PARK CITY
STORMWATER
MANAGEMENT PROGRAM

Originally Prepared: 2003
MS4 Inclusion Revision: June 2016
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1.0. ACRONYMS

BMP – Best Management Practices

CWA – Clean Water Act

EPA – Environmental Protection Agency

IDDE – Illicit Discharge Detection and Elimination

MCM – Minimum Control Measure

MEP – Maximum Extent Practicable

MS4 – Municipal Separate Storm Sewer System

NOI – Notice of Intent

NPDES – National Pollutant Discharge Elimination System

O&M – Operations and Maintenance

SOP – Standard Operating Procedures

SWMP – Stormwater Management Plan

SWPPP – Stormwater Pollution Prevention Plan

TMDL – Total Maximum Daily Load

UPDES – Utah Pollutant Discharge Elimination System

2.0. KEY PERSONS

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3.0. INTRODUCTION

Park City is located on the Wasatch back, on the south end of Summit County and east of Salt Lake City. Historically Park City started in 1860s as a mining town for silver and other minerals. Fires, worker strikes, dropping mineral prices, explosions, heavy snows and mine shaft collapses have shaped the story of this historic mining town. Mining ceased in 1982, when it became unprofitable. In the 1930s skiing began in the area and increased in popularity as mining dropped off. With the announcement of the 2002 Winter Olympics in 1995, and the popularity of the Sundance Film Festival, Park City has flourished as a mountain and ski resort community.

The city is located in the upper elevations of the Wasatch Mountain range. The population is approximately 7,500, but more than doubles during periods of winter. Elevations in the city generally range between 6,600 feet and 9,400 feet above mean sea level, with most of the city at 7,600. A portion of the city drains to the east through Silver Creek to Echo Reservoir and to the Weber River. The eastern portion of the City drains to McLeod Creek toward East Canyon Creek and reservoir and ultimately to the Weber River in the Morgan area. The Weber River finally drains into the Great Salt Lake.

The Park City stormwater system consists of curb and gutters, inlet boxes, piping, a few typical open channel sections, swales and canals. Most stormwater facilities drain through piping to the creeks mentioned above. There are a few detention basins that exist within the system. Many of the streets use curb and gutter to collect stormwater runoff with the remaining using swales or ditches. The city is served by a sanitary sewer system that is treated by the Snyderville Basin Water Reclamation District. There are some existing septic tank systems in the city, but all new developments are required to connect to the public sanitary sewer system.

