Farmington City

Storm Water Management Program

Permit # UTR090006

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

Submitted by:
Farmington City
160 S Main
Farmington, UT 84025

May, 2016

Purpose

Farmington City's Storm Water Management Program (SWMP) is intended to give direction to the City in satisfying Federal and State water quality requirements as set forth under the National Pollutant Discharge Elimination System (NPDES) and Utah Pollutant Discharge Elimination System (UPDES) permits. The purpose of the SWMP is to establish a program which will effectively limit the discharge of pollutants from the Farmington City storm drainage system to the maximum extent practicable (MEP).

In an effort to prevent harmful pollutants from being carried by storm water runoff into local water bodies, this program outlines the implementation of controls in specific areas. The six minimum control measures addressed under the UPDES permit are:

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 Development and Redevelopment (Post-Construction Storm Water Management)
6. Pollution Prevention and Good Housekeeping for Municipal Operations

The SWMP includes the following information for each of the six minimum control measures:

- The Best Management Practices (BMPs) that the City will implement.
- The measurable goals for each of the BMPs.
- The persons/positions responsible for implementing or coordinating the BMPs.
- A rationale for how and why each of the BMPs and measurable goals for the program was selected.

Legal Authority

Federal

In 1972 Congress enacted the Clean Water Act (CWA). The primary purpose for this federal statute is to protect the nation's waters. The objective of the Act is the total elimination of the discharge of pollutants into the nation's waters. The NPDES is a provision of the CWA. This provision prohibits discharge of pollutants into waters of the United States unless a special permit is issued by the Environmental Protection Agency (EPA), a state, or another delegated agency. As authorized by the CWA, the NPDES permit program controls water pollution by regulating point sources that discharge into waters of the United States. Point sources are discreet conveyances such as pipes or man-made ditches.

Phase II of the NPDES permit program focuses on Small Municipal Separate Storm Sewer Systems (MS4s). The regulated entities must obtain coverage under an NPDES

storm water permit and implement a SWMP. The main objective of the program is to control point source pollution in urbanized areas to the maximum extent practicable.

State

The State Department of Environmental Quality (DEQ) administers the NPDES permit program in the State of Utah. The State has a General Permit. The DEQ issues UPDES permits under the State's General Permit.

County

Each of the 15 cities in Davis County files for separate permits. Although Farmington City has been issued a separate permit, the City works jointly with the Davis County Storm Water Coalition and the Davis County Health Department to facilitate a program addressing the first three minimum control measures:

1. Public Education and Outreach on Storm Water Impacts
2. Public Involvement/Participation
3. Illicit Connection and Illicit Discharge Detection and Elimination

Components of the Coalition's program include public education and training among joint partners in the County. The Davis County Health Department cooperates with illicit discharge detection and elimination.

City

Farmington is located in Davis County. The population of the community is estimated to be 21,000. The majority of the land use in the City is residential. There are some agricultural areas, and commercial development is increasing.

Farmington City will implement management practices that will effectively limit the discharge of pollutants from the storm drainage system, protect water quality, and satisfy the appropriate water quality requirements of the *Utah Water Quality Act*. The City has established legal authority to control discharges to and from the storm drainage system through a combination of statute, ordinance, permit, contract or order.

Management and oversight of the Farmington City Storm Water Management Program is funded by the Farmington City Storm Water Utility. The Farmington City SWMP is coordinated by the Storm Water Official.

SWMP Review and Modification

Farmington City will participate in an annual review of the SWMP. In conjunction with that review, an annual report will be prepared and submitted to the State. Any changes or modifications will be described and submitted. This review will include the following:

- A status review of the program implementation and compliance with the schedule of compliance contained in the SWMP
- A review of any revision or change of BMPs in the reporting year and assessment of the change or revision for effectiveness
- An overall assessment of the goals and direction of the SWMP and effectiveness of BMPs

An annual report will be submitted using the report form provided on the Division of Water Quality's (Division) website.

The SWMP may be modified in compliance with the following:

- Changes adding (but not subtracting) components, controls, or requirements to the SWMP may be made at any time upon written notification to the Division.
- Changes replacing an ineffective or unfeasible BMP specifically identified in the SWMP with an alternate BMP may be adopted at any time, provide the analysis is clearly outlined and subsequently approved by the Division. An analysis shall include:
    1. An explanation of why the BMP is ineffective or infeasible.
    2. Expectations or report on the effectiveness of the replacement BMP.
    3. An analysis of why the replacement BMP is expected to achieve the goals of the BMP to be replaced, or has achieved those goals.

- Change requests or notification must be made in writing and signed as required.

Chapter One

Public Education and Outreach

The purpose of this chapter is to define the outreach and education efforts that will be used to inform the public about storm water pollution issues in Farmington City. The City will continue to participate with the Davis County Storm Water Coalition in its efforts to provide public education and outreach to the citizens in Davis County.

Requirements

1. The City will participate in a public education and outreach program to promote behavior change by the public to reduce water quality impacts associate with pollutants in storm water runoff and illicit discharges. The effort will include a multimedia approach and shall be targeted and presented to specific audiences for increased effectiveness. Education and outreach efforts will include the following four audiences: (1) residents, (2) businesses, institutions, and commercial facilities, (3) developers and contractors (construction), and (4) MS4-owned or operated facilities. The minimum performance measures which should be based on land use and target audiences found within the community include:
    a. Targeting specific pollutants and pollutant sources determined by the Coalition or City to be impacting, or have the potential to impact, the beneficial uses of receiving water. This includes providing information and outreach activities which describe the potential impacts from storm water discharges; methods for avoiding, minimizing, reducing and/or eliminating the adverse impacts of storm water discharges and the actions individuals can take to improve water quality, including encouraging participation in local environmental stewardship activities, based on the land uses and target audiences found within the City.
    b. Provide and document information given to the general public of the City's prohibitions against and the water quality impacts associated with illegal discharges and improper disposal of waste.
    c. Provide and document information given to institutions, industrial, and commercial facilities on an annual basis of the Permittee's prohibition against and the water quality impacts associated with illicit discharges and improper disposal of waste.
    d. Providing information for engineers, construction contractors, developers, development review staff, and land use planners about the development of storm water pollution prevention plans (SWPPPs) and BMPs for reducing adverse impacts from storm water runoff from development sites.
    e. Provide and document information and training given to employees of Permittee owned or operated facilities concerning the Permittee's prohibition against and the water quality impacts associated with illicit discharges and improper disposal of waste.
    f. Providing and documenting training given to MS4 engineers, development and plan review staff, land use planners, and other parties as applicable to

learn about Low Impact Development (LID) practices, green infrastructure practices, and to communicate the specific requirements for post-construction control and the associated Best Management Practices (BMPs) chosen within the SWMP.

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Specific targeted pollutants and audiences were discussed in meetings with the Coalition members. Notes from those meetings are on record at Farmington City Hall.

Appendix A is a table showing the proposed activities of the Davis County Storm Water Coalition in which Farmington City will participate:

Measurable Goals

The table below represents measurable goals that are to be implemented and assessed during the permit term. The purpose of measurable goals is to gauge permit compliance and program effectiveness.

Measurable Goals- Public Education & Outreach			
Target Date	**BMP**	**Responsible Party**	**Rationale**
		DCSWC= Davis County Storm Water Coalition	
1st Year July, 2017	○ Provide funding and review of 4th grade outreach program and provide education for all 4th grade classes in Davis County in cooperation with the Davis County Storm Water Coalition	DCSWC	This fits in with the curriculum and reaches future adults in the community
	○ Provide funding and participate in annual Water Fair for 4th graders in cooperation with the Davis County Storm Water Coalition	DCSWC	This fits in with the curriculum and reaches future adults in the community
	○ Publish one article in the Farmington City Newsletter addressing local storm water issues	Ken Klinker	There is a need to educate residents. The newsletter reaches everyone with the water bill.
	○ Provide funding through the Davis County Storm Water Coalition for the Salt Lake County television ad campaign	DCSWC	This is a joint program with other counties which has been funded for several years to reach the maximum number of residents.
	○ Provide funding and support for contractor, municipal employee, developer, institutions, industrial and commercial facilities etc. training annually through the Davis County Storm Water Coalition	DCSWC	There is a need to fund training for these groups. The coalition can facilitate the training for all participating communities.
2nd Year July, 2018	○ Provide funding and review of 4th grade outreach program and provide education for all 4th grade classes in Davis County in cooperation with the Davis County Storm Water Coalition	DCSWC	This fits in with the curriculum and reaches future adults in the community
	○ Provide funding and participate in annual Water Fair for 4th graders in cooperation with the Davis County Storm Water Coalition	DCSWC	This fits in with the curriculum and reaches future adults in the community
	○ Publish one article in the Farmington City Newsletter addressing local storm water issues	Ken Klinker	There is a need to educate residents. The newsletter reaches everyone with the water bill.
	○ Provide funding through the Davis County Storm Water Coalition for the Salt Lake County television ad campaign	DCSWC	This is a joint program with other counties which has been funded for several years to reach the maximum number of residents.
	○ Provide funding and support for contractor, municipal employee, developer etc. training annually through the Davis County Storm Water Coalition	DCSWC	There is a need to fund these groups. The coalition can facilitate the training for all participating communities.

3rd Year July, 2019	○ Provide funding and review of 4th grade outreach program and provide education for all 4th grade classes in Davis County in cooperation with the Davis County Storm Water Coalition	DCSWC	This fits in with the curriculum and reaches future adults in the community
	○ Provide funding and participate in annual Water Fair for 4th graders in cooperation with the Davis County Storm Water Coalition	DCSWC	This fits in with the curriculum and reaches future adults in the community
	○ Publish one article in the Farmington City Newsletter addressing local storm water issues	Ken Klinker	There is a need to educate residents. The newsletter reaches everyone with the water bill.
	○ Provide funding through the Davis County Storm Water Coalition for the Salt Lake County television ad campaign	DCSWC	This is a joint program with other counties which has been funded for several years to reach the maximum number of residents.
	○ Provide funding and support for contractor, municipal employee, developer, institutions, industrial and commercial facilities etc. training annually through the Davis County Storm Water Coalition	DCSWC	There is a need to fund these groups. The coalition can facilitate the training for all participating communities.
4th Year July, 2020	○ Provide funding and review of 4th grade outreach program and provide education for all 4th grade classes in Davis County in cooperation with the Davis County Storm Water Coalition	DCSWC	This fits in with the curriculum and reaches future adults in the community
	○ Provide funding and participate in annual Water Fair for 4th graders in cooperation with the Davis County Storm Water Coalition	DCSWC	This fits in with the curriculum and reaches future adults in the community
	○ Publish one article in the Farmington City Newsletter addressing local storm water issues	Ken Klinker	There is a need to educate residents. The newsletter reaches everyone with the water bill.
	○ Provide funding through the Davis County Storm Water Coalition for the Salt Lake County television ad campaign	DCSWC	This is a joint program with other counties which has been funded for several years to reach the maximum number of residents.
	○ Provide funding and support for contractor, municipal employee, developer, institutions, industrial and commercial facilities etc. training annually through the Davis County Storm Water Coalition	DCSWC	There is a need to fund these groups. The coalition can facilitate the training for all participating communities.
5th Year July, 2021	○ Provide funding and review of 4th grade outreach program and provide education for all 4th grade classes in Davis County in cooperation with the Davis County Storm Water Coalition	DCSWC	This fits in with the curriculum and reaches future adults in the community
	○ Provide funding and participate in annual Water Fair for 4th graders in cooperation with the Davis County Storm Water Coalition	DCSWC	This fits in with the curriculum and reaches future adults in the community
	○ Publish one article in the Farmington City Newsletter addressing local storm water issues	Ken Klinker	There is a need to educate residents. The newsletter reaches everyone with the water bill.
	○ Provide funding through the Davis County Storm Water Coalition for the Salt Lake County television ad campaign	DCSWC	This is a joint program with other counties which has been funded for several years to reach the maximum number of residents.
	○ Provide funding and support for contractor, municipal employee, developer, institutions, industrial and commercial facilities etc. training annually through the Davis County Storm Water Coalition	DCSWC	There is a need to fund these groups. The coalition can facilitate the training for all participating communities.

