water personnel are notified of a spill, they will respond on site to assess the situation. Minor spills will employ the use of a spill kit or absorbents to clean the spill. Larger discharges of unknown or highly hazardous substances will result in contacting the Salt Lake County Health Department to help with response and containing the situation. Appendix C contains the Spill Response flow chart with contact information of appropriate personnel to respond to a spill or illicit discharge. Spill Response Plan SOPs are found in Appendix C. These documents will be updated as necessary.

4.2.3.10 Program Evaluation and Assessment
Adopt and implement procedures for program evaluation and assessment.

Herriman City’s IDDE program will be assessed annually by the Water Resource Engineer. Tracking IDDE incidents is in coordination with the Storm Drain Incident Response Report in Appendix C. The incidents will be mapped and tracked on the city’s GIS database. Records will be kept for a minimum of five years by the Water Resource Engineer.

4.2.3.11 Annual Training of Employees
Require all staff, contracted staff, and responsible entities that as part of their normal job responsibilities might come into contact with or otherwise observe an illicit discharge or connection to the MS4 receive annual training in the IDDE program. New hires are trained within 60 days of hire date and annually thereafter.
All Herriman City Public Works and Engineering employees are trained annually about the IDDE program and their responsibilities within the IDDE program. Training is documented to ensure attendance of all required employees.

The Herriman City Police Department are trained annually on illicit discharges as well. IDDE training is sent from the Water Resource Engineer to the Assistant Police Chief who distributes the training. All training is documented to ensure each member of the department is trained.

Office personnel who take calls regarding the report of an illicit discharge are trained annually on illicit discharges.

At least once annually, the Illicit Discharge reporting hotline will be exercised for training purposes to identify deficiencies in the system and ensure all personnel are trained as to proper procedures.

4.2.3.12 IDDE Documentation
Reservation for the director of DEQ to request measures be taken if concerns cannot be reasonably satisfied.

All documentation will be maintained and available in the office of the Water Resource Engineer and available to the Director of the DWQ when requested.
<p>| IDDE-01 | Storm Water System Map | Update system map to reflect 100% of updates and changes | Regularly update Herriman City's GIS maps as changes occur to storm drain system in order to ensure the map is complete and accurate at all times | 4.2.3.1 | Ongoing |
| IDDE-02 | IDDE Enforcement | Implement and Adopt IDDE Ordinance | Establish an ordinance which allows enforcement of IDDE program through escalating force and with legal authority | 4.2.3.1 | 1-Jul-21 |
| IDDE-03 | High Priority Assessment | Identify High Priority areas within Herriman City | Create a high priority area map and associated list to determine areas to be inspected on an annual basis. Update map and list annually or as need arises | 4.2.3.3 | 1 January 2021 initially and annually thereafter |
| IDDE-04 | Screen and assess High Priority Areas | Screen and assess 100% of High Priority IDDE areas annually | Based on the IDDE high priority map, screen and assess 100% of outfalls and other areas throughout the life of the permit. Report findings and enforce as necessary for compliance | 4.2.3.3 | Annually |
| IDDE-05 | Dry Weather Screening | Screen 100% of all outfalls during the permit period | Dry weather screen and document findings on all outfalls during the term of the permit | 4.2.3.3 | Ongoing |
| IDDE-06 | IDDE Reports | Respond to 100% of illicit discharge reports | All Illicit Discharge reports will be responded to according to city SOPs and documented thoroughly | 4.2.3.9 | Ongoing |
| IDDE-07 | IDDE SOP | Review all IDDE SOPs | Review and revise all IDDE SOPs by the city to ensure that the current approach is best suited to handling illicit discharge. | 4.2.3.4 - 4.2.3.6 | 1-Oct-21 |
| IDDE-08 | Household Hazardous Waste | Utilize social media platforms to provide information on household hazardous waste disposal on a yearly basis | As part of the city's social media campaign, use social media platform to share information on hazardous waste disposal | 4.2.3.8 | Annually |</p>
<table>
<thead>
<tr>
<th>IDDE-09</th>
<th>Public Hotline</th>
<th>Exercise public hotline for training purposes annually</th>
<th>Perform drills to allow for the exercise of the public hotline both during business hours and non-business hours to ensure the hotline runs as planned and to ensure personnel understand the execution of the flow chart</th>
<th>4.2.3.9</th>
<th>Annually</th>
</tr>
</thead>
<tbody>
<tr>
<td>IDDE-10</td>
<td>IDDE Tracking</td>
<td>Record 100% of illicit discharge events and track through Herriman City GIS map</td>
<td>Use the existing GIS storm water map to include layers regarding illicit discharge events to evaluate the efficacy of IDDE Program</td>
<td>4.2.3.10</td>
<td>Ongoing</td>
</tr>
<tr>
<td>IDDE-11</td>
<td>IDDE Training</td>
<td>Train 100% of applicable City Employees and contractors on an annual basis about IDDE program</td>
<td>Ensure Public Works, Engineering, Police, and Office staff employees receive training annually about the IDDE program, its functions and BMPs</td>
<td>4.2.3.11</td>
<td>Annually</td>
</tr>
</tbody>
</table>
4.2.4 Construction Site Storm Water Runoff Control

4.2.4.1 Erosion and Sediment Control Practices
Revise as necessary and enforce an ordinance that requires the use of erosion and sediment control practices at construction sites. The ordinance shall include sanctions to ensure compliance. The ordinance shall apply at a minimum to construction projects disturbing greater than or equal to one acre and to construction projects that are part of a larger common plan of development or sale which collectively disturbs land greater than or equal to one acre.