4.0. COVERAGE UNDER THIS PERMIT

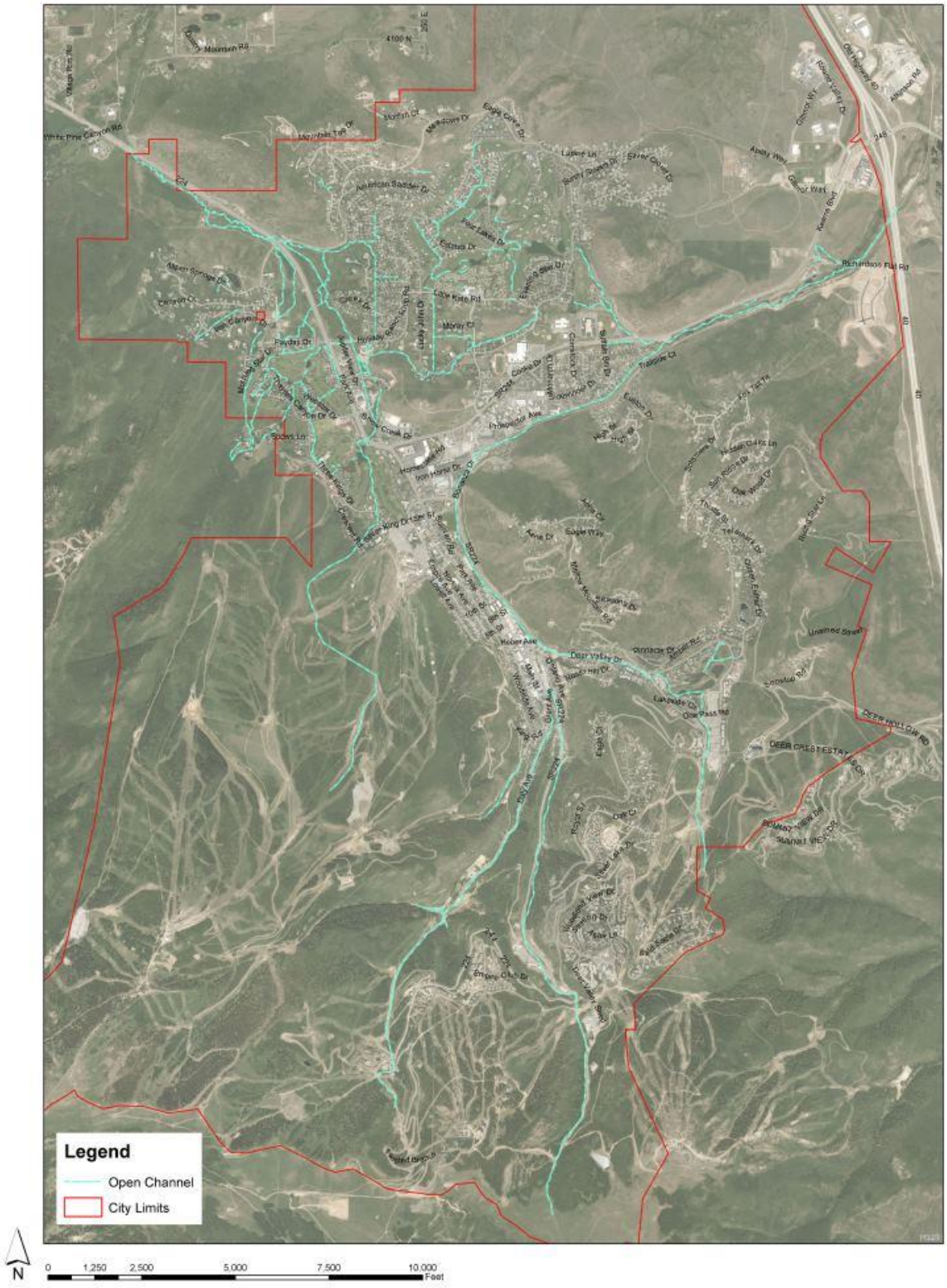
Polluted stormwater runoff is often transported to municipal separate storm sewer systems (MS4s) and ultimately discharged into local rivers and streams without treatment. EPA's Stormwater Phase II Rule establishes an MS4 stormwater management program that is intended to improve the Nation's waterways by reducing the quantity of pollutants that are introduced into storm sewer systems during storm events. Common pollutants include oil and grease from roadways, roadway salts and deicing materials, pesticides and fertilizers from lawns, pet waste, sediment from construction sites, and carelessly discarded trash, such as cigarette butts, paper wrappers, and plastic bottles. When deposited into nearby waterways through MS4 discharges, these pollutants can impair the waterways, thereby discouraging use of the resource, contaminating water supplies, and interfering with the habitat for fish, other aquatic organisms, and wildlife.

In 1990, EPA promulgated rules establishing Phase I of the National Pollutant Discharge Elimination System (NPDES) stormwater program. The Phase I program for

MS4s requires operators of “medium” and “large” MS4s, that is, those that generally serve populations of 100,000 or greater, to implement a stormwater management program as a means to control polluted discharges from these MS4s. The Stormwater Phase II Rule extends coverage of the NPDES stormwater program to certain “small” MS4s but takes a slightly different approach to how the stormwater management program is developed and implemented. Park City was permitted as a Small MS4 in 2016.

In the State of Utah, the EPA has granted primacy to the State of Utah to oversee and manage the stormwater program. The State has adopted the Utah Pollutant Discharge Elimination System (UPDES) for that purpose. Park City has prepared this Stormwater Management Program (SWMP) to meet the requirements of the UPDES Stormwater Discharge Permit for Small MS4s.