Chapter Two

Public Involvement and Participation

The purpose of this chapter is to outline a plan to include public involvement and participation in the process for developing this Storm Water Management Program.

Requirements

1. The City must implement a program that complies with applicable state and local public notice requirements. The SWMP shall include ongoing opportunities for public involvement and participation such as advisory panels, public hearings, watershed committees, stewardship programs, environmental activities, other volunteer opportunities, or other similar activities. The City should involve all potentially affected stakeholder groups, which include but are not limited to, commercial and industrial businesses, trade associations, environmental groups, homeowners associations, and education organizations. The minimum performance measures will be:
    a. The City shall adopt a program or policy directive to create opportunities for the public to provide input during the decision making processes involving the development, implementation and update of the SWMP, including development and adoption of all required ordinances and regulatory mechanisms.
    b. The City will make the latest updated version of the SWMP available to the public for review and input. A current version of the SWMP will remain available for public review and input for the life of the permit. The City will post the latest version of the SWMP on its website to allow the public to review and provide input.
    c. Notice of all SWMP-related public hearings should be published in a community publication or newspaper of general circulation to provide opportunities for public involvement.

Measurable Goals

Measurable Goals- Public Involvement & Participation			
Target Date	**BMP**	**Responsible Party**	**Rationale**
1st Year July, 2017	○ Hold a public hearing to provide input and adopt the SWMP	Farmington City	Want to receive public review and input
	○ Participate in Storm Water Coalition meetings which include input from private sector representatives	Ken Klinker	Helps us to work together to address issues and get input from the private sector
	○ Post SWMP on Farmington City Website and request public input into program	Ken Klinker	Permit requirement and desire to have public input
	○ Respond to all comments received concerning SWMP	Ken Klinker	Permit requirement and desire to address public concerns
	○ Revise SWMP on an annual basis if needed	Ken Klinker	Permit requirement
2nd Year July, 2018	○ Hold a public meeting to solicit input on potential changes to the SWMP	Farmington City	Want to receive public review and input
	○ Participate in Storm Water Coalition meetings which include input from private sector representatives	Ken Klinker	Helps us to work together to address issues and get input from the private sector
	○ Post the SWMP on the Farmington City Website and request public input into program	Ken Klinker	Permit requirement and desire to have public input
	○ Respond to all comments received concerning SWMP	Ken Klinker	Permit requirement and desire to address public concerns
	○ Revise SWMP on an annual basis if needed	Ken Klinker	Permit requirement
3rd Year July, 2019	○ Hold a public meeting to solicit input on potential changes to the SWMP	Farmington City	Want to receive public review and input
	○ Participate in Storm Water Coalition meetings which include input from private sector representatives	Ken Klinker	Helps us to work together to address issues and get input from the private sector
	○ Post the SWMP on the Farmington City Website and request public input into program	Ken Klinker	Permit requirement and desire to have public input
	○ Respond to all comments received concerning SWMP	Ken Klinker	Permit requirement and desire to address public concerns
	○ Revise SWMP on an annual basis if needed	Ken Klinker	Permit requirement
4th Year July, 2020	○ Hold a public meeting to solicit input on potential changes to the SWMP	Farmington City	Want to receive public review and input
	○ Participate in Storm Water Coalition meetings which include input from private sector representatives	Ken Klinker	Helps us to work together to address issues and get input from the private sector
	○ Post the SWMP on the Farmington City Website and request public input into program	Ken Klinker	Permit requirement and desire to have public input
	○ Respond to all comments received concerning SWMP	Ken Klinker	Permit requirement and desire to address public concerns
	○ Revise SWMP on an annual basis if needed	Ken Klinker	Permit requirement

5th Year July, 2021	○ Hold a public meeting to solicit input on potential changes to the SWMP	Farmington City	Want to receive public review and input
	○ Participate in Storm Water Coalition meetings which include input from private sector representatives	Ken Klinker	Helps us to work together to address issues and get input from the private sector
	○ Post the SWMP on the Farmington City Website and request public input into program	Ken Klinker	Permit requirement and desire to have public input
	○ Respond to all comments received concerning SWMP	Ken Klinker	Permit requirement and desire to address public concerns
	○ Revise SWMP on an annual basis if needed	Ken Klinker	Permit requirement

Chapter Three

Illicit Discharge Detection and Elimination

The purpose of this chapter is to outline a program designed to systematically find and eliminate sourced of non-storm water discharges from the Farmington storm water system and to implement defined procedures to prevent illicit connections and discharges.

Farmington City will work with the Davis County Public Health Department, which maintains an illicit discharge reporting hotline, to evaluate illicit discharges and assure that they are stopped and properly cleaned up.

Requirements

Farmington City will:

1. Maintain a current storm sewer system map of the City, showing the location of all municipal storm sewer outfalls and the names and location of all state waters that receive discharges from those outfalls, storm drain pipes, and other storm water conveyance structures within the system.
2. Effectively prohibit, through ordinances or other regulatory mechanisms, illicit discharges to the MS4, including spills, illicit connections, illegal dumping and sanitary sewer overflows ("SSOs") into the storm sewer system, require removal of such discharges consistent with Part 4.2.3.6. of the permit, and implement appropriate enforcement procedures and actions.
3. The IDDE program must have adequate legal authority to detect, investigate, eliminate and enforce against non-storm water discharges, including illegal dumping, into the MS4. Adequate legal authority consists of an effective ordinance, by-law, or other regulatory mechanism. The documented IDDE program that is included in the City's SWMP must include a reference or citation of the authority the City will use to implement all aspects of the IDDE program.
4. Implement a written plan to detect and address non-storm water discharges to the MS4, including spills, illicit connections, sanitary sewer overflows and illegal dumping.

Ordinance for Illicit Discharges

Farmington City Ordinance 16-04-140 addresses illicit discharges to the storm water system. The Storm Water Ordinance, Title 16, provides for penalties for violating the ordinance.

Measurable Goals- IDDE			
Target Date	**BMP**	**Responsible Party**	**Rationale**
1st Year July, 2017	○ Develop the IDDE Program for the City.	Ken Klinker	Permit requirement
	○ Adopt the IDDE Program after receiving public input at a public hearing.	Farmington City	Will provide authority to carry out the program, and allow citizens to provide input
	○ Create a list of priority areas likely to have illicit discharges	Ken Klinker	Permit Requirement- will be part of IDDE
	○ Inspect 100% of priority areas identified and 20% of other areas.	Nash Jeppsen	Permit requirement
	○ Produce a Field Inspection Form to document findings of inspections.	Ken Klinker	Will need this to document inspections
	○ Develop SOPs for tracing the source of an illicit discharge.	Ken Klinker	Will be part of IDDE program
	○ Develop SOPs for characterizing the nature of, and the potential public or environmental threat posed by any detected illicit discharge.	Ken Klinker	Will be part of IDDE program
	○ Develop SOPs for ceasing illicit discharges.	Ken Klinker	Will be part of IDDE
	○ Develop a written spill/dumping response procedure and flow chart.	Farmington City	Public works needs to have this as part of their SOP
	○ Provide employee training about the IDDE program.	Ken Klinker	Permit requirement and desire to educate employees
2nd Year July, 2018	○ Implement the IDDE program for the City.	Ken Klinker	Permit requirement
	○ Implement the SOPs for tracing sources of illicit discharges.	Ken Klinker	Permit requirement
	○ Implement SOPs for characterizing the nature of, and the potential public or environmental threat posed by any detected illicit discharge.	Ken Klinker	Permit requirement
	○ Inspect 100% of priority areas identified and 20% of other areas and document all inspections.	Nash Jeppsen	Permit requirement
	○ Update storm water system map to include any new discharge points.	Nash Jeppsen/ Dennis Allen (GIS)	Permit requirement/ need updated info to be effective
	○ Input results of inspections in GIS data base.	Nash Jeppsen	Need efficient way to track inspections and problems
	○ Monitor suspected outfalls.	Nash Jeppsen	Permit requirement/ need to address issues
	○ Identify and fix sources of illicit discharge.	Nash Jeppsen/Ken Klinker	Permit requirement/ need to address issues
	○ Provide employee training about the IDDE program.	Ken Klinker/Nash Jeppsen	Permit requirement and desire to educate employees

3rd Year July, 2019	○ Inspect 100% of priority areas identified and 20% of other areas and document all inspections	Nash Jeppsen	Permit requirement
	○ Update storm water system map to include any new discharge points.	Nash Jeppsen /Dennis Allen (GIS)	Permit requirement/ need updated info to be effective
	○ Input results of inspections in GIS data base.	Dennis Allen (GIS)	Need efficient way to track inspections and problems
	○ Monitor suspected outfalls.	Nash Jeppsen	Permit requirement/ need to address issues
	○ Identify and fix sources of illicit discharge.	Ken Klinker/ Nash Jeppsen	Permit requirement/ need to address issues
	○ Review ordinance and revise to meet needs identified in IDDE program that are not currently addressed.	Ken Klinker /Farmington City	Want to make sure ordinance address needs of the IDDE program
	○ Provide employee training about the IDDE program.	Ken Klinker/ Nash Jeppsen	Permit requirement and desire to educate employees
4th Year July, 2020	○ Inspect 100% of priority areas identified and 20% of other areas and document all inspections	Nash Jeppsen	Permit requirement
	○ Update storm water system map to include any new discharge points.	Nash Jeppsen /Dennis Allen (GIS)	Permit requirement/ need updated info to be effective
	○ Input results of inspections in GIS data base.	Dennis Allen (GIS)	Need efficient way to track inspections and problems
	○ Monitor suspected outfalls.	Nash Jeppsen	Permit requirement/ need to address issues
	○ Identify and fix sources of illicit discharge.	Ken Klinker/ Nash Jeppsen	Permit requirement/ need to address issues
	○ Review ordinance and revise to meet needs identified in IDDE program that are not currently addressed.	Ken Klinker /Farmington City	Want to make sure ordinance addresses needs of the IDDE program
	○ Provide employee training about the IDDE program.	Ken Klinker/ Nash Jeppsen	Permit requirement and desire to educate employees
5th Year July, 2021	○ Inspect 100% of priority areas identified and 20% of other areas and document all inspections	Nash Jeppsen	Permit requirement
	○ Update storm water system map to include any new discharge points.	Nash Jeppsen /Dennis Allen (GIS)	Permit requirement/ need updated info to be effective
	○ Input results of inspections in GIS data base.	Dennis Allen (GIS)	Need efficient way to track inspections and problems
	○ Monitor suspected outfalls.	Nash Jeppsen	Permit requirement/ need to address issues
	○ Identify and fix sources of illicit discharge.	Ken Klinker/ Nash Jeppsen	Permit requirement/ need to address issues
	○ Review ordinance and revise to meet needs identified in IDDE program that are not currently addressed.	Ken Klinker /Farmington City	Want to make sure ordinance addresses needs of the IDDE program

	○ Provide employee training about the IDDE program.	Ken Klinker/ Nash Jeppsen	Permit requirement and desire to educate employees

The City will notify DEQ whenever it discovers or suspects that a discharger may need a separate UPDES Permit (e.g., Industrial Storm Water Permit, Dewatering Permit),

Chapter Four

Construction Site Storm Water Runoff Control

The purpose of this chapter is to outline a program designed to reduce pollutants in storm water from construction sites. This will be achieved through a combination of structural and non- structural BMPs. This section addresses water quality concerns for construction sites with a land disturbance greater than equal to one acre, including projects that are less than one acre that are part of a larger common plan of development or sale.