4.2.4.1.1 Require a SWPPP for Construction Projects
The ordinance must require construction operators to prepare a Storm Water Pollution Prevention Plan (SWPPP) and apply sediment and erosion BMPs as necessary.

Herriman City requires a detailed Storm Water Pollution Prevention Plan (SWPPP) and requirements are detailed within the City’s development standards. A SWPPP is required for all projects greater than or equal to one acre in size and for construction projects that are part of a larger common plan of development or sale which collectively disturbs land greater than or equal to one acre.

4.2.4.1.2 Private Property Access for Inspections
The ordinance needs include a provision for access by qualified personnel to inspect construction sites and storm water BMPs on private properties that discharge to MS4.

Herriman City is working towards adopting a storm water ordinance. Part of this ordinance will provide a provision allowing for qualified personnel to inspect storm water BMPs on construction sites and private properties discharging to the MS4. It is anticipated that the storm water ordinance will be adopted no later than 30 June 2021.

4.2.4.1.3 UPDES Storm Water Permit Requirements
Construction sites with land disturbance greater than or equal to one acre including projects part of a larger common plan of development or sale disturbing greater than or equal to one acre must obtain coverage under the current UPDES Storm Water General Permit.

Prior to beginning work on a construction site, a Notice of Intent from the State is required. This is applicable for all sites greater than or equal to one acre including projects that are part of a larger common plan of development or sale which collectively disturbs land greater than or equal to one acre. Once the permit has been issued, the permit will be verified through monthly inspections.

4.2.4.2 Enforcement Strategy
Develop a written enforcement strategy to ensure the ordinance or other regulatory mechanism is followed.

To date Herriman City has enforced construction SWPPP requirements through verbal notifications and stop work orders. However, enforcement strategy will be revised as part of the storm water ordinance that is in development. This ordinance will include escalation of force to ensure compliance with the ordinance. This ordinance is anticipated to be adopted no later than 30 June 2021.

4.2.4.2.1 Construction BMP Enforcement
Specify processes and sanctions to minimize the occurrence of violations, obtain compliance from violators, including appropriate escalating enforcement procedures and actions including an appeals process published in a publicly accessible location.
During the pre-construction meeting as well as the SWPPP review, requirements, and BMPs will be discussed to ensure compliance. On-site inspections by a qualified inspector (defined in Part 4.2.4.4.1) are completed to ensure that BMPs are installed properly and are operating correctly. If a storm water violation occurs or any other storm water quality issue is apparent during the inspection, the inspector has the authority to issue a warning or stop work order. Greater degrees of escalating enforcement procedures are being looked at to include with a new storm water ordinance.

4.2.4.2.2 Documentation of all Enforcement Actions

Document and track all enforcement actions.

Enforcement documents issued by inspectors are on file in the office of the Water Resource Engineer and through the city’s share drive.

4.2.4.3 SWPPP Requirements

Develop and implement a checklist for pre-construction SWPPP review that is consistent with the requirements of the current UPDES Storm Water General Permits for Construction Activities. Keep records for all construction sites that disturb greater than or equal to one acre, including projects that are part of a larger common plan of development or sale which collectively disturbs land greater than or equal to one acre. Keep records of these projects for five years or until construction is completed whichever is longer.

All construction sites disturbing greater than or equal to one acre, including projects that are part of a larger common plan of development or sale which collectively disturbs land greater than or equal to one acre are required to submit a Storm Water Pollution Prevention Plan (SWPPP). A SWPPP review is completed using the checklist that is available in Appendix D. The State’s SWPPP template is included in Appendix G. It is recommended that all developers use this template to ensure their project is in compliance with state requirements.

Records of these projects are kept for five years or until construction is completed, whichever is longer.

4.2.4.3.1 Pre-Construction Meeting

Conduct a pre-construction meeting to review critical elements of the project.

Pre-construction meetings are required for all sites over one acre which includes a review of the site plan, planned operations, BMPs that will be used during the construction phase, and BMPs used to manage runoff as a result of the development. During the pre-construction meeting, storm water is discussed with the contractor to ensure that storm water compliance will be satisfied before, during and after construction. The timeline and schedule required for the NOI, SWPPP inspections and NOT will be established to ensure all members of the team understand the storm water requirements.

4.2.4.3.2 Priority Construction Site Consideration

Identify priority construction sites based on factors that make erosion and sedimentation more problematic.

Herriman City will determine priority construction sites based on consideration of the following factors:

- Soil erosion potential;
- Site slope;
- Project size and type;
- Sensitivity of receiving water bodies (impaired or high-quality waters);
- Proximity to receiving water bodies; and,
• Non-storm water discharges and past record of non-compliance by the operators of the construction site.

**4.2.4.4 Construction Site Inspection Program**

*Develop and implement SOPs for construction site inspection and enforcement of construction storm water pollution control measures.*

During the life of a construction project, site inspections are completed to ensure BMPs are properly installed, maintained, and functioning properly on site to prevent construction storm water runoff from entering into the MS4. Storm water inspection procedures are located in Appendix D.