5.0. MS4 LOCATION DESCRIPTION AND MAP



6.0. PERMIT APPLICATION AND NOTICE OF INTENT

Phase II Rule entails the development of a stormwater management program by requiring a Notice of Intent (NOI) be submitted to the NPDES permitting authority. The Notice of Intent becomes the permit application.

7.0. LOCAL WATER QUALITY CONCERNS

The water quality within Park City has a history of contamination. East Canyon Creek is impaired for Dissolved Oxygen and Total Phosphorus. Park City does not directly discharge into East Canyon Creek, but takes it into consideration the potential downstream impacts and impairments of East Canyon Creek. Silver Creek is impaired for Dissolved Zinc and Cadmium listed in the Approved Total Maximum Daily Load (TMDL) for the creek. Silver Creek also has impairments for arsenic, E. coli, nitrate, nitrite as N, macrovertebrates, and TDS. McLeod Creek is impaired for arsenic. Many of these are from mine tailing from mining operations in the area decades ago. With the history of mining in the area some locations have been contaminated with mine tailings and their associated chemicals.

8.0. WATER QUALITY

This SWMP has been developed to meet the requirements set forth in the UPDES UTR090000 permit and consists of the six minimum control measures established by the EPA for Phase II stormwater discharges as addressed in the following sections. Implementation of these control measures are expected to result in reductions of pollutants discharged into receiving waters including sediments, trash, pathogens, fertilizers/nutrients, hydrocarbons, metals, pesticides, acid and base products, road salts and increased stream flow. These pollutants can negatively impact the environment as described in the following table.

Pollutant	Source	Impacts
Sediment	Construction sites, vehicle/boat washing, agricultural sites, erosion	Destruction of aquatic habitat for fish and plants, transportation of attached oils, nutrients and other chemical contamination, increased flooding. Sediment can transport other pollutants that are attached to it including nutrients, trace metals, and hydrocarbons. Sediment is the primary component of total suspended solids (TSS), a common water quality analytical parameter.

Nutrients (Phosphorus, Nitrogen, Potassium, Ammonia)	Fertilizers from agricultural operations, lawns and gardens; livestock and pet waste, decaying vegetation, sewer overflows and leaks	Harmful algal blooms, reduced oxygen in the water, changes in water chemistry and pH. Nutrients can result in excessive or accelerated growth of vegetation, resulting in impaired use of water in lakes and other receiving waters.
Hydrocarbons (Petroleum Products, Benzene, Toluene, Ethyl Benzene, Xylene)	Vehicle and equipment fluid leaks, engine emissions, pesticides, equipment cleaning, leaking fuel storage containers, fuel spills, parking lot runoff	These pollutants are toxic to humans and wildlife at very low levels. Carcinogenic. Teratogenic.
Heavy Metals	Vehicle brake and equipment wear, engine emissions, parking lot runoff, batteries, paint and wood preservatives, fuels and fuel additives, pesticides, cleaning agents	Metals including lead, zinc, cadmium, copper, chromium and nickel are commonly found in stormwater. Metals are of concern because they are toxic to all life at very low levels. Carcinogenic. Teratogenic.
Toxic Chemicals (Chlorides)	Pesticides, herbicides, dioxins, PCB's, industrial chemical spills and leaks, deicers, solvents	Chemicals are of concern because they are toxic to all life at very low levels. Carcinogenic. Teratogenic.
Debris/Litter/Trash	Improper solid waste storage and disposal, abandoned equipment, litter	Aesthetically unpleasant. Risk of decay product toxicity. Risk of aquatic animal entrapment or ingestion and death.
Pathogens (Bacteria)	Livestock, human and pet waste, sewer overflows and leaks, septic systems	Human health risks due to disease and toxic contamination of aquatic life.

Control measures for these pollutants will include Standard Operating Procedures (SOPs) and Best Management Practices (BMPs) necessary for proper stormwater management. The BMPs and SOPs include specific tasks to meet the objective of each particular control measure. The BMPs and SOPs included in this SWMP will be implemented and reviewed throughout the permit term. This SWMP is intended to be a living document with BMPs added or deleted as new BMPs arise or are found to be ineffective. Schedules for implementing the BMPs are provided along with each minimum control measure in the MCM tables.