Requirements

Farmington City will:

Enforce the storm water ordinance (Title 16 of the Farmington City Ordinances) which requires erosion and sediment controls for construction projects disturbing greater than or equal to one acre and to construction project of less than one acre that are part of a common plan of development or sale.

1. Require construction operators or developers to prepare a Storm Water Pollution Prevention Plan (SWPPP) and apply BMPs as necessary to protect water quality, reduce the discharge of pollutants, and control waste such as, but not limited to, discarded building materials, concrete truck washout, chemicals litter and sanitary waste at the construction site that may cause adverse impacts to water quality.
2. Ensure construction operators obtain and maintain coverage under the current UPDES Storm Water General Permits for Construction Activities for the duration of the project.
3. Develop an enforcement strategy and implement the enforcement provisions of the ordinance, including:
    a. Documented procedures that include specific processes and sanctions to minimize the occurrence of, and obtain compliance from violators which shall include appropriate, escalating enforcement procedures and actions.
    b. Documentation and tracking of all enforcement actions.
4. Require access by qualified personnel to inspect construction storm water BMPs on private properties that discharge to the City.
5. Adopt and implement procedures for site plan review which incorporate consideration of potential water quality impacts. Prior to construction the City will:
    a. Review construction Storm Water Pollution Preventions Plans (SWPPPs) and keep records for, at a minimum, all construction sites that disturb one acre or more, or are less than one acre and are part of a common plan of development. The City will keep copies of these records for five years or until construction is completed, whichever is longer.
    b. The City will provide training for all staff involved in permitting, planning, and review.
6. The City will adopt and implement procedures for site inspection and enforcement of construction storm water pollution control measures. The construction site storm water runoff control program will provide:

a. Training for staff on the fundamentals of erosion prevention and sediment control and in how to review SWPPPs;
b. Identification of priority construction activities, including at a minimum those construction activities discharging directly into or immediately upstream of waters that the state recognizes as impaired or high quality;
c. Review of all SWPPPs prior to construction;
d. Pre-construction meetings with at a minimum, construction site operators of priority construction activities;
e. Inspections by the City of priority construction sites at least bi-weekly.
f. Inspections of all new construction sites that disturb one acre or more, or are part of a common plan of development or sale at least monthly by qualified personnel.
g. An adopted procedure for keeping records of inspections and enforcement actions by staff, including inspection reports, verbal warnings, stop work orders, warning letters, noticed of violations, and other enforcement records.

Measurable Goals- Construction Site Storm Water Runoff Control

Measurable Goals- Construction Site Storm Water Runoff Control			
Target Date	**BMP**	**Responsible Party**	**Rationale**
1st Year July, 2017	○ Review Title 16 and identify areas where it is not equivalent to the technical requirements set forth in the UPDES Storm Water General Permit for Construction Activities, UTR00000 and MS4 General UPDES Permit No. UTR090006.	Ken Klinker/ Attorney	The ordinance we are to enforce needs to allow us to do the things required by the permit.
	○ Develop a written enforcement strategy.	Ken Klinker	To allow a clear understanding of what is expected
	○ Review all SWPPPs prior to construction.	Ken Klinker	Permit requirement
	○ Inspect all construction sites requiring a permit at least monthly and document inspections.	Nash Jeppsen	Permit requirement
	○ Inspect priority construction sites at least biweekly and document inspections	Nash Jeppsen	Permit requirement
	○ Take all necessary follow-up action and track and document them.	Nash Jeppsen	Permit requirement
	○ Take all necessary follow-up action and track and document them.	Nash Jeppsen	Permit requirement
	○ Maintain records of all projects requiring a permit.	Nash Jeppsen/ Ken Klinker	Permit requirement
	○ Track all training of enforcement staff.	Ken Klinker	Permit requirement
2nd Year July, 2018	○ Implement the enforcement strategy	Ken Klinker/ Nash Jeppsen	Permit requirement
	○ Review all SWPPPs prior to construction.	Ken Klinker	Permit requirement
	○ Identify priority construction sites	Nash Jeppsen	Permit requirement
	○ Inspect all construction sites requiring a permit at least monthly and document inspections.	Nash Jeppsen	Permit requirement
	○ Inspect priority construction sites at least biweekly and document inspections.	Nash Jeppsen	Permit requirement
	○ Take all necessary follow-up action and track and document them.	Nash Jeppsen	Permit requirement
	○ Maintain records of all projects requiring a permit.	Ken Klinker/ Nash Jeppsen	Permit requirement
	○ Track all training of enforcement staff.	Ken Klinker	Permit requirement
	○ Revise Title 16 to address any issues identified during the year.	Ken Klinker/ Farmington City	Need to update ordinance to address any issues of concern identified while enforcing policies

3rd Year July, 2019	○ Identify priority construction sites ○ Inspect all construction sites requiring a permit at least monthly and document inspections. ○ Inspect priority construction sites at least biweekly and document inspections. ○ Take all necessary follow-up action and track and document them. ○ Maintain records of all projects requiring a permit. ○ Attend at least one training opportunity which addresses storm water pollution prevention compliance. ○ Require SWPPPs for all developments meeting minimum threshold requirements ○ Review all SWPPPs prior to construction. ○ Track all training of enforcement staff. ○ Revise Title 16 to address any issues identified during the year.	Nash Jeppsen Nash Jeppsen Nash Jeppsen Nash Jeppsen Ken Klinker/ Nash Jeppsen Ken Klinker Ken Klinker Ken Klinker Ken Klinker/ Farmington City	Permit requirement Permit requirement Permit requirement Permit requirement Permit requirement Need to remain up-to-date on storm water issues Permit requirement Permit requirement Permit requirement Need to update ordinance to address any issues of concern identified while enforcing policies
4th Year July, 2020	○ Identify priority construction sites ○ Inspect all construction sites requiring a permit at least monthly and document inspections. ○ Inspect priority construction sites at least biweekly and document inspections. ○ Take all necessary follow-up action and track and document them. ○ Maintain records of all projects requiring a permit. ○ Attend at least one training opportunity which addresses storm water pollution prevention compliance. ○ Require SWPPPs for all developments meeting minimum threshold requirements ○ Review all SWPPPs prior to construction. ○ Track all training of enforcement staff. ○ Revise Title 16 to address any issues identified during the year.	Nash Jeppsen Nash Jeppsen Nash Jeppsen Nash Jeppsen Ken Klinker/ Nash Jeppsen Ken Klinker Ken Klinker Ken Klinker Ken Klinker/ Farmington City	Permit requirement Permit requirement Permit requirement Permit requirement Permit requirement Need to remain up-to-date on storm water issues Permit requirement Permit requirement Permit requirement Need to update ordinance to address any issues of concern identified while enforcing policies

5th Year July, 2021	○ Identify priority construction sites ○ Inspect all construction sites requiring a permit at least monthly and document inspections. ○ Inspect priority construction sites at least biweekly and document inspections. ○ Take all necessary follow-up action and track and document them. ○ Maintain records of all projects requiring a permit. ○ Attend at least one training opportunity which addresses storm water pollution prevention compliance. ○ Require SWPPPs for all developments meeting minimum threshold requirements ○ Review all SWPPPs prior to construction. ○ Track all training of enforcement staff. ○ Revise Title 16 to address any issues identified during the year.	Nash Jeppsen Nash Jeppsen Nash Jeppsen Nash Jeppsen Ken Klinker/ Nash Jeppsen Ken Klinker Ken Klinker Ken Klinker Ken Klinker/ Farmington City	Permit requirement Permit requirement Permit requirement Permit requirement Permit requirement Need to remain up-to-date on storm water issues Permit requirement Permit requirement Permit requirement Need to update ordinance to address any issues of concern identified while enforcing policies

Chapter Five

Long-Term Storm Water Management in New Development and Redevelopment

The City will develop, implement and enforce a program to address post-construction storm water runoff to the City from new development and redevelopment projects according to the minimum performance measures listed below. The objective is for the hydrology of a new development to mirror the pre-development hydrology of the previously undeveloped site or to improve the hydrology of a redeveloped site and reduce the discharge of storm water. The program applies to private and public development sites, including roads.

Requirements

The minimum performance measures are:

1. Develop and adopt an ordinance or other regulatory mechanism that requires post-construction storm water controls at new development and redevelopment sites. The ordinance or other regulatory mechanism shall apply, at a minimum, to new development and redevelopment sites that discharge to the City and that disturb one acre or more or are less than one acre and are part of a common plan of development or sale. The ordinance shall require BMP selection, design, installation, operation and maintenance standards necessary to protect water quality and reduce the discharge of pollutants to the City.
2. Develop an enforcement strategy and implement the enforcement provisions of the ordinance. Procedures for enforcement of BMPs include:
    a. Procedures that include specific processes and sanctions to minimize the occurrence of, and obtain compliance from, chronic and recalcitrant violators which shall include appropriate escalating enforcement procedures and actions.
    b. Documentation on how the requirements of the ordinance will protect water quality and reduce the discharge of pollutants to the MEP. Documentation shall include:
        i. How storm water BMPs were selected;
        ii. The pollutant removal expected from the selected BMPs; and
        iii. The technical basis which supports the performance claims for the selected BMPs.
3. Develop a new development/redevelopment program that has requirements or standards to ensure that any storm water controls or management practices for new development or redevelopment will prevent or minimize impacts to water quality. BMPs must be selected that address pollutants known to be discharged or anticipated to be discharged from the site.
4. The City's new development/redevelopment program shall include nonstructural BMPs such as requirements and standards to minimize development in areas susceptible to erosion and sediment loss; to minimize the disturbance of native soils and vegetation; to preserve areas in the municipality that provide important water quality benefits; to implement measures for flood control; and to protect the integrity of natural resources and sensitive areas.