**4.2.4.4.1 New Construction Site Inspections**

*Inspections of all new construction sites must be performed at least monthly by qualified personnel.*

All sites greater than or equal to one acre, including projects that are part of a larger common plan of development or sale which collectively disturbs land greater than or equal to one acre are inspected by qualified personnel representing Herriman City on a monthly basis using the DEQs construction storm water inspection form. A copy of the DEQs storm water inspection form is located in Appendix D. Qualified Personnel will have one of the following certifications:

- Utah Registered Storm Water Inspector (RSI)
- Certified Professional in Erosion and Sediment Control (CPESC)
- Certified Professional in Storm Water Quality (CPSWQ)
- Certified Erosion, Sediment, and Storm Water Inspector (CESSWI)
- Certified Inspector of Sediment and Erosion Control (CISEC)
- National Institute of Certification in Engineering Technologies, Erosion and Sediment Control, Level 3 (NICET)
- Utah Department of Transportation Erosion Control Supervisor (ECS) (applicable to road/street projects only)

**4.2.4.4.2 Inspections Before, During and After Construction**

*Inspect all phases of construction: prior to land disturbance, during active construction, and following active construction. Create an SOP that explains procedure for transitioning between each phase.*

Herriman City Inspectors will inspect all projects private or public prior to land disturbance, during construction, and following active construction. The DEQs SWPPP Compliance Inspection Form is used for SWPPP inspections. A copy of the form is located in Appendix D.

Once construction is complete, the owner files for the Notice of Termination (NOT) with the state and lets the storm water inspector know that the NOT has been filed. Inspectors verify temporary BMPs have been removed and permanent BMPs are in place. The inspector then verifies the NOT in the EPA’s Central Data Exchange.

**4.2.4.4.3 Priority Construction Site Inspections**

*Priority sites shall be inspected at least every two weeks.*

Sites classified as “Priority Construction Sites” as determined by Part 4.3.4.3.2 will be inspected every two weeks using DEQ’s Construction Storm Water Inspection Form.
4.2.4.4. Electronic Site Inspection Tools

An electronic site inspection tool may be utilized in place of up to one-half of on-site MS4 inspections at a construction site provided the tool is first demonstrated to meet the requirements of 4.2.4.

Herriman City does not currently employ the use of electronic or virtual site inspections. Consideration may be given to this resource as development increases.

4.2.4.4.5 Site Inspection Follow Up

Based on site inspection findings, necessary follow-up action should be taken to ensure compliance in accordance with enforcement strategy. Follow up and enforcement must be tracked and documented.

Herriman City storm water inspectors follow up on issues discovered during inspection. When corrective actions are needed, pictures are taken for corrective action documentation. Herriman typically allows one week for corrective action to be resolved. Follow up inspections are conducted by walking through the site with the site supervisor to ensure compliance has been achieved. In the event that corrective actions have not been resolved, enforcement strategies will be employed until compliance is achieved. All follow up and enforcement actions are documented.

Herriman City is looking to implement a more effective follow up inspection procedure. SOPs will be developed alongside the storm water ordinance that is in development.

4.2.4.5 Staff Training

All staff whose primary job duties relate to implementing construction storm water program must be annually trained. Ensure that all new hires are trained within 60 days of hire and annually thereafter.

All staff with responsibilities related to construction activities and plan review will receive regular training to implement the construction storm water program. Inspectors with qualifications outlined in Part 4.2.4.3.2 will maintain at least one of the certifications to ensure permit compliance with conducting inspections. Training records will be maintained. Additional training details are included in Part 4.2.1.5.

4.2.4.6 Maintaining Records

Implement a procedure to maintain records of all projects. Records must be kept for five years or until construction is completed, whichever is longer.

All project records including SWPPPs, SWPPP reviews, inspections, and enforcement actions will be maintained for five years or until construction is completed, whichever is longer. Records will be maintained by the Water Resource Engineer.
<table>
<thead>
<tr>
<th>Activity/BMP</th>
<th>Measurable Goal</th>
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<th>Permit Section</th>
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</thead>
<tbody>
<tr>
<td>CSRC-01 SWPPP Review</td>
<td>Review 100% of SWPPP submittals for all development types</td>
<td>Review 100% of SWPPP submittals for all projects greater than or equal to one acre including projects that are part of a larger common plan of development or sale which collectively disturbs land greater than or equal to one acre</td>
<td>4.2.4.1</td>
<td>Ongoing</td>
</tr>
<tr>
<td>CSRC-02 Enforcement Strategy</td>
<td>Document and track enforcement actions</td>
<td>Document all enforcement actions by tracking all verbal and written warnings and stop work orders</td>
<td>4.2.4.2</td>
<td>Ongoing</td>
</tr>
<tr>
<td>CSRC-03 Pre-Construction Meeting</td>
<td>Require a pre-construction meeting that includes a review of the project and planned BMPs for the site</td>
<td>All projects greater than or equal to one acre including projects that are part of a larger common plan of development or sale which collectively disturbs land greater than or equal to one acre are required to have a pre-construction meeting to discuss the impacts of the project on storm water quality</td>
<td>4.2.4.3</td>
<td>Ongoing</td>
</tr>
<tr>
<td>CSRC-04 Construction Site Inspections</td>
<td>Complete construction site inspections for 100% of projects</td>
<td>All construction projects greater than or equal to one acre or part of a larger common plan of development are inspected at least monthly to ensure compliance providing proper storm water quality protection</td>
<td>4.2.4.4</td>
<td>Monthly</td>
</tr>
<tr>
<td>CSRC-05 Priority Site Inspection</td>
<td>Inspect 100% of priority construction sites every 2 weeks</td>
<td>All priority construction sites as identified are inspected twice a month to ensure compliance providing proper storm water quality protection</td>
<td>4.2.4.4</td>
<td>Bi-monthly</td>
</tr>
<tr>
<td>CSRC-06 Staff Training</td>
<td>Maintain Certifications</td>
<td>Ensure that RSI and/or CISEC certifications are maintained by construction site storm water inspectors</td>
<td>4.2.4.5</td>
<td>Ongoing</td>
</tr>
</tbody>
</table>
4.2.5 Long Term Storm Water Management in New Development and Redevelopment
(Post-Construction Storm Water Management)

4.2.5.1 Post-construction Controls

New development and redevelopment program must have requirements or standards to ensure that any storm water controls or management practices will prevent or minimize impacts to water quality.