9.0. STORMWATER MANAGEMENT PLAN (SWMP)

General Information

This document contains a description of the community-specific Stormwater Management Program for Park City. The Program includes the following;

1. Public Education and Outreach on Stormwater Impacts

2. Public Involvement/Participation

3. Illicit Discharge Detection and Elimination (IDDE)

4. Construction Site Stormwater Runoff Control
5. Long-Term Stormwater Management in New Development and Redevelopment (Post-Construction Stormwater Management)

6. Pollution Prevention and Good Housekeeping for Municipal Operations

- Measurable goals for each minimum control measure (i.e., narrative or numeric standards used to gauge program effectiveness);

- Estimated months and years in which actions to implement each measure will be undertaken, including interim milestones and frequency; and

- The person or persons responsible for implementing or coordinating the stormwater program.

  This document also contains the following information and documentation in its appendices (additional appendix information available upon request):

  - Appendix A – Supplemental Guide to Stormwater Management for Contractors and Developers

  - Appendix B – Supplemental Guide to Stormwater Management for Public Utilities Departments

  - Appendix C – Standard Operating Procedures, Documentation and Elements of the Illicit Discharge Detection and Elimination program

  - Appendix D – General program documentation including inspection forms, enforcement logs, training logs, annual reports, maintenance records, observation reports, and other general documentation

  - Appendix E – Copies of the most current city ordinances applicable to stormwater

  - Appendix F – Copies of Current State permits and documents regulating the Park City stormwater program

  - Appendix G – System maps and inventories

Permit Requirements

The chosen measurable goals, submitted in the Notice of Intent as a permit application, become the required stormwater management program; however, the NPDES permitting authority can require changes in the mix of chosen BMPs and measurable goals if all or some of them are found to be inconsistent with the provisions of the Phase II Final Rule. Likewise, the permittee can change its mix of BMPs if it determines that the program is not as effective as it could be.

Reports

The permit requires that the City review the SWMP annually, report on our activities and make any updates that might be required. The annual reports should use the form provided by the State. Generally, the annual report should include the following information:

- The status of compliance with permit conditions, including an assessment of the appropriateness of the selected BMPs and progress toward achieving the selected measurable goals for each minimum measure;
- Results of any information collected and analyzed, including monitoring data if any;
- A summary of the stormwater activities planned for the next reporting cycle;
- A change in any identified BMP or measurable goals for any minimum measure; and
- Notice of relying on another governmental entity to satisfy some of the permit obligations (if applicable).

Record Keeping

Records required by the State must be kept for at least 5 years and made accessible to the public at reasonable times during regular business hours. Records need not be submitted to the State unless the Permittee is requested to do so.

Deadlines

The following deadlines are recognized as part of the program:

Date	Description
February 28, 2021	Post Construction program implemented
June 1, 2020	Construction program implemented
January 1, 2019	IDDE program implemented

Penalties

The NPDES permit that the operator of a regulated small MS4 is required to obtain is federally enforceable, thus subjecting the Permittee to potential enforcement actions and penalties by the NPDES permitting authority if the permittee does not fully comply with application or permit requirements. This federal enforceability also includes the right for interested parties to sue under citizen suit provision (section 405) of CWA.

Ongoing Documentation Process

The SWMP itself has been organized to make it more of a working document with multiple appendices to help the City in record keeping and documenting our activities. Much of the documentation is or will be included in Appendix D. The documentation is available upon request. As part of this update, the existing BMPs and measureable goals have been reviewed and assessed for their effectiveness and contribution in helping to achieve the desired results.

This SWMP includes many forms and reports to help in the documentation efforts. Report forms, logs, evaluation forms and backup information is spread throughout the applicable appendices.