5. Develop a new development/redevelopment program that includes a process which requires the evaluation of a Low Impact Development (LID) approach which encourages the implementation of structural BMPs that infiltrate, evapotranspire or harvest and use storm water from the site to protect water quality. Structural controls may include green infrastructure practices such as rainwater harvesting, rain gardens, permeable pavements, and vegetated swales. If an LID approach cannot be utilized, the City must document an explanation of the reasons preventing this approach and the rationale for the chosen alternative controls on a case by case basis for each project.
6. Develop a plan to retrofit existing developed sites that are adversely impacting water quality. The retrofit plan will be developed to emphasize controls that infiltrate evapotranspire or harvest and use storm water discharges. The plan will include the ranking of control measures to determine those best suited for retrofitting as well as those that could later be considered for retrofitting. The following will be included when developing the criteria for the retrofit plan:
    a. Proximity to water body
    b. Status of waterbody to protect unimpaired waterbodies
    c. Hydrologic condition of the receiving waterbody
    d. Proximity to sensitive ecosystem or protected area
    e. Any upcoming sites that could be further enhanced by retrofitting storm water controls
7. Define a specific hydrologic method or methods for calculating runoff volumes and flow rates to ensure consistent sizing of structural BMPs and to facilitate plan review. Other unique or complex methodologies may be allowed. After October 1, 2016, new development or redevelopment projects that disturb 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 must manage rainfall on-site, and prevent the off-site discharge of the precipitation from all rainfall events less than or equal to the 90th percentile rainfall event. This objective must be accomplished by the use of practices that are designed, constructed, and maintained to infiltrate, evapotranspire and/or harvest and reuse rainwater. The 90th percentile rainfall event is the event whose precipitation total is greater than or equal to 90 percent of all storm events over a given period of record. If meeting this retention standard is technically infeasible, a rationale shall be provided on a case by case basis for the use of alternative design criteria. The project must document and quantify that infiltration, evapotranspiration and rainwater harvesting have been used to the maximum extent technically feasible and that full employment of these controls are infeasible due to site constraints.
8. Adopt and implement procedures for site plan review which incorporate consideration of water quality impacts. The procedures shall apply through the life of the project from conceptual design to project closeout. Prior to construction the City will:
    a. Review post-construction plans for, at a minimum, all new development and redevelopment sites that disturb 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, to ensure that the plans include long-term storm water management measures that meet the requirements of this minimum control measure

b. Provide developers and contractors with preferred design specifications to more effectively treat storm water for different development types such as industrial parks, commercial strip malls, retail gasoline outlets, restaurants, parking lots, automotive service facilities, street and road construction and projects located in, adjacent to or discharging to environmentally sensitive areas.
c. Keep a representative copy of information that is provided to design professionals; and if information is distributed to a large number of design professionals at one, the dates of the mailings and lists of recipients.

9. Adopt and implement SOPs or similar type of documents for site inspection and enforcement of post-construction storm water control measures. These measures will ensure adequate long-term operation and maintenance of approved storm water control measures.
   a. The ordinance will include provisions for both construction-phase and post-construction access for the City to inspect storm water control measures on private properties that discharge to the storm sewer system to ensure that adequate maintenance is being performed. The ordinance may, in lieu of requiring that the Permittee's staff inspect and maintain storm water controls on private property, instead require private property owner/operators or qualified third parties to conduct maintenance and provide annual certification that adequate maintenance has been performed and the structural controls are operating as designed to protect water quality. In this case, the City must require a maintenance agreement addressing maintenance requirements for any control measures installed on site. The agreement must allow the City to conduct oversight inspections of the storm water control measures and also account for transfer of responsibility in leases and/or deeds. The agreement must also allow the City to perform necessary maintenance or corrective actions neglected by the property owner/operator, and bill or recoup costs from the property owner/operator as needed
   b. Permanent structural BMPs will be inspected at least once during installation by qualified personnel. Upon completion, the City must verify that long-term BMPs were constructed as designed.
   c. Inspections and any necessary maintenance must be conducted annually by either the City or through a maintenance agreement, the property owner/operator. On sites where the property owner/operator is conducting maintenance, the City shall inspect those storm water control measures at least once every five years, or more frequently as determined by the City to verify and ensure that adequate maintenance is being performed. The City will document its findings in an inspection which includes the following:
      i. Inspection date;
      ii. Name and signature of inspector;
      iii. Project location;
      iv. Current ownership information;
      v. A description of the condition of the storm water control measure including the quality of: vegetation and soil; inlet and outlet channels and structures; catch basins; spillways; weirs, and other control structures; and sediment and debris accumulation in storage as well as in and around the inlet and outlet structures;

vi. Specific maintenance issues or violations found that need to be corrected by the property owner or operator along with deadlines and reinspection dates.

9. Provide adequate training for all staff involved in post-construction storm water management, planning and review, and inspections and enforcement. Training will be provided or made available for staff in the fundamentals of long-term storm water management through the use of structural and non-structural control methods. The training records kept will include dates, activities or course descriptions, and names and positions of staff in attendance. The City shall ensure that all new hires are trained upon hire and before commencing storm water related duties and annually thereafter, at a minimum. Follow-up training shall be provided as needed to address changes in procedures, methods or staffing.
10. Maintain an inventory of all post-construction structural storm water control measures installed and implemented at new development and redeveloped sites that disturb 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. The inventory will include both public and private sector sites located within the City's service area.
    a. Each entry in the inventory will include basic information on each project, such as project's name, owner's name and contact information, location, start/end date, etc. In addition, inventory entries will include the following for each project;
        i. Short description of each storm water control measure (type number, design or performance specifications);
        ii. Short description of maintenance requirements (frequency of required maintenance and inspections); and
        iii. Inspection information (date, findings, follow up activities, prioritization of follow-up activities, compliance status).
    b. Based on inspection constructed, the City will update the inventory as appropriate where changes occur in property ownership or the specific control measures implemented at the site.

Measurable Goals- Long-Term Storm Water Management in New Development and Redevelopment			
Target Date	**BMP**	**Responsible Party**	**Rationale**
1st Year July, 2017	○ Review ordinances and make sure they contain all regulations required by Permit # UTR090006.	Ken Klinker	Need to make sure our ordinance requires all that is required by the Permit
	○ Revise ordinance to include any missing items.	Klinker/Attorney/City	Need to have an updated ordinance
	○ Develop a written enforcement strategy	Ken Klinker/ Nash Jeppsen	Permit requirement
	○ Provide documentation on how the ordinance meets 4.2.5.2.2 of Permit # UTR090006	Ken Klinker	Permit requirement
	○ Implement process to evaluate Low Impact Development (LID) approach for site development	Ken Klinker	Permit requirement
	○ Use the "Rational Method" for calculating runoff volumes and flow rates unless another method is approved by the City Engineer	Ken Klinker / Engineer	This is the method suggested in Farmington City Development Standards 11-30-105 in the Subdivision Ordinance
	○ Implement procedures for site plan review which incorporate consideration of water quality impacts	Ken Klinker	Permit requirement
	○ Review all SWPPPs to ensure plans include long-term storm water management measures	Ken Klinker	Permit requirement
	○ Develop an inventory of all post-construction structural storm water control measures	Ken Klinker/ Public Works	Permit requirement
	○ Develop SOP for site inspection and enforcement of post-construction storm water control measures	Ken Klinker/Nash Jeppsen	Permit requirement
	○ Develop a schedule for inspecting existing long-term storm water management facilities	Ken Klinker/ Nash Jeppsen	Permit requirement
	○ Provide training for staff involved in post-construction storm water management, planning and review, and inspection and enforcement.	Ken Klinker/Nash Jeppsen	Permit requirement Permit requirement

2nd Year July, 2018	○ Implement the plan to retrofit existing developed sites that are adversely impacting water quality ○ Implement procedures for site plan review which incorporate consideration of water quality impacts ○ Provide preferred design specifications to more effectively treat storm water to developers and contractors ○ Review all SWPPPs to ensure plans include long-term storm water management measures ○ Develop and provide preferred design specifications to more effectively treat storm water to developers and contractors ○ Inspect scheduled long-term storm water management facilities ○ Provide training for new staff involved in post-construction storm water management, planning and review, and inspection and enforcement ○ Maintain and update the inventory of all post-construction structural storm water control measures	Ken Klinker/ Planning/Public Works Ken Klinker Ken Klinker/City Engineer Ken Klinker /DCSWC/Engineer Nash Jeppsen Ken Klinker Ken Klinker/Nash Jeppsen Ken Klinker	Permit requirement Permit requirement Permit requirement Permit requirement Permit requirement Permit requirement Permit requirement Permit requirement
3rd Year July, 2019	○ Review all SWPPPs to ensure plans include long-term storm water management measures ○ Provide preferred design specifications to more effectively treat storm water to developers and contractors ○ Inspect scheduled long-term storm water management facilities ○ Provide training for new staff involved in post-construction storm water management, planning and review, and inspection and enforcement ○ Maintain and update the inventory of all post-construction structural storm water control measures ○ Implement the plan to retrofit existing developed sites that are adversely impacting water quality ○ Implement procedures for site plan review which incorporate consideration of water quality impacts	Ken Klinker Ken Klinker Nash Jeppsen Ken Klinker/Nash Jeppsen Ken Klinker Ken Klinker/ Planning/Public Works Ken Klinker	Permit requirement Permit requirement Permit requirement Permit requirement Permit requirement Permit requirement Permit requirement

4th Year July, 2020	○ Review all SWPPPs to ensure plans include long-term storm water management measures	Ken Klinker	Permit requirement
	○ Provide preferred design specifications to more effectively treat storm water to developers and contractors	Ken Klinker	Permit requirement
	○ Inspect scheduled long-term storm water management facilities	Nash Jeppsen	Permit requirement
	○ Provide training for new staff involved in post-construction storm water management, planning and review, and inspection and enforcement	Ken Klinker/Nash Jeppsen	Permit requirement
	○ Maintain and update the inventory of all post-construction structural storm water control measures	Ken Klinker	Permit requirement
	○ Implement the plan to retrofit existing developed sites that are adversely impacting water quality	Ken Klinker/ Planning/Public Works	Permit requirement
	○ Implement procedures for site plan review which incorporate consideration of water quality impacts	Ken Klinker	Permit requirement
5th Year July, 2021	○ Review all SWPPPs to ensure plans include long-term storm water management measures	Ken Klinker	Permit requirement
	○ Provide preferred design specifications to more effectively treat storm water to developers and contractors	Ken Klinker	Permit requirement
	○ Inspect scheduled long-term storm water management facilities	Nash Jeppsen	Permit requirement
	○ Provide training for new staff involved in post-construction storm water management, planning and review, and inspection and enforcement	Ken Klinker/Nash Jeppsen	Permit requirement
	○ Maintain and update the inventory of all post-construction structural storm water control measures	Ken Klinker	Permit requirement
	○ Implement the plan to retrofit existing developed sites that are adversely impacting water quality	Ken Klinker/ Planning/Public Works	Permit requirement
	○ Implement procedures for site plan review which incorporate consideration of water quality impacts	Ken Klinker	Permit requirement

Chapter 6

Pollution Prevention and Good Housekeeping For Municipal Operations

The City will implement the operations and maintenance (O&M) program for City-owned or operated facilities, municipal operations, and structural storm water controls which include standard operating procedures (SOPs), pollution prevention BMPs, storm water pollution prevention plans or similar type of documents, and a training component that have the ultimate goal of preventing or reducing the runoff of pollutants to the City's storm water system and the Waters of the State from municipal operations and facilities.