Herriman City requires new development and redevelopment sites to follow the city’s standards for storm water management when working on a site within Herriman City boundaries. The city standards address common BMPs to minimize impacts to water quality.

4.2.5.1.1 Non-Structural BMPs

Development/Redevelopment program should include non-structural BMPs such as requirements and standards.

Herriman City’s development standards specify allowable discharge rates within the city for discharges into Rose Creek, Midas Creek, and Butterfield Creek. The most up to date values for discharge can be found in Herriman City’s Development Standards.

4.2.5.1.2 Retention Requirements

Define a specific hydrologic method for calculating runoff volumes and flow rates to ensure consistent sizing of structural BMPs and facilitate plan review. New development projects must manage rainfall on-site and prevent off-site discharge from all events less than or equal to the 80th percentile rainfall event or a predevelopment hydrologic condition, whichever is less.

Redevelopment projects that increase surface water by 10% shall manage rainfall on-site and prevent off-site discharge of the net increase in the volume associated with the precipitation from all rainfall events less than or equal to the 80th percentile rainfall event.

As of 1 July 2020 all new development and redevelopment projects within Herriman City that disturb land greater than or equal to one acre, including projects that are part of a larger common plan of development or sale which collectively disturbs land greater than or equal to one acre will manage rainfall on-site and prevent off-site discharge of precipitation from all rainfall events less than or equal to the 80th percentile rainfall event or a predevelopment hydrologic condition, whichever is less. The most up to date values for discharge can be found in Herriman City’s Development Standards.

Herriman City requires documentation be provided using the State of Utah’s Storm Water Quality report found in the DWQ’s “Guide to Low Impact Development within Utah” Appendix B “Storm Water Quality Report—Template” located in Appendix E.

4.2.5.1.3 Low Impact Development Approach

Requires the evaluation of a Low Impact Development (LID) approach for all projects subject to above requirements. Co-Permittees must allow for the use of a minimum of five LID practices. If no specific LID practices are adopted any feasible LID approach may be used.

Herriman City requires as part of the development review process the evaluation of a LID approach for all projects subject to the requirements in 4.2.5.1.2.

At the time, Herriman City has not specified which LID practices are permitted within the city. Once these are established, the standards and SWMP will be edited accordingly.
4.2.5.1.4 Rainwater Harvesting

Rainfall harvesting is legal. If it is to be collected and stored, state requirements must be met.

Herriman City will require projects that propose the harvesting of rainwater to meet the requirements of the Utah Division of Water Rights found on their website at:

https://waterrights.utah.gov/forms/rainwater.asp

4.2.5.1.5 Feasibility

If meeting retention standards is infeasible, a rationale shall be provided for the use of alternative design criteria.

If it is infeasible for a developer to meet the retention standards described in Part 4.2.5.1.2, Herriman City will require the developer to provide a rationale for the use of an alternative design. The developer will be required to provide documentation to Herriman City that infiltration, evapotranspiration, and rainwater harvesting have been used to the maximum extent feasible and that employment of the controls are infeasible due to site conditions/constraints. Conditions may include high ground water, drinking water source protection areas, soil conditions, slopes, accessibility, excessive costs or others.

4.2.5.2 Long Term Enforcement Strategy

Develop and adopt an ordinance that requires long-term post construction storm water controls at new development and redevelopment sites.

A site plan review is required as part of the development review process. During the site plan review, long term storm water protection measures will be required. Site inspections completed by public works inspectors will ensure that proposed long term storm water protection measures are installed and perform as designed. Storm water infrastructure is bonded with the city to ensure correct installation as designed.

Herriman city is in the process of updating the ordinances to require a post construction storm water plan and agreement.

4.2.5.2.1 Sanctions for Violations

Include enforcement provisions which include escalation procedures and actions.

Herriman City currently employs warnings and stop work orders to bring a violation into compliance. Herriman City is working to implement escalating enforcement procedures to impose greater sanctions to achieve compliance. Such enforcement procedures will be in place no later than 30 June 2021.

4.2.5.2.2 BMP Selection

Document how requirements of the ordinance or other regulatory mechanism will protect water quality and reduce the discharge of pollutants to the MS4.

The Long-Term Storm Water Management Program requires BMPs to be installed in new developments. This is intended to reduce targeted pollutants.

Developers and owners are required to submit documentation about their proposed BMPs which must meet the pollutant removal expected from the BMP and a technical basis that supports
performance claims. The Storm Water Quality Report—Template found in Appendix E is used for this documentation.

Herriman City has created a Long-Term Storm Water Inspection and Evaluation form found in Appendix C that is used for site inspections and enforcement of post construction storm water control measures as well as for annual inspections of high priority sites.

4.2.5.2.3 Post Construction Access
Include provision for post construction access to inspect storm water control measures on private properties that discharge to the MS4 to ensure adequate maintenance is being performed. Allow for, rather than having city staff inspect and maintain private storm water controls, requirement of owner to provide annual certification that adequate maintenance has been performed and controls are operating as designed.

Herriman City code does not provide access for storm water control measures to be inspected on private property to ensure maintenance is being performed. The long-term storm water management plan and agreement requires that the owner provides the city with annual inspection records and certification that structural controls are operating as designed.

Herriman City is working to implement this access provision to allow for inspections of storm water controls in private property. This ordinance will also allow the city to perform maintenance on private controls and recoup the costs. It is anticipated this ordinance will be implemented no later than 30 June 2021.