10.0. MINIMUM CONTROL MEASURES

10.1. Public Education and Outreach on Stormwater Impacts

Permit Requirements

The permit requirements for Public Education and Outreach on Stormwater Impacts can be found in Section 4.2.1 of the permit. A copy of the permit is included in Appendix F for reference. The permit outlines in general the following requirements:

- The MS4 shall promote behavior change by the public to reduce water quality impacts associated with pollutants in stormwater runoff and illicit discharges. This is a multimedia approach targeted to specific audiences. The four audiences are: (1) residents, (2) businesses, institutions, and commercial facilities, (3) developers and contractors (construction), and (4) MS4 industrial facilities.
- The MS4 shall identify target pollutants and pollutant sources and their potential impacts relating to stormwater quality.
- The MS4 shall provide and document information given to the four focus audiences.
- The MS4 shall provide documentation or rationale as to why particular BMPs were chosen for its public education and outreach program.

Summary of Existing Efforts

Park City has a website that is located at https://www.parkcity.org/. This website includes a stormwater division page that includes both general and specific information. The stormwater division page is located under Public Utilities.

Park City, in cooperation with Recycle Utah and other entities, participates annually in a Water Festival to educate elementary school students on items related to water quality. Park City provides a model that illustrates how different types of pollution affect our water ways. Park City also collaborates with Summit County and other entities to put on other events and information out to the public in order to educate residents and businesses on stormwater management.

Park City has developed and printed brochures for distribution and inserts for utility bills related to construction, dog waste, food services, landscaping, and vehicles and their potential impacts on Stormwater.

Park City requires its employees to attend annual training in order to inform specific City personnel on the relevant MCM requirements for individual departments. These trainings are provided and logged to ensure permit compliance.

Plan and Implementation Measures

In order to help meet the goals and objectives of this SWMP Park City has chosen to adopt the following BMPs. Each BMP is cross referenced alphabetically by code in the indicated appendix to a fact sheet that describes the BMP, its applicability, its limitations, and its effectiveness. Only those BMPs listed below will be utilized by Park City as part of their SWMP at the present time.

BMP	Code	Appendix
Classroom Education on Stormwater	CESW	B
Educational Materials	EM	B
Employee Training	ET	B
Public Education/ Participation	PEP	B
Using Media	UM	B

Goals

In order to more fully realize the benefits of the BMPs the city has set measurable goals. The goals set along with the existing efforts fulfill the requirements of the Final

Stormwater Phase II Rule for Education and Outreach. These goals are listed in Table 1 (MCM 1 Measurable Goals).

10.2. PUBLIC INVOLVEMENT / PARTICIPATION

Permit Requirements

The permit requirements for Public Participation and Involvement on Stormwater Impacts can be found in Section 4.2.2 of the permit. A copy of the permit is included in Appendix F for reference. The permit outlines in general the following requirements:

1. Comply with applicable State, and local public notice requirements to involve interest groups and stakeholders for their input on the SWMP.

2. Make available to the public a current version of the SWMP document for review and input for the life of the permit. This should be posted on the City's website.

Summary of Existing Efforts

Used Oil Recycling
Summit County Health Department accepts used oils and tires which can be brought for recycling.

Waste Collection
Twice a year in the spring and fall Recycle Utah conducts a Household Hazardous Waste Event and a green waste cleanup. There are locations in which residents can bring their household & hazardous wastes items for free recycling.

Service Groups
There are local scout and church groups that have participated in street cleanup and litter reduction.

Summit County Stormwater Coalition
Park City collaborates with Summit County and other local entities to organize public participation events involving stormwater and other sustainable practices.

SWMP Public Input Policy
A current version of the SWMP document is on the Park City website located under Public Utilities, Stormwater Division. It is available for review and input for the life of the permit. Public comments are taken anytime of the year through online comment or e-mail. When a permit update is made, the SWMP is updated accordingly, and a staff communications report is released to allow the public to provide comments on a draft SWMP. After 1 week the SWMP will be updated based on public input and re-posted on the Park City website.

Plan and Implementation Measures

In order to help meet the goals and objectives of this SWMP Park City has chosen to adopt the following BMPs for use within our city as applicable. Each BMP is cross

referenced alphabetically by code to a fact sheet that describes the BMP, its applicability, its limitations, and its effectiveness in the indicated appendix.