Requirements

The minimum performance measures will be as follows:

1. The City will develop and keep current a written inventory of City-owned or operated facilities and storm water control.
2. The City will assess the written inventory of City-owned or operated facilities, operations and storm water controls for their potential to discharge to storm water the following typical urban pollutants: sediment, nutrients, metals, hydrocarbons (e.g., benzene, toluene, ethylbenxene and xylene), pesticides, chlorides, and trash. The City will also determine additional pollutants associated with its facilities that could be found in storm water discharges. A description of the assessment process and findings will be included in this SWMP document.
3. The City will identify as "high-priority" those facilities or operations that have a high potential to generate storm water pollutants. Among the factors that must be considered in giving a facility a high priority ranking is the amount of urban pollutants stored at the site, the identification of improperly stored materials, activities that must be performed outside (e.g., changing automotive fluids), proximity to waterbodies, poor housekeeping practices, and discharge of pollutant(s) of concern to impaired water(s).
    a. Each "high-priority" facility will develop facility-specific standard operating procedures (SOPs) that include appropriate pollution prevention and good housekeeping procedures for all of the following types of facilities and/or activities:
        i. Buildings and facilities
        ii. Material storage areas, heavy equipment storage areas and maintenance areas
        iii. Parks and open spaces
        iv. Vehicle and equipment
        v. Roads, highways, and parking lots
        vi. Storm water collection and conveyance systems
        vii. Other facilities and operations not listed above
4. The City will maintain an inventory of all floor drains inside all City-owned or operated buildings.
5. The City will maintain an inventory including a map of all storm drains located on the property of all City-owned or operated buildings and facilities. The City will ensure

that only storm water is allowed into these drains and that the appropriate BMPs are in place to minimize pollutants from entering the MS4.

6. By September 1, 2016, the City shall develop and implement a Storm Water Pollution Prevention Plan (SWPPP) or similar type document for each "high-priority" Permittee-owned or operated facility. The SWPPP shall identify potential sources of pollution that may reasonably be expected to affect the quality of storm water discharges associated with activity from the facility. The SWPPP shall describe and ensure the implementation of standard operating practices (SOPs) that are to be used to reduce the pollutants in storm water discharges associated with activity at the facility and to ensure compliance with the terms and conditions of this Permit. This document shall be tailored and retained at all "high priority" facility locations. The SWPPP shall include a site map showing the following information:
    a. Property boundaries;
    b. Buildings and impervious surfaces;
    c. Directions of storm water flow (use arrows);
    d. Locations of structural control measures;
    e. Location and name of the nearest defined drainage(s) which could receive runoff from the facility, whether it contains water or not;
    f. Locations of all storm water conveyances including ditches, pipes, basins, inlets, and swales;
    g. Locations where the following activities are exposed to storm water:
        i. Fixed fueling operations;
        ii. Vehicle and equipment maintenance and/or cleaning areas;
        iii. Brine making areas;
        iv. Loading/unloading areas;
        v. Waste storage or disposal areas;
        vi. Liquid storage tanks;
        vii. Process and equipment operating areas;
        viii. Materials storage or disposal areas;
        ix. Locations where significant spills or leaks have occurred;
        x. Locations of all visual storm water monitoring points;
        xi. Locations of storm water inlets and outfalls, with a unique identification code for each outfall and an approximate outline of the areas draining to each outfall;
        xii. Locations of all non-storm water discharges;
        xiii. Locations of sources of run-on to your site from adjacent property
7. The following inspections shall be conducted at "high priority" Permittee-owned or operated facilities:
    a. Weekly visual inspections. The City will look for evidence of spills and immediately clean them up to prevent contact with precipitation or runoff. The weekly inspections will be tracked in a log for every facility and records kept with the SWMP document. The inspection log should also include any identified deficiencies and the corrective actions taken to fix the deficiencies.
    b. At least once per quarter, a comprehensive inspection of "high priority" facilities, including all storm water controls, must be performed, with specific attention paid to waste storage areas, dumpsters, vehicle and equipment maintenance/fueling

areas, material handling areas, and similar pollutant generating areas. The quarterly inspection results must be documented and records kept with the SWMP document. This inspection must be done in accordance with the developed SOPs. An inspection report must also include any identified deficiencies and the corrective actions taken to remedy the deficiencies.

c. At least once per quarter, the City must visually observe the quality of the storm water discharges from the "high priority" facilities (unless climate conditions preclude doing so, in which case the Permittee must attempt to evaluate the discharges four times during the wet season). Any observed problems (e.g., color, foam, sheen, turbidity) that can be associated with pollutant sources or controls must be remedied to prevent discharge to the storm drain system. Visual observations must be documented and records kept with the SWMP document. This inspection must be done in accordance with the developed SOPs. The inspection report must also include any identified deficiencies and the corrective actions taken to remedy the deficiencies.

8. SOPs shall be developed and implemented for the following types of facilities and/or activities listed below:
   a. Buildings and facilities: SOPs shall address, but is not limited to: City-owned or operated offices, police and fire stations, pools, parking garages, and other City-owned or operated buildings or utilities. The SOPs must address the use, storage and disposal of chemicals and ensure through employee training, that those responsible for handling these products understand and implement the SOPs. All City-owned or operated facilities must develop and ensure that spill prevention plans are in place, if applicable, and coordinate with the local fire department as necessary. The SOPs must address dumpsters and other waste management which includes, but is not limited to, cleaning, washing, painting and other maintenance activities. The City must include a description of schedules and SOPs for sweeping parking lots and keeping the area surrounding the facilities clean to minimize runoff of pollutants. The City must maintain an inventory of all floor drains inside all City-owned or operated buildings. The inventory must be kept current. The Permittee must ensure that all floor drains discharge to appropriate locations.
   b. Material storage areas, heavy equipment storage areas and maintenance areas. The City shall develop and implement SOPs to protect water quality at each of these facilities owned or operated by the City.
   c. Parks and open space. SOPs shall address, but are not limited to: the proper application, storage, and disposal of fertilizer, pesticides, and herbicides including minimizing the use of these products and using only in accordance with manufacturer's instructions; sediment and erosion control; evaluation of lawn maintenance and landscaping activities to ensure practices are protective of water quality such as, proper disposal of lawn clippings and vegetation, and use of alternative landscaping materials such as drought tolerant plants. The SOPs must address the management of trash containers at parks and other open spaces which include scheduled cleanings and establishing a sufficient number of containers, and for placing signage in areas concerning the proper disposal of pet wastes. The SOPs must also address the proper cleaning of maintenance equipment, building

exterior, trash containers and the disposal of the associated waste and wastewater. Permittees shall implement park and open space maintenance pollution prevention/good housekeeping practices at all park areas, and other open spaces owned or operated by the City.

d. Vehicle and Equipment. SOPs shall address, but are not limited to: vehicle maintenance and repair activities that occur on City-owned or operated vehicles. BMPs should include using drip pans and absorbents under or around leaky vehicles and equipment or storing indoors where feasible. Fueling areas for City-owned or operated vehicles and equipment shall be evaluated. If possible, place fueling areas under cover in order to minimize exposure. The O & M program shall include SOPs to ensure that vehicle wash waters are not discharged to the MS4 or Waters of the State. The UPDES Permit strictly prohibits such discharges.
e. Roads, highways, and parking lots. SOPs shall address, but are not limited to: SOPs and schedule for sweeping streets and City-owned or operated parking lots and any other BMPs designed to reduce road and parking lot debris and other pollutants from entering the MS4; road and parking lot maintenance, including pothole repair, pavement marking, sealing and repaving; cold weather operations, including plowing, sanding, and application of deicing compounds and maintenance of snow disposal areas; right-of-way maintenance, including mowing, herbicide and pesticide application; and municipally-sponsored events such as large outdoor festivals, parades or street fairs. The Permittee must ensure that areas used for snow disposal will not result in discharges to receiving waters.
f. Storm water collection and conveyance system. SOPs shall address, but are not limited to: SOPs and schedules for the regular inspection, cleaning, and repair of catch basins, storm water conveyance pipes, ditches and irrigation canals, culverts, structural storm water controls, and structural runoff treatment and/or flow control facilities. The City shall implement catch basin cleaning, storm water system maintenance, scheduled structural BMP inspections and maintenance, and pollution prevention/good housekeeping practices. The City shall prioritize storm sewer system maintenance, with the highest priority areas being maintained at the greatest frequency. Priorities should be driven by water quality concerns, the condition of the receiving water, the amount and type of material that typically accumulates in an area, or other location-specific factors. All City-owned or operated storm water structural BMPs including but not limited to, swales, retention/detention basins or other structures must be inspected annually to ensure that they are properly maintained to reduce the discharge of pollutants into receiving waters. The City shall ensure and document proper disposal methods of all waste and wastewater removed from the storm water conveyance system. These disposal methods apply to, but are not limited to, street sweeping and catch basin cleaning. Materials removed from the MS4 shall be dewatered in a contained, impervious area and discharged to the local sanitary sewer (with approval of local authorities) where feasible. The solid material shall be stored and disposed of properly to avoid discharge to Waters of the State during a storm event. Any other treatment and disposal measures shall be reviewed and approved by the Division. Some materials removed from storm drains and open channels

may require special handling and disposal, and may not be authorized to be disposed of in a landfill.

g. Other facilities and operations; The City shall identify any facilities and operations not listed above that would reasonably be expected to discharge contaminated runoff, and develop, implement, and document the appropriate BMPs and SWPPP to protect water quality from discharges from these sites.

9. If the City contracts with a third-party to conduct municipal maintenance or allows private developments to conduct their own maintenance, the contractor shall be held to the same standards as the City. This expectation will be defined in contracts between the City and its contractors or the contractors of private developments. The City will be responsible for ensuring, through contractually-required documentation or periodic site visits that contractors are using appropriate storm water controls and following the standard operating procedures, storm water control measures, and good housekeeping practices of the City.
10. The City will 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. This process will include consideration of controls that can be used to minimize the impacts to site water quality and hydrology while still meeting project objectives. A description of this process will be included in the SWMP document.
11. Existing flood management structural controls will be assessed to determine whether changes or additions should be made to improve water quality. A description of this process and determinations will be included in the SWMP document.
12. Public construction projects will comply with the requirements applied to private projects.
13. The City will identify target employees to participate in training sessions. Training will address the importance of protecting water quality the requirements of the Permit, operation and maintenance requirements, inspection procedures, ways to perform their job activities to prevent or minimize impacts to water quality, SOPs for the various City-owned or operated facilities and procedures for reporting water quality concerns, including potential illicit discharges. Training records will be kept and will include dates, activities or course descriptions, and names and positions of staff in attendance. Follow-up training will be provided as needed to address changes in procedures, methods or staffing.