4.2.5.2.4 Permanent Structural BMP Inspection
Permanent structural BMPs shall be inspected at least once during installation. Prior to closing out construction permit, the city shall verify long-term BMPs were constructed as designed.

Herriman City requires permanent structural BMPs be inspected by public work inspectors during installation. As part of the bond release process, the structural BMPs must be verified to be constructed as designed.

4.2.5.2.5 Post Construction Inspections
Inspections and maintenance must be conducted at least every other year or as necessary to maintain functionality of the control. On sites where the property owner/operator is conducting maintenance, the city must inspect the storm water control measures at least once every five years to ensure maintenance is being performed.

Inspections of post-construction storm water controls and BMPs are performed by the owner/operator every year at a minimum. Records are sent to Herriman City as outlined in each agreement. To ensure proper maintenance, Herriman City will inspect post construction storm water controls at least once every five years. If it is suspected that adequate maintenance is not being performed, Herriman City will increase the inspection frequency on a case by case basis as needed. The Long-Term Storm Water Inspection and Evaluation From for post construction controls used for city inspections can be found in Appendix C.

4.2.5.3 Plan Review:

4.2.5.3.1 Consideration of Water Quality Impacts
Implement procedures for site plan review which incorporate consideration of water quality impacts.
Herriman City uses the Storm Water Quality Template found in Appendix E to document the review process for consideration of water quality impacts. Public Works inspections and the bond release process ensure projects are built as designed and operate as expected.

4.2.5.3.2 LID Implementation
Review post-construction plans to ensure that the plans include long-term storm water management measures that meet the requirements of this MCM.

Herriman City reviews long term storm water maintenance plans to ensure that development projects 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 meet the requirements of the minimum control measure.

4.2.5.4 Inventory
Maintain an inventory of all post-construction structural storm water control measures installed and implemented at new development and redevelopment sites. This inventory must include both public sites and private sites that were developed since the requirement came into effect.

Herriman City maintains an inventory of sites that have long term storm water maintenance agreements. The storm water controls on public and private properties are also maintained on Herriman City’s GIS Storm Drain map included in Appendix A.

4.2.5.4.1 Inventory Information
Each entry must include basic information on each project

Herriman City’s inventory maintains project information including the name, project address, owners name, contact information and start date. Long term maintenance plans and agreements detail the storm water control measures, maintenance requirements and inspection information.

4.2.5.4.2 Inventory Updates
Based on inspections conducted, update the inventory as appropriate where changes occur in property ownership or control measures implemented on site.

Based on inspections conducted per Part 4.2.5.2.5 Herriman City updates inventory information when changes occur in property ownership or control measures.

4.2.5.5 Training
All staff involved in post-construction storm water management must receive appropriate training. Ensure that all new hires are trained within 60 days of hire and annually thereafter.

Herriman City provides training for staff involved with post-construction storm water management through the annual APWA Conference, USWAC and other training opportunities as available. New hires or employees who become involved with post construction storm water management will be trained internally within 60 days of hire and annually thereafter.
## Long Term Storm Water Management Program Measurable Goals

<table>
<thead>
<tr>
<th>Activity/BMP</th>
<th>Measurable Goal</th>
<th>Description</th>
<th>Permit Section</th>
<th>Execution Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>LTSM-01</td>
<td>Long Term Program</td>
<td>Develop and Implement Long Term Storm Water Program</td>
<td>4.2.5.1, 4.2.5.2</td>
<td>Ongoing, Ordinance implement by 1 July 2021</td>
</tr>
<tr>
<td>LTSM-02</td>
<td>Discharge Restriction</td>
<td>Review 100% of development projects to ensure discharge is no greater than 0.02 cfs/acre</td>
<td>4.2.5.1.1</td>
<td>Ongoing</td>
</tr>
<tr>
<td>LTSM-03</td>
<td>On site rainfall management</td>
<td>Review 100% of development projects to ensure the 80th percentile storm is managed on site and that LID approaches be evaluated</td>
<td>4.2.5.1.2, 4.2.5.1.3</td>
<td>Ongoing</td>
</tr>
<tr>
<td>LTSM-04</td>
<td>Water Quality Review</td>
<td>Review 100% of development projects considering water quality impacts of development</td>
<td>4.2.5.3</td>
<td>Ongoing</td>
</tr>
<tr>
<td>LTSM-05</td>
<td>Agreement Execution</td>
<td>Execute long term storm water agreement for 100% of development and qualifying redevelopment projects</td>
<td>All construction projects greater than or equal to one acre or part of a larger common plan of development and redevelopment projects that increase surface water by 10% must execute a storm water maintenance agreement that addresses the on site management of the 80th percentile storm</td>
<td>4.2.5.3</td>
</tr>
<tr>
<td>LTSM-06</td>
<td>Agreement Inventory</td>
<td>Maintain a current inventory of all storm water maintenance agreements</td>
<td>Using spreadsheets and GIS tools, maintain an updated inventory of all sites that have storm water maintenance agreements as well as records of inspections performed by owners and MS4 personnel</td>
<td>4.2.5.4</td>
</tr>
<tr>
<td>LTSM-07</td>
<td>Training</td>
<td>Provide training opportunities annually</td>
<td>Have full time staff trained annually on Long Term Storm Water Management Program. Provide additional training through annual APWA trainings and monthly USWAC meetings</td>
<td>4.2.5.5</td>
</tr>
</tbody>
</table>
4.2.6 Pollution Prevention and Good Housekeeping for Municipal Operations

4.2.6.1 City Owned or Operated Facilities and Storm Water Controls
Develop and keep current a written inventory of all potential “high priority” facilities that are owned or operated by the city and all storm water controls.