BMP	Code	Appendix
Public Education/ Participation	PEP	B

Goals

In order to more fully realize the benefits of the BMPs the city has set measurable goals. The goals set along with the existing efforts fulfill the requirements of the Final Stormwater Phase II Rule for Public Involvement and Participation. These goals are listed in Table 2 (MCM 2 Measurable Goals).

10.3. ILLICIT DISCHARGE DETECTION AND ELIMINATION

Permit Requirements

The permit requirements for Illicit Discharge Detection and Elimination on Stormwater Impacts can be found in Section 4.2.3 of the permit. A copy of the permit is included in Appendix F for reference. The permit outlines in general the following requirements:

1. Maintain a storm sewer system map of the MS4, showing the location of all outfalls and the names and location of all State waters that receive discharges from those outfalls.

2. Through an ordinance, or other regulatory mechanism, a prohibition (to the extent allowable under State, or local law) on non-stormwater discharges into the MS4, and appropriate enforcement procedures and actions.

3. Develop and implement a plan to detect and address non-stormwater discharges, including spills, illicit connections, and illegal dumping to the MS4.

4. Develop and implement standard operating procedures (SOPs) for:

    a. tracing the source of an illicit discharge.
    b. characterizing the nature of, and the potential public or environmental threat posed by, any illicit discharges found or reported.
    c. ceasing the illicit discharge, including notification of appropriate authorities, property owners, and technical assistance for removing the source and follow-up inspections.

5. Inform public employees, businesses, and the general public about the hazards associated with illegal discharges and improper disposal of waste.

6. Promote or provide services for the collection of household hazardous waste.

7. Publicly list and publicize a hotline or other local number for public reporting of spills and other illicit discharges.

8. Develop a written spill/dumping response procedure, and a flowchart for internal use, including various responsible agencies and their contacts.

9. Adopt and implement procedures for program evaluation and assessment.

10. Train employees, at a minimum, annually on the IDDE program.

Summary of Existing Efforts

City Ordinances
The City has an ordinance prohibiting illicit discharges, illicit connections, describes enforcement authority and penalties.

Illicit Spills
Currently, reports of spills are handled by the Fire Department, or County Health Department. The Park City Streets/Stormwater Departments are also involved in spill response.

Illicit Connections
The City has not generally experienced problems with individuals or businesses illicitly connecting their sanitary waste water piping to storm drains. More-common types of illicit discharges include spills from highway accidents, concrete truck wash out water, residential yard waste and debris being washed into the gutters, and general litter and debris (floatables) originating from retail businesses and the general public.

Mapping
The city has a fairly comprehensive, storm drain map showing the storm drain system and its points of discharge. A copy of this map is included in Appendix G.

Publicized Hotline
The Park City website contains a telephone hotline number and information on how to report a stormwater related issue (leaks, construction site issues, etc.) as well as a link to Summit County for landfill information and Recycle Utah for their Household Hazardous Waste events that take place twice per year.

Plan and Implementation Measures

In order to help meet the goals and objectives of this SWMP Park City has chosen to adopt the following BMPs for use within our city as applicable. Each BMP is cross referenced alphabetically by code to a fact sheet that describes the BMP, its applicability, its limitations, and its effectiveness in the indicated appendix.

BMP	Code	Appendix
Community Hotline	CH	B,C
Employee Training	ET	B,C
Hazardous Waste Management	HWM	B,C
Illegal Dumping Control	IDC	B,C
Identify Illicit Connections	IIC	B,C
Illegal Solids Dumping Controls	ISDC	B,C

Map Stormwater Drains	MSWD	B,C
Non-Stormwater Discharge to Drains	NSWD	B,C
Ordinance Development	OD	B,C
Public Education/ Participation	PEP	B,C
Used Oil Recycling	UOR	B,C

Goals

In order to more fully realize the benefits of the BMPs the city has set measurable goals. The goals were set along with the existing efforts fulfill the requirements of the Final Stormwater Phase II Rule for Illicit Discharge Detection and Elimination. These goals are listed in Table 3 (MCM 3 Measurable Goals).