Pollution Prevention and Good Housekeeping For Municipal Operations Measurable Goals			
Target Date	**BMP**	**Responsible Party**	**Rationale**
1st Year July, 2017	○ Review inventory of all municipal facilities and operations- update if necessary	Ken Klinker/Public Works/Parks & Rec	City can identify all its facilities and operations
	○ An assessment will be made of the inventory for their potential to discharge typical pollutants to the storm water system	Ken Klinker/Public Works/Parks & Rec	City needs to know all potential areas for discharge
	○ High priority facilities or operations that have high potential to generate storm water pollutants will be identified- Update list	Ken Klinker/ Nash Jeppsen	The highest priority operations need to be identified
	○ Facility-specific SOPs will be adopted for the high priority facilities or operations	Ken Klinker/Public Works/Parks & Rec	Permit requirement
	○ SOPs addressing the storm water collection system will be reviewed	Ken Klinker/ Public Works	Permit requirement
	○ SOPs will be reviewed for the shop/maintenance facilities	Ken Klinker/Public Works	Permit requirement
	○ SOPs will be reviewed for vehicle fleet and equipment maintenance	Ken Klinker/Public Works	Permit requirement
	○ SOPs will be reviewed addressing roads, highways, parking lots and snow removal	Ken Klinker/Public Works	Permit requirement
	○ SOPs will be reviewed for parks and open space operations and maintenance	Ken Klinker/Parks & Rec	Permit requirement
	○ SOPs will be reviewed for municipal building maintenance	Ken Klinker/Public Works/Parks & Rec	Permit requirement
	○ One training session will be held for municipal employees	Ken Klinker	Permit requirement
	○ An inventory of all floor drains inside all City owned or operated building will be reviewed	Ken Klinker Nash Jeppsen	Permit requirement
	○ An inventory including a map of all storm drains located on the property of all City owned or operated buildings will be reviewed and updated	Ken Klinker/ Nash Jeppsen/ Dennis Allen	Permit requirement

2nd Year July, 2018	○ Review and update inventory of municipal facilities and operations	Ken Klinker	Need to keep records up-to-date
	○ Inspect all municipal facilities at least once for SWPPP compliance	Nash Jeppsen	Permit requirement
	○ Conduct one training session for municipal employees	Ken Klinker/ Nash Jeppsen	Need to keep employees trained on newest developments
	○ Review the list of priority storm water treatment and flow control facilities and inspect them after major storm events		Permit requirement
	○ Obtain a UPDES Permit for any new construction projects	Ken Klinker	City must comply with all NPDES requirements
	○ Conduct pre-construction meetings to discuss BMPS for all new municipal construction	Ken Klinker	City must comply with all NPDES requirements
	○ Conduct weekly visual inspections of “high priority” facilities	Ken Klinker	Permit requirement
	○ Conduct at least quarterly comprehensive inspections of high priority facilities	Nash Jeppsen	Permit requirement Permit requirement
	○Visually observe the quality of the storm water discharges from “high priority” facilities at least quarterly	Nash Jeppsen	Permit requirement
	○ Develop and implement a process to assess water quality impacts in the design of all new flood management structural controls that discharge to the City storm water system	Nash Jeppsen	Permit requirement
	○Assess existing flood management structural controls to determine whether changes or additions should be made to improve water quality	Ken Klinker/ Engineer Ken Klinker/ Engineer	Permit requirement
3rd Year July, 2019	○ Review and update inventory of municipal facilities and operations	Ken Klinker	Need to keep records up-to-date
	○ Inspect all municipal facilities at least once for SWPPP compliance	Nash Jeppsen	Permit requirement
	○ Conduct one training session for municipal employees	Ken Klinker/Nash Jeppsen	Need to keep employees trained on newest developments
	○ Inspect priority storm water treatment and flow control facilities after major storm events	Nash Jeppsen	Permit requirement
	○ Obtain a UPDES Permit for any new construction projects	Ken Klinker	City must comply with all NPDES requirements
	○ Conduct pre-construction meetings to discuss BMPS for all new municipal construction	Ken Klinker	City must comply with all NPDES requirements

	○ Conduct weekly visual inspections of “high priority” facilities ○ Conduct at least quarterly comprehensive inspections of high priority facilities ○Visually observe the quality of the storm water discharges from “high priority” facilities at least quarterly	Nash Jeppsen Nash Jeppsen Nash Jeppsen	Permit Requirement Permit Requirement Permit Requirement
4th Year July, 2020	○ Review and update inventory of municipal facilities and operations ○ Inspect all municipal facilities at least once for SWPPP compliance ○ Conduct two training sessions for municipal employees ○ Inspect priority storm water treatment and flow control facilities after major storm events ○ Obtain a UPDES Permit for any new construction projects ○ Conduct pre-construction meetings to discuss BMPS for all new municipal construction ○ Conduct weekly visual inspections of “high priority” facilities ○ Conduct at least quarterly comprehensive inspections of high priority facilities ○Visually observe the quality of the storm water discharges from “high priority” facilities at least quarterly	Ken Klinker Ken Klinker/Public Works Ken Klinker Ken Klinker/Public Works Ken Klinker Ken Klinker/Public Works Ken Klinker/Public Works Ken Klinker/Public Works Ken Klinker/Public Works	Need to keep records up-to-date Permit requirement Need to keep employees trained on newest developments Permit requirement City must comply with all NPDES requirements City must comply with all NPDES requirements Permit Requirement Permit Requirement Permit Requirement
5th Year July, 2021	○ Review and update inventory of municipal facilities and operations ○ Inspect all municipal facilities at least once for SWPPP compliance ○ Conduct two training sessions for municipal employees ○ Inspect priority storm water treatment and flow control facilities after major storm events ○ Obtain a UPDES Permit for any new construction projects ○ Conduct pre-construction meetings to discuss BMPS for all new municipal construction	Ken Klinker Ken Klinker/Public Works Ken Klinker Ken Klinker/Public Works Ken Klinker Ken Klinker/Public Works	Need to keep records up-to-date Permit requirement Need to keep employees trained on newest developments Permit requirement City must comply with all NPDES requirements City must comply with all NPDES requirements

	○ Conduct weekly visual inspections of “high priority” facilities ○ Conduct at least quarterly comprehensive inspections of high priority facilities ○Visually observe the quality of the storm water discharges from “high priority” facilities at least quarterly	Ken Klinker/Public Works Ken Klinker/Public Works Ken Klinker/Public Works	Permit Requirement Permit Requirement Permit Requirement

APPENDIX TO THE FARMINGTON CITY
STORM WATER MANAGEMENT PROGRAM

Appendix A- List of Coalition activities in which Farmington City will participate
Appendix B- Farmington City Illicit Discharge Detection Elimination program
Appendix C- Procedure for Locating and Listing Priority Areas Likely to Have Illicit Discharges
Appendix D- Title 16 Farmington City Storm Water Ordinance
Appendix E- Enforcement Policy for Construction Site Storm Water Runoff Control
Appendix F- SOPs for Construction Site Storm Water Runoff Control
Appendix G- Enforcement Strategy for Long-Term Storm Water Management in New Development and Redevelopment
Appendix H- Documentation on How Title 16 Meets 4.2.5.2.2 of Permit #UTR090006
Appendix I- Process to Evaluate and Encourage Low Impact Development (LID)
Appendix J- Specific Hydrologic Method for Calculating Runoff Volumes and Flow Rates
Appendix K- Procedure for Site Plan Review Which Incorporate Consideration of Water Quality Impacts
Appendix L- Inventory of All Post-construction Structural Storm Water Control Measures
Appendix M- SOP for Site Inspection and Enforcement of Post-construction Storm Water Control Measures
Appendix N- Schedule for Inspecting Existing Long-term Storm Water Management Facilities
Appendix O- Plan to Retrofit Existing Developed Sites That Are Adversely Impacting Water Quality
Appendix P- Preferred Design Specifications to More Effectively Treat Storm Water
Appendix Q- Inventory of All Municipal Facilities and Operations

Appendix R- Assessment of Municipal Facilities and Operations For Their Potential to Generate Storm Water Pollutants to the Storm Water System
Appendix S- Standard Operating Procedures for City Operations
Appendix T- Inventory o f All Floor Drains Inside All City-owned or Operated Buildings
Appendix U- Process to Assess the Water Quality Impacts in the Design of All New Flood Management Structural Controls That are Associated With the City or Discharge to the MS4
Appendix V- Process to Assess Whether Changes or Additions Should be Made to Structural Controls to Improve Water Quality
Appendix W- SWMP Documentation Process
Appendix X- Fiscal Analysis
Appendix Y- Storm water discharge point map

Appendix A

Table listing Activities of the Davis County Storm Water Coalition in which Farmington City Will Participate

1. 4th Grade Water Fair
2. Salt Lake County Media Campaign (commercials).
3. Coalition sponsored contractor training
4. Coalition sponsorship of RSI training
5. Produced targeted brochures for distribution to the public
6. Coalition-hired 4th grade storm water program teacher
7. Develop standardized SOPs to be adapted by individual cities
8. Produce Coalition BMP manual

Appendix B
Farmington City Illicit Discharge Detection Elimination program

THIS PROGRAM TO BE DEVELOPED IN YEAR ONE AND ADDED TO THE SWMP WHEN IT IS COMPLETE

Appendix C

Procedure for Locating and Listing Priority Areas Likely to Have Illicit Discharge

1. Locate on the zoning map areas zoned for residential, commercial, industrial and mixed uses.
2. Discuss with the planning and public works departments which areas are oldest and most likely to have illicit connections.
3. Discuss with the County Public Health Department where there are permitted on-site sewage disposal systems or where there have been instances of sewer overflows or cross-connections
4. Identify sensitive water bodies in the community and use the zoning map to identify areas upstream from these water bodies.
5. Based on identified areas, develop a priority list of most likely areas to have illicit discharges and document the basis for the selection of each priority area.
6. Update the list annually.

Appendix D

Title 16 Farmington City Storm Water Ordinance

The ordinance is available at City Hall and will be included in the final SWMP. It is not included with the staff report.

Appendix E
Enforcement Policy for Construction Site Storm Water Runoff Control

(Note: This policy will be updated to make sure it meets all the requirements of the current UPDES permit.)

Farmington City Storm Water Ordinance Enforcement Policy

The intent of the following policy for enforcing the Farmington City Title 16 Storm Water Ordinance is to encourage builders and developers in Farmington to police their construction sites and make sure there are no violations present before it is identified by City employees. This self-policing is intended to help ensure that there are fewer incidences of contamination of the City's storm water system which could be violations of the City's Utah Pollutant Discharge Elimination System (UPDES) permit.

Storm Water Ordinance Enforcement Policy:

1. At the time of building permit application, the applicant shall submit an application for a Storm Water Permit with its associated fee, an approved UPDES Permit from the State of Utah (this can be obtained on-line at https://secure.utah.gov/stormwater/) and a copy of the Storm Water Pollution Prevention Plan (SWPPP) that has been prepared in conjunction with the UPDES Permit or a copy of the contract transferring responsibility for the Developer's SWPPP to the applicant.
2. At the time of Building Permit issuance, the applicant shall post a $1000 cash bond to cover costs, required performance and fines for violations as authorized in the bond agreement.
3. If violations of the ordinance are identified, the applicant will be given a Notice of Violation posted at the location of the violation providing 24 hours for the violation to be addressed, and warning that a Stop Work Notice will follow along with a $100/violation/day fine to be deducted from the storm water cash bond.
4. If the violation is still evident after 24 hours, a Stop Work Notice will be posted at the site, a photo to document the violation will be taken and kept in the building permit file, and a fine in the amount of $100/violation/day since the violation was first noted will be deducted from the bond. If there is evidence that illegal materials actually entered the storm water system, the fine will be doubled to $200/violation/day. These fines are authorized by Farmington City Ordinance 16-5-060 (e).
5. Each violation of the ordinance will be subject to the fine for each day the violation exists.
6. If the bond amount remaining drops below $250, a Stop Work Notice will be posted at the site preventing work from continuing until the balance of the bond has been increased back up to $1000.
7. After the final inspection of the project by the Storm Water Official or his/her designee, the balance of the bond to be released will be computed, and the bond will be released.

8. Failure to comply with a Stop Work Notice could result in the issuance of a Citation, potentially resulting in additional fines or penalties.
9. Citations may be issued to individuals or subcontractors who are identified committing violations of the Storm Water Ordinance.
10. Spills or severe contamination of the storm water system will be reported to the Davis County Health department for investigation and prosecution. Their escalating fine procedure will be implemented depending on the severity of the violation.