See Appendix F for a list of all city owned or operated facilities. Butterfield Park is currently the only facility that has been identified as a “High Priority” facility.

4.2.6.2 Inventory Assessment
Assess the written inventory of city owned or operated facilities, operations and storm water controls and identify common pollutants that originate from these facilities and how to prevent them from entering the storm water system.

Appendix F contains a chart identifying all city owned or operated facilities including storm water controls and common pollutants that may originate from these facilities. Methods are outlined for preventing pollutants from entering the storm water system.

4.2.6.3 “High Priority” Sites
Identify sites that are high priority. Provide water quality control measures and BMPs at all high priority sites. Monitor the BMPs regularly to verify they are functioning. Specify monitoring schedules in the SWMP.

Butterfield Park serves as the City’s Public Works Operations Yard. Butterfield Park has been identified as a high priority site based on its location relative to Rose Creek and the quantity of urban pollutants stored on site. Control measures and BMPs are monitored through monthly inspections as outlined in Part 4.2.6.5.1.

Any additional facilities Herriman City takes ownership of in the future will be assessed and determined if they will be identified as high priority.

4.2.6.4 SWPPP for “High Priority” Facilities
Prepare a Storm Water Pollution Prevention Plan (SWPPP) for each high priority facility within 180 days of effective date of this permit.

A SWPPP has been developed for Butterfield Park and is updated as needed. The SWPPP identifies potential sources of pollution that are damaging to water quality and refers to SOPs outlined in this document to prevent discharge of those pollutants and maintain compliance with terms of the permit. The SWPPP is tailored to Butterfield Park and the operations that occur there. The SWPPP includes responsible parties for developing and implementing the plan, inventory of materials and potential pollutant sources as well as spill prevention and response.

SWPPPs will be prepared for future sites that are determined to be high priority.

The full SWPPP document can be found in Appendix F.

4.2.6.5 “High Priority” Facility Inspections
Conduct inspections at high priority city owned or operated facilities.

4.2.6.5.1 Monthly Visual Inspections
Perform monthly visual inspections of high priority facilities in accordance with developed SOPs.
Monthly visual inspections are performed at Butterfield Park in compliance with the Monthly Visual Inspection SOP included in Appendix F. The inspections are completed by the Storm Water Foreman or the Storm Water Manager’s designee. A copy of the Visual Inspection log used for the inspections is included in Appendix F. Deficiencies and corrective actions are documented with the Corrective Action Log and turned in to the Public Works Director of Operations. Copies of all logs are kept in the office of the Water Resource Engineer.

4.2.6.5.2 Semi-Annual Comprehensive Inspections
At least twice per year, a comprehensive inspection of high priority facilities must be performed.

Semi-annual inspections are performed at Butterfield Park in accordance with the Semi-Annual Comprehensive Inspections SOP. The Storm Water Foreman or the Storm Water Manager’s designee conducts these inspections. Procedures include paying attention to pollutant generating areas and storm water controls on site. The inspection report is reviewed with the Public Works Director of Operations. Deficiencies and corrective actions being completed will be confirmed and corrective actions will be addressed. A copy the SOP and the form used for semi-annual comprehensive inspections are included in Appendix F.

4.2.6.5.3 Annual Visual Observations of Storm Water Discharges
At least once per year, visually observe the quality of the storm water discharges from the high priority facilities during the first half hour of a measurable storm.

In conjunction with the semi-annual comprehensive inspection and where feasible, the Storm Water Foreman will visually observe storm water discharges. Best efforts will be made to complete at least one observation annually during the wet season.

Observations of storm water discharges will be noted on the comprehensive inspection form including deficiencies and recommended corrective actions. Copies of the SOP and the form for annual visual wet weather observations are included in Appendix F.

4.2.6.6 Facility Specific SOPs
Develop and implement SOPs to protect water quality at each facility owned or operated by the city and/or activities conducted by the city.

4.2.6.6.1 SOPs Addressing Water Quality
Address practices to ensure they are protective of water quality.

The city has created SOPs that can be found in Appendix F. These include:

- Vehicle and Equipment Washing
- Parking Lot and Sump Maintenance
- Fueling Procedures
- Dumpsters and Garbage Storage
- Concrete Work
- Excavation Work
- Pressure Washing
- Saw Cutting
- Snow Removal
- Pesticides
Herriman City
Storm Water Management Plan

- Street Sweeping
- Catch Basin Cleaning
- Vehicle and Equipment Storage
- Vehicle and Equipment Maintenance
- Material Storage

Herriman City is currently working to update existing SOPs and implementing new SOPs. Additional SOPs will be included as updates are made. Maintenance Logs associated with these SOPs can be found in Appendix F.

4.2.6.6.2 Maintenance SOPs
Include a schedule for city owned road and parking lot sweeping and storm drain system maintenance.

Parking lots for city owned facilities will be swept annually. All streets within the city will be swept at least twice per year. Logs are maintained in the office of the Water Resource Engineer.

4.2.6.6.3 Disposal Methods of Waste and Wastewater
Document proper disposal methods of all waste and wastewater removed during cleaning and maintenance of the storm water conveyance system.

Waste collected by the street sweepers or from vactor trucks is dumped in a retention bay at Butterfield Park. Waste water is evaporated from the retention area as much as possible. Solid waste is loaded onto trucks and disposed of at a local landfill. Dump tickets are kept in the office of the Storm Water Manager.

4.2.6.6.4 Discharge of Wash Waters
Ensure that vehicle, equipment and other wash waters are not discharged to the MS4 or waters of the state.

Vehicle fluids and fluids from the wash bay are intercepted by an oil/water separator prior to being discharged into the sanitary sewer system. This ensures that polluted water from vehicles and wash waters are not introduced into Herriman City’s MS4 system.

4.2.6.6.5 Spill Prevention Plan
Develop a spill prevention plan in coordination with the local fire department.

The spill prevention plan can be found in Appendix C. When necessary, Herriman City will coordinate with the local fire department for chemical and hazmat spills.

4.2.6.6.6 Floor Drain Inventory
Maintain an inventory of all floor drains inside all city owned or operated buildings. Ensure floor drains discharge to appropriate locations.

Herriman City maintains an inventory of all floor drains inside of city owned or operated buildings. All floor drains connect to the sanitary sewer system. The city has a total of 95 floor drains in all facilities. Maps of facilities showing floor drains are included in Appendix F.

4.2.6.7 Third Party Standards/Expectations
Ensure through contractually required documentation and periodic site visits that contractors performing O&M activities for the city are using appropriate storm water controls.

Herriman City oversees O&M for all city owned and maintained structures. Any services contracted out to third party members are expected to abide by the same SOPs as Herriman City Employees.

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4.2.6.8 Water Quality Impacts of New Structural Controls

Develop and implement a process to assess the water quality impacts in the design of all new flood management structural controls that are associated with the city or that discharge to the MS4.

4.2.6.8.1 Water Quality Impacts of New Structural Controls

Develop and implement a process to assess the water quality impacts in the design of all new flood management structural controls that are associated with the city or that discharge to the MS4.

To satisfy Part 4.2.6.8 and 4.2.6.8.1, the Water Resource Engineer and City Engineer will assess new and existing flood management structural controls during the permit coverage to determine if changes need be made to improve water quality. Findings and recommendations throughout the coverage period will be reported on the Structural Assessment Form found in Appendix F.

As retrofit opportunities present themselves, Herriman City will continue to assess additional controls to determine whether changes should be made to improve water quality.

4.2.6.9 Retrofitting Existing Developed Sites

Develop a plan to retrofit existing developed sites the city owns or operates that are adversely impacting water quality.

Herriman City will seek opportunities to retrofit existing city owned facilities and incorporate LID solutions.

4.2.6.10 Employee Training

All staff who have primary operation or maintenance job functions that are likely to impact storm water quality must be annually trained. Ensure that all new hires are trained within 60 days of hire and annually thereafter.

Herriman City’s Public Works personnel are trained annually in relation to their responsibilities in relation to storm water quality. Public Works staff participate in weekly safety meetings that frequently emphasize the importance of storm water quality and ensure proper training for all staff. Refer to Part 4.2.1.5 for additional information regarding employee training. All training is documented and records are kept by the Water Resource Engineer.
<table>
<thead>
<tr>
<th>Activity/BMP</th>
<th>Measurable Goal</th>
<th>Description</th>
<th>Permit Section</th>
<th>Execution Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>PPGH-01 City Facilities</td>
<td>Annually update city owned and high priority lists</td>
<td>At least once annually update the city owned facilities list and review the list to determine if any sites should be considered to be high priority. This will include an inventory of storm water controls and pollutants that may originate from these facilities</td>
<td>4.2.6.1, 4.2.6.2, 4.2.6.3</td>
<td>Annually</td>
</tr>
<tr>
<td>PPGH-02 High Priority SWPPP</td>
<td>Annually review SWPPPs for high priority sites</td>
<td>At least once annually review the SWPPPs that have been developed for city owned or operated sites that have been determined to be high priority. Make any updates to the SWPPP as necessary</td>
<td>4.2.6.4</td>
<td>Annually</td>
</tr>
<tr>
<td>PPGH-03 Monthly Visual Inspections</td>
<td>Complete 100% of monthly visual inspections</td>
<td>Complete and document 100% of monthly visual inspections for city owned or operated facilities determined to be high priority. Implement any corrective actions</td>
<td>4.2.6.5.1</td>
<td>Monthly</td>
</tr>
<tr>
<td>PPGH-04 Semi-Annual Comprehensive Inspections</td>
<td>Complete 100% of Semi-Annual Comprehensive Inspections</td>
<td>Complete and document 100% of the Semi-Annual comprehensive inspections for city owned or operated facilities determined to be high priority. Implement any corrective actions.</td>
<td>4.2.6.5.2</td>
<td>Semi-Annually</td>
</tr>
<tr>
<td>PPGH-05 Annual Visual Storm Water Discharge Observation</td>
<td>Complete 100% of Annual Visual Storm Water Discharge Observations</td>
<td>Visual storm water discharges should be observed at least annually for city owned or operated facilities determined to be high priority. Implement any corrective actions.</td>
<td>4.2.6.5.3</td>
<td>Annually</td>
</tr>
<tr>
<td>PPGH-06 Street Sweeping</td>
<td>100% of Arterials and Mains swept annually</td>
<td>All city owned and maintained arterials and mains will be swept at least once annually</td>
<td>4.2.6.6.2</td>
<td>Annually</td>
</tr>
<tr>
<td>PPGH-07</td>
<td>Floor Drains</td>
<td>Identify 100% of floor drains</td>
<td>Floor drains located in city-owned or operated facilities will be identified, inventoried and will confirm that floor drains connect to sanitary sewer system</td>
<td>4.2.6.6.6</td>
</tr>
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</tr>
<tr>
<td>PPGH-08</td>
<td>Structural Controls Assessment</td>
<td>Asses 100% of city owned structural controls</td>
<td>At least annually evaluate city owned structural controls and determine potential for retrofit</td>
<td>4.2.6.8</td>
</tr>
<tr>
<td>PPGH-09</td>
<td>Employee Training</td>
<td>Train 100% of employees</td>
<td>Provide training opportunities for all employees who have job responsibilities that involve storm water quality impacts</td>
<td>4.2.6.10</td>
</tr>
</tbody>
</table>
4.4 Sharing Responsibility

4.4.1 Reliance on Other Entities
Herriman City shares the responsibility of Minimum Control Measures 1 and 2 with Salt Lake County outlined in an interlocal agreement found in Appendix G.