Appendix F
SOPs for Construction Site Storm Water Runoff Control

SOPs to include:

1. **Pre-construction SWPPP Review**
2. **Construction Site Inspection**
3. **Procedure to be notified by builders when active construction is completed to verify stabilization and removal of temporary BMPs**

4.2.4.3 SOP for pre-construction SWPPP review

1. Require SWPPP for all land disturbing operations that include excavation and/or footing and foundation construction. SWPPP to be submitted with building permit application or improvement drawings for subdivisions.
2. SWPPP shall meet all UPDES permit requirements for projects that disturb greater than or equal to one acre of ground or are part of a common plan of development. SWPPP shall meet city requirements for projects less than one acre and not part of a common plan of development.
3. Staff will review submitted SWPPPs prior to issuing a building permit or prior to a pre-construction meeting for subdivisions. The SWPPP review will use a pre-construction review checklist to ensure requirements are being met.
4. Staff review will include checking to see if the developer has evaluated the LID opportunities at the site.
5. Staff will identify priority construction sites considering the following factors at a minimum:
    - Soil erosion potential;
    - Site slope;
    - Project size and type;
    - Sensitivity of receiving waterbodies;
    - Proximity to receiving waterbodies; and,
    - Non-storm water discharges and past record of non-compliance by the operators of the construction site.

4.2.4.4 SOP for construction site inspections

1. All new 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 at least monthly by the Farmington City Storm Water Inspector using the Construction Storm Water Inspection Form (Checklist) found on the Division's website. Priority construction sites will be inspected bi-weekly.
2. The Inspector will inspect sites prior to land disturbance, during active construction, and following active construction.
3. The inspector will submit a copy of his inspection to the operator, noting any violations and requirements for remediation. Fines for violations that cannot be

remediated, such as evidence that pollutants of entered a storm drain or concrete washout on the ground, will be deducted from the storm water bond at this time.

4. Once the deadline for remediation has been passed, a re-inspection will take place to ensure all corrections have been made. If items have not been corrected, a fine will be deducted from the storm water bond and the operator will be notified of the continuing violation. Additional fines will be deducted on a daily basis as needed until the violations have been corrected.
5. A number for reporting issues on construction sites will be published on the Farmington City web site.
6. A record of violations, enforcement actions and corrective actions will be kept by the Storm Water Inspector.

4.2.4.4.2 Procedure for being notified by construction operators/owners of their completion of active construction.

1. Operators will be required to get a UPDES permit for project greater than or equal to one acre of land disturbance or which are part of a common plan of development. This permit will include a Notice of Termination form which will be submitted to the state upon completion of the project.
2. When the NOT shows up on the list of unverified NOTs, the Storm Water Inspector will inspect the property to assure the project final stabilization is complete and the temporary control measures have been removed.

Appendix G
Enforcement Strategy Long-Term Storm Water Management in New Development and Redevelopment

4.2.5.4 Procedure for site plan review which evaluate water quality impacts.

1. Require new developments to provide an analysis of potential pollutants that could impact water quality.
2. Require a description of BMPs that will be used to mitigate the water quality impact of any potential pollutants and rationale for selection of that BMP.
3. Require design specifications for proposed BMPs.
4. Require maintenance plans for long-term BMPs that are selected.

4.2.5.3.2 Process to evaluate LID approach which encourages the implementation of BMPs that infiltrate, evapotranspire or harvest and use storm water from the site to protect water quality.

1. Require new development plans to document the evaluation of LID approaches to storm water management.
2. Review the evaluation of LID approaches to make sure they have included BMPs to infiltrate, evapotranspire, harvest or use storm water from the site to protect water quality.
3. Review the proposed design of BMPs to make sure they meet the minimum standards required by the City.
4. If an LID approach cannot be utilized, require documentation explaining reasons preventing this approach and the rationale for the chosen alternative controls.

4.2.5.3.3 Plan to retrofit existing developed sites that are adversely impacting water quality

1. Create an inventory of developed sites that are adversely impacting water quality
2. Rank the site to determine those most suitable for retrofitting using the following criteria:
    a. Proximity to waterbody
    b. Status of waterbody to improve impaired waterbodies and protect unimpaired waterbodies
    c. Hydrologic condition of the receiving waterbody
    d. Proximity to sensitive ecosystem or protected area
    e. Any upcoming sites that could be further enhanced by retrofitting storm water controls
3. Notify the owner of the need to stop adversely impacting water quality
4. Require submittal of a plan by the owner to address the cause of the adverse impact on water quality. The submitted plan must emphasize controls that infiltrate, evapotranspire or harvest and use storm water discharges.
5. Review submitted plans and indicate whether they are acceptable.

6. Require owner to implement the plan to mitigate the source of the adverse impact on water quality.
7. Inspect the installation of the BMPs designed to mitigate the source of the adverse impact on water quality.

Appendix H

Documentation on How Title 16 Meets 4.2.5.2.2 of Permit #UTR090006

TO BE COMPLETED IN THE FIRST YEAR AND ADDED TO THE SWMP WHEN COMPLETE

Appendix I
Process to Evaluate and Encourage Low Impact Development (LID)

4.2.5.3.2 Process to evaluate LID approach which encourages the implementation of BMPs that infiltrate, evapotranspire or harvest and use storm water from the site to protect water quality.

1. Require new development plans to document the evaluation of LID approaches to storm water management.
2. Review the evaluation of LID approaches to make sure they have included BMPs to infiltrate, evapotranspire, harvest or use storm water from the site to protect water quality.
3. Review the proposed design of BMPs to make sure they meet the minimum standards required by the City.
4. If an LID approach cannot be utilized, require documentation explaining reasons preventing this approach and the rationale for the chosen alternative controls.

Appendix J
Specific Hydrologic Method for Calculating Runoff Volumes and Flow Rates

Farmington City Zoning Ordinance 11-3-105 (1) (a) defines the “rational method” for computing runoff volume and flow rates.

Appendix K

Procedure for Site Plan Review Which Incorporate Consideration of Water Quality Impacts

4.2.5.4 Procedure for site plan review which evaluate water quality impacts.

1. Require new developments to provide an analysis of potential pollutants that could impact water quality.
2. Require a description of BMPs that will be used to mitigate the water quality impact of any potential pollutants and rationale for selection of that BMP.
3. Require design specifications for proposed BMPs.
4. Require maintenance plans for long-term BMPs that are selected.

Appendix L

Inventory of All Post-construction Structural Storm Water Control Measures

Appendix M

SOP for Site Inspection and Enforcement of Post-construction Storm Water Control Measures

TO BE COMPLETED IN FIRST YEAR AND INCLUDED IN SWMP WHEN DONE

Appendix N

Schedule for Inspecting Existing Long-term Storm Water Management Facilities

TO BE COMPLETED IN FIRST YEAR AND INCLUDED IN SWMP WHEN DONE

Appendix O

Plan to Retrofit Existing Developed Sites That Are Adversely Impacting Water Quality

TO BE COMPLETED IN FIRST YEAR AND INCLUDED IN SWMP WHEN DONE

Appendix P
Preferred Design Specifications to More Effectively Treat Storm Water

TO BE COMPLETED IN FIRST YEAR AND INCLUDED IN SWMP WHEN DONE

Appendix Q
Inventory of All Municipal Facilities and Operations

4.2.6.1 Inventory of City-owned or operated facilities

1. Farmington City Hall
2. Farmington Swimming Pool
3. Community Arts Building
4. Fire Station
5. Police Station
6. Public Works Building- storage yard, maintenance facility, salt storage facility
7. Parks
    a. Cemetery Park
    b. Woodland Park
    c. South Park
    d. 1100 W Park
    e. Sound Wall Park
    f. Bus Park
    g. Forbush Park
    h. Ezra T Clark Park
    i. Farmington Pond Park
    j. Park Lane Park
    k. Quail Cove North
    l. South Park
    m. Quail Cove South
    n. Shepard Lane Park
    o. Moon Park
    p. Lupine Park
    q. Cherry Hill Basin
    r. Heritage Park
    s. Farmington Crossing Park
    t. Hunters Creek Park
    u. Spring Creek Park
    v. Farmington Ranches Park
    w. Chestnut Farms Park
    x. 1075 Kmart Park
    y. 600 N Park
    z. Rec Center
    aa. 5-way by Post Office
    bb. Frontage Road and 750 West
8. Detention Basins- See Appendix L
9. Museum
10. Gymnasium
11. Well Houses
    a. Community Center- 94 S Main
    b. 600 North wellhouse- Well #1

c. 600 N 100 E booster
d. Well #2- behind police station
e. Well #3- 175 E Glover Lane
f. C-5- Top of 500 S
g. C-3 Booster- Spencer Way
h. N-3 Booster- Grandview

Appendix R
Assessment of Municipal Facilities and Operations
For Their Potential to Generate Storm Water Pollutants to the Storm Water System

4.2.6.2 Assessment process to identify potential for discharging pollutants from municipal facilities

1. Contact person in charge of each public facility and ask them to identify any source of pollutants that may be located at their facility.
2. Evaluate the exposure of each source of pollutants to determine the potential for entering the storm drain system.
3. Identify/install BMPs where appropriate to reduce the potential for pollutants from entering the storm drain system.

Police Station- No potential pollutants per Chief Hansen 5-23-16
Fire Station
City Hall
Community Arts Center
Museum
Swimming Pool- Chlorine, Chloric Acid
Public Works Building- Motor oil, gasoline/diesel, antifreeze, fertilizer, various weed killers, Speed Zone weed killer, Quickcrete concete mix, marking paints, hydraulic oil and transmission fluid.
Parks Department at Public Works- Weed killers (Speed Zone, Makaze), Fertilizer, grass clippings, Roundup.
Gymnasium
Well Houses/Booster Stations- sodium hypochlorite, hydrofl

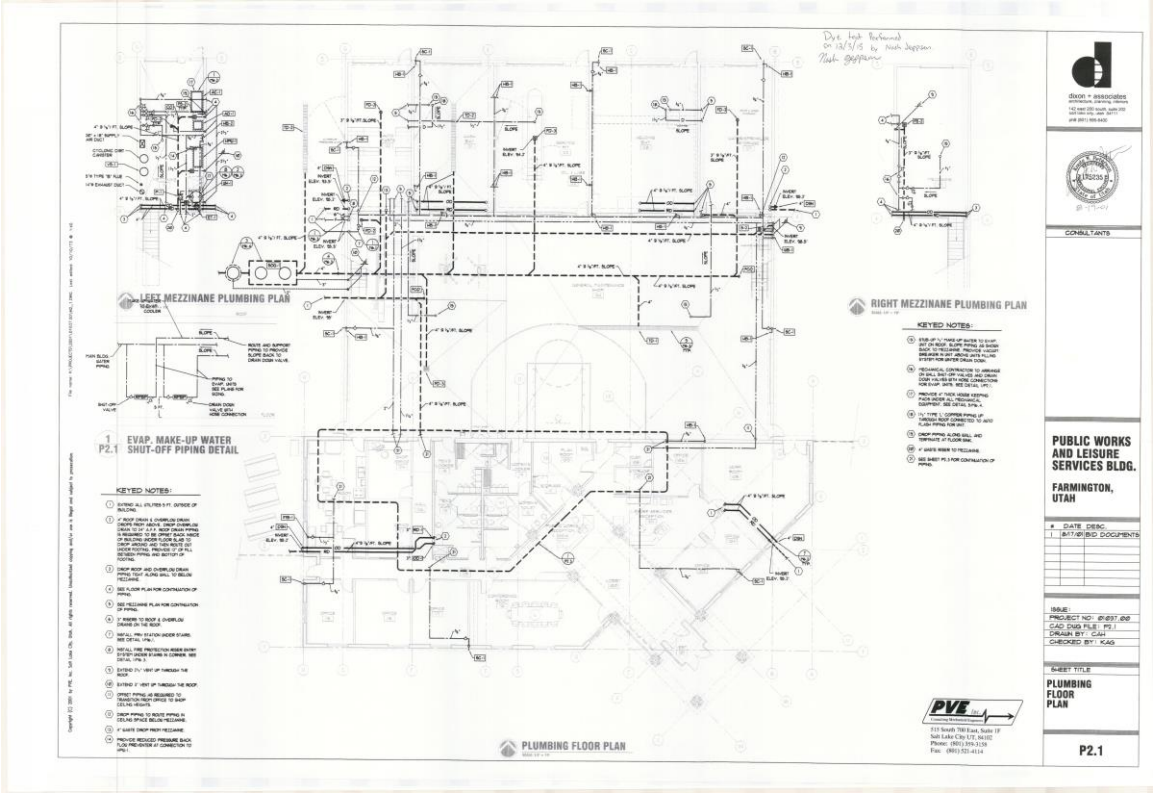
Appendix S

Standard Operating Procedures for City Operations

SOPs are available at Public Works and in the storm water office in the Planning Department. They are not included with this staff report.