4.5 Reviewing and Updating Storm Water Management Programs

4.5.1 Annual Review
Herriman City’s SWMP is reviewed on an annual basis after the end of the fiscal year by the Water Resource Engineer. Any suggested modifications are discussed with the City Engineer and Public Works Director prior to approval.

When updates are made to the SWMP they will be submitted to the DWQ.

4.5.2 Program Updates
Updates to the Storm Water Management program will be made as needed in accordance with updated requirements.

4.5.2.1 Addition to Program
Additions to the SWMP will be submitted to the Director of the DWQ and documented.

4.5.2.2 Replacing Program Details
When ineffective or infeasible BMPs are replaced by alternate BMPs, a description of the city’s evaluation will be documented and submitted to the Director of the DWQ for approval.

4.5.2.3 Replacing Ineffective or Infeasible BMPs
Herriman City may replace an ineffective or infeasible BMP during the permit period. If this is done, it will be clearly outlined and submitted to the Director of the DWQ for approval. An evaluation for replacing a BMP will include:

4.5.2.3.1 Explanation
An explanation of why the BMP is ineffective or infeasible;

4.5.2.3.2 Effectiveness
The expectations or report on the effectiveness of the replacement BMP;

4.5.2.3.3 Analysis
An analysis of why the replacement BMP is expected to achieve the goals of the replaced BMP;

4.5.3 Documentation of Changes
Change requests will be written, signed, and submitted to the Director of the DWQ per State Requirements.

4.5.4 Approval of Change Requests
Notification of confirmation of change requests will be received in writing from the Director of the DWQ.
4.5.5 Storm Water Management Program Updates Required by the DWQ

Herriman will address program updates required by the Director of the DWQ when notified. Updates may include:

4.5.5.1 Impact
Addressing impacts on receiving water quality caused or contributed to by discharges from the MS4;

4.5.5.2 Compliance with Requirements
Include more stringent requirements necessary to comply with new federal regulatory requirements; or

4.5.5.3 Goals of Clean Water Act
Include such other conditions deemed necessary by the Director of the DWQ to comply with the goal and requirements of the Clean Water Act.

5.3 Analytical Monitoring
Herriman City is a Phase II co-permittee and is not required to perform analytical monitoring.

5.4 Non-analytical Monitoring
Per Part 4.2.3.3.2, visual dry weather screening will be completed.

5.5 Record Keeping

5.5.1 Maintain SWMP
All portions of the SWMP and supplementary documents located in the Appendices will be updated and maintained to stay current with program details.

5.5.2 Supplementary Document Updates
All modifications to supplementary documentation (i.e. Appendices and SOPs included in the SWMP) will be submitted to the Director of the DWQ.

5.5.3 Division Modifications
If the Director of the DWQ provides written determination that parts or all of the supplementary documents are not in compliance with permit requirements, Herriman City will make modifications to be completed within a time frame specified by the Director of the DWQ.

5.5.4 Document Retention
All documents related to compliance with the permit and the SWMP will be maintained for at least five years.

5.5.5 Public Availability
All documents will be made available to the public upon request.
5.6 Reporting

5.6.1 Annual Reporting
Herriman City submits its report to the Division of Water Quality using the form required from the DEQ website. The report will be submitted by October 1 of each year by uploading directly to the DWQ’s document system on the DWQ’s website.

5.6.2 Submission of the Annual Report
Herriman City will submit annual reports to the DWQ using the report form provided on the DWQ’s website:


5.6.3 Report Certification
Each annual report will be signed and certified according to part 6.8 of the Jordan Valley Municipalities Permit.

5.6.4 Report Submission
Signed copies of the annual report and all other reports required within the permit, will be submitted directly to the DWQ through their electronic document system at:


5.7 Legal Authority
Through the Herriman City Municipal code, Herriman City has ensured appropriate legal authority to:

5.7.1 Industrial Activity
Control the contribution of pollutants to the MS4 by storm water discharges associated with industrial activity;

5.7.2 Prohibit Illicit Discharges
Prohibit illicit and non-storm water discharges through ordinance and implement appropriate enforcement procedures;

5.7.3 Control
Control discharge of spills and dumping or disposal of materials other than storm water into the MS4;

5.7.4 Interagency Agreements
Through interagency agreements control the contribution of pollutants from one portion of the MS4 to another;

5.7.5 Compliance
Require compliance with conditions in ordinances, permits, contracts or orders; and

5.7.6 Inspect
Determine compliance with permit through inspections, surveillance, and monitoring activities.
6.0 Standard Permit Conditions
Herriman City will comply with the standard permit conditions outlined in Parts 6.0 through 6.7 of the Jordan Valley Municipalities Permit.

6.8 Signatory Requirements
The permit application will be signed by either a principal executive officer or ranking elected official per the requirement of Part 6.8.1 of the Permit. The following certification statement will be made:

“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.”

6.9 Availability of Reports
The Storm Water Management Plan, reports, and appendices will be available on Herriman City’s website as well as the office of the Water Resource Engineer for the life of the plan.