Appendix T

Inventory of All Floor Drains Inside All City-owned or Operated Buildings



Public Works Facility Floor Drain Plan
(original large format version available at Public Works)

Appendix U

Process to Assess the Water Quality Impacts in the Design of All New Flood Management Structural Controls That are Associated With the City or Discharge to the MS4

4.2.6.8 Process to assess the water quality impacts on the design of new flood management structural controls.

1. Plans for new flood management structural controls will be submitted to the City for review.
2. The plans will be required to include impacts to water quality that will be created by the structural control.
3. Any negative impact, the design will be required to provide BMPs to mitigate the negative impact.

Appendix V

Process to Assess Whether Changes or Additions Should be Made to Structural Controls to Improve Water Quality

4.2.6.8.1 Process to assess water quality impacts of existing flood management control structures.

1. Develop and inventory of existing flood control management structures.
2. Determine potential sources of water quality impacts associated with the structure.
3. Identify BMPs that could be used to mitigate any potential impacts identified.
4. Identify the most critical needs for mitigation.
5. Develop a schedule for installing BMPs to address the most immediate concerns followed by less immediate concerns.

Appendix W
SWMP Documentation Process

1. Implementation of the Farmington City Storm Water Management Plan (SWMP) will be under the oversight of the Storm Water Official (SWO).
2. The SWO will be responsible for enforcing the requirements of the City's storm water ordinance and the MS4 permit requirements.
3. All SWPPPs will be reviewed by the SWO and will be kept in the SWO office or in storage facilities at the Farmington City Hall.
4. Inspection reports will be kept in files in the Storm Water Inspector's (SWI) office. These files may either be hard copy or electronic files.
5. Enforcement action documentation will be kept by the SWI. Actions on individual homes will be kept in the building permit files, and may be kept in electronic files as well. Violations for subdivision developments will be kept in the subdivision files, and may be kept in electronic files as well. Documentation of other types of violations will be kept in an electronic file.
6. The tracking of SWMP implementation will be done at the annual review of the SWMP as part of the UPDES reporting process.
7. Documentation for parts of the SWMP that are shared responsibilities of the Davis County Storm Water Coalition will be conducted as shown below:

Public Education and Outreach

The responsibilities for public education and outreach will be shared with the Davis County Storm Water Coalition. Please see Table 1 for the documentation process for this minimum control measure.

Public Involvement and Participation

1. The Davis County Storm Water Coalition will hold meetings that are open to the public for input and participation. The minutes of the meetings will be kept in record with the Chairman of the Coalition, and will be made available to the City upon request. Minutes may also be kept electronically on the Storm Water Official's computer.
2. A public hearing will be scheduled whenever the SWMP is to be adopted or amended. The public will have the opportunity to have input during this hearing. The hearing will be noticed on the Farmington City website, the Utah Public Notice website and on the City Council Agenda. The minutes of the hearing will be kept on record at Farmington City Hall.
3. The SWMP will be posted on the Farmington City web site. There will be a link provided for comments and public input on the SWMP through this site. A file containing comments received through the web site or by other means will be kept by the SWO.

Illicit Connection and Illicit Discharge Detection and Elimination

1. The records for illicit discharge inspections will be kept in the office of the SWI.
2. Records of calls to the illicit discharge hotline are kept by Davis County Public Health, and are provided to the City on a regular basis. Records of calls to the City will be kept with the SWO and the SWI.
3. A GIS data base may be set up to link individual discharge points in the City's MS4 with inspection reports as they are created.
4. The current storm drain system map will be kept in the GIS data base at Farmington Public Works office.
5. Copies of material distributed to the public will be available in the SWO office at City Hall.

Construction Site Runoff Control

1. A copy of all SWPPP reviews for new developments/redevelopment and residential construction will be kept in the SWO office at City Hall.
2. Copies of the SWMP, annual reports, the storm water ordinance and other relevant documents as required will be kept at the office of the SWO in Farmington City Hall.
3. Records of all inspections, notices of violation and other actions will be kept in the office of the SWI at Farmington Public Works office.

Post-Construction Storm Water Management in Development and Redevelopment

1. Plan reviews of proposed developments will be kept on file in the Farmington City Planning Department. This will include any inquiries for information concerning post-construction BMPs including green infrastructure and low impact development considerations.
2. The inventory of the post-construction structural storm water control measures will be kept at City Hall in the office of the SWO.
3. The inspection schedule for long-term storm water management facilities will be kept in the office of the SWI.
4. Documentation of training for staff will be kept in the office of the SWO, including attendance lists, training agendas and dates.
5. The plan to retrofit existing developed sites that are adversely impacting water quality will be kept at the SWO office.

Pollution Prevention and Good Housekeeping for Municipal Operations

1. The inventory of city-owned facilities will be kept in the office of the SWO.
2. The assessment of the inventory of municipal facilities and operations will be kept in the SWO office.
3. SOPs will be kept at the municipal facilities and in the SWO office.
4. Records of training including attendance, agenda and dates will be kept in the SWO office.

5. The inventory of floor drains will be kept in the SWO office and at the public works offices.
6. The map of all storm drains located on the property of City owned or operated buildings will be kept in the Public Works offices.
7. Records of inspections of municipal facilities will be kept at the Pubic Works offices.
8. UPDES permits will be kept in the SWO office.
9. The process to assess water quality impacts in the design of all new flood management structural controls that discharge to the City storm water system will be kept at the SWO office.
10. The assessment of the existing flood management structural controls to determine whether changes or additions should be made to improve water quality will be kept at the SWO office.

4.1.2 Documentation Process for Gathering, Maintaining and Using Information

1. All inspection information will be maintained by the Farmington City Storm Water Inspector. Each year it will be evaluated to determine specific areas where improvement is required and whether changes to the SWMP are required.
2. Information concerning training of contractors, the public, employees, etc. will be maintained in the Storm Water Administrator's office.
3. The City will work with the Davis County Storm Water Coalition to find ways to evaluate the effectiveness of the programs being implemented locally and by the Coalition.

Appendix X

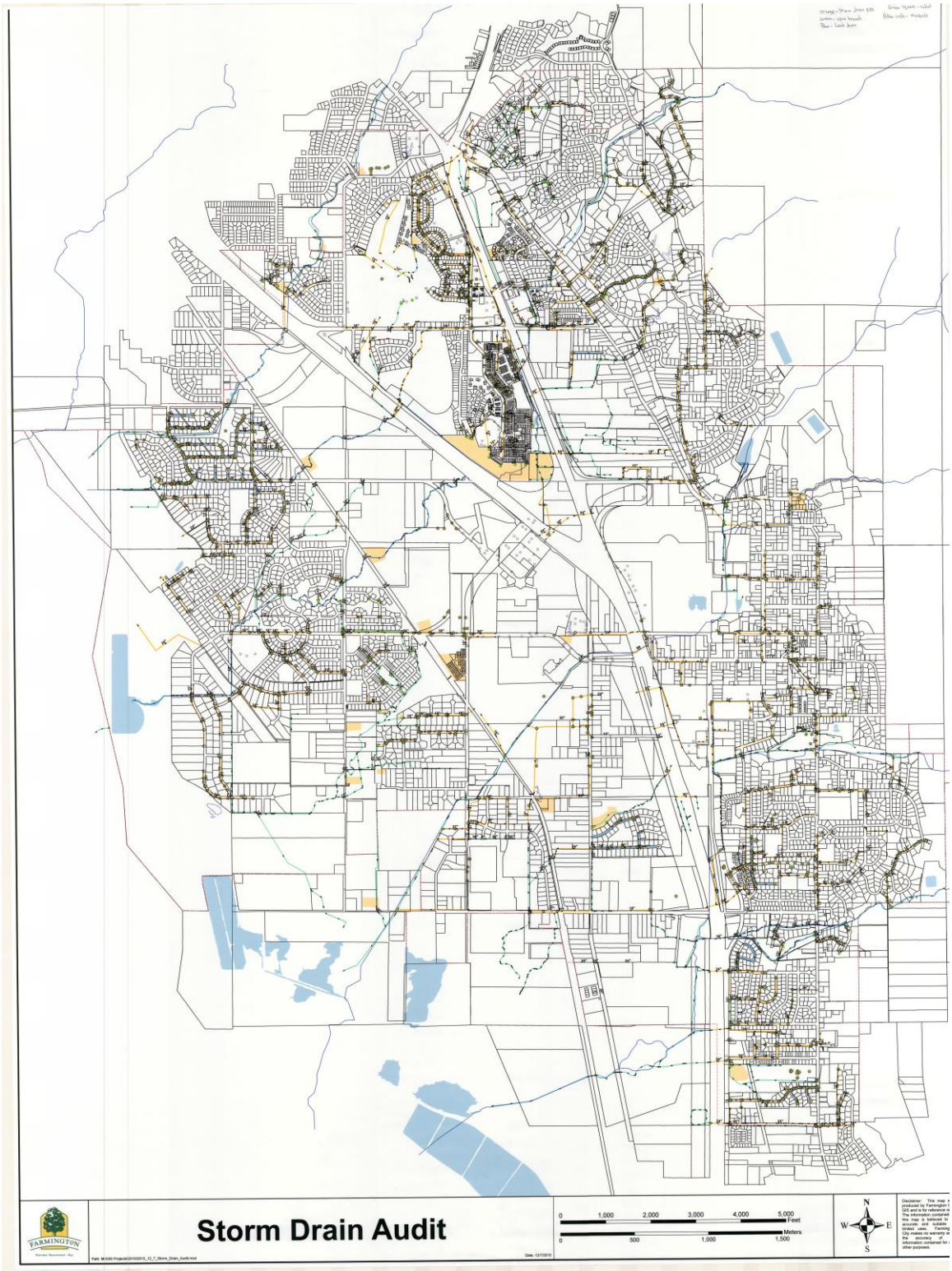
Fiscal Assessment

4.1.2.2 Summary of Fiscal Analysis

The resources necessary to implement the SWMP are provided through the collection of a Storm Water Utility Fee. Funds are allocated as necessary to cover fees associated with participation in the Davis County Storm Water Coalition, salaries of the Storm Water Official and Storm Water Inspector, street sweeper operation and maintenance, etc.

Appendix Y

Storm Water Discharge Point Map



Large format version available at Public Works building