10.4. CONSTRUCTION SITE RUNOFF CONTROL

Permit Requirements

The permit requirements for Construction Site Runoff Control on Stormwater Impacts can be found in Section 4.2.4 of the permit. A copy of the permit is included in Appendix F for reference. The permit outlines in general the following requirements:

1. Have an ordinance or other regulatory mechanism requiring the implementation of proper erosion and sediment control practices on construction sites. This will include a requirement for a Stormwater Pollution Prevention Plan (SWPPP) and enforcement provisions.

2. Develop and implement Standard Operating Procedures (SOPs) for:

    a. pre-construction SWPPP reviews to ensure plans are complete and in compliance with State and Local regulations.

    b. construction site inspection and enforcement of construction stormwater pollution control measures.

3. Train staff to implement the construction stormwater program, including permitting, plan review, construction site inspections, and enforcement.

4. Establish procedures to maintain records of all projects disturbing greater than or equal to one acre, including projects less than one acre that are part of a larger common plan of development.

Summary of Existing Efforts

City Ordinances
The City currently has an ordinance that requires a stormwater construction activity permit for construction activities. The application for this permit requires a completed Stormwater Pollution Prevention Plan (SWPPP).

Site Plan Review Process
The City currently has a procedure requiring the submittal of construction drawings prior to approving a new development. This process does not specifically require water quality impacts to be considered.

Inspectors
The City has multiple RSI registered inspectors and is working to improve frequency and adequacy of construction site inspections.

Standard Drawings and Specifications
The city has a set of standard drawings and specifications for subdivision site development.

Plan and Implementation Measures

In order to help meet the goals and objectives of this SWMP Park City has chosen to adopt the following BMPs for use within our city as applicable. Each BMP is cross referenced alphabetically by code to a fact sheet that describes the BMP, its applicability, its limitations, and its effectiveness in the indicated appendix.

BMP	Code	Appendix
Certification and Inspector Training	CCIT	A,B
Erosion Control Plan	ECP	A,B
Landscape and Irrigation Plan	LIP	A,B
Ordinance Development	OD	A,B
Zoning	ZO	A,B

Goals

In order to more fully realize the benefit of the BMP the city has set measurable goals. The goals set along with the existing efforts fulfill the requirements of the Final Stormwater Phase II Rule for Construction Site Runoff Control. These goals are listed in Table 4 (MCM 4 Measurable Goals).

10.5. POST CONSTRUCTION RUNOFF CONTROL

Permit Requirements

The permit requirements for Post-Construction Runoff Control on Stormwater Impacts can be found in Section 4.2.5 of the permit. A copy of the permit is included in Appendix F for reference. The permit outlines in general the following requirements:

1. Have an ordinance or other regulatory mechanism requiring the implementation of long-term post-construction stormwater controls at new and redevelopment sites.

2. Develop an enforcement strategy and implement enforcement provisions of the ordinance.

3. Develop requirements or standards for new development and redevelopment projects to include stormwater controls or management practices that will prevent or minimize impacts to water quality.

4. Define specific hydrologic method for calculating runoff and flow rates to be used to size structural BMPs and facilitate plan review.

5. Adopt and implement procedures for site plan review which incorporate consideration of water quality impacts.

6. Develop, adopt and implement Standard Operating Procedures (SOPs) for site inspection and enforcement of post-construction stormwater control measures.

7. Provide adequate training for staff concerning post-construction stormwater management, plan review, inspections and enforcement.

8. Maintain an inventory of all post-construction structural stormwater control measures. This includes public and private facilities.

Summary of Existing Efforts

Ordinances

The City has an ordinance allowing a maximum stormwater discharge rate for new development. The City has also implemented an Ordinance to require long term post construction stormwater controls at new development and re-development sites disturbing greater than or equal to one acre, including projects that are less than one acre that are park of a larger common plan of development or sale. This also includes enforcement and inspection requirements (See Appendix E for a copy of current Park City stormwater related ordinances).

Landscaping Plans

Developers are required to present a plan outlining landscaping plans to the city. Developers will be required to sign into a maintenance agreement with the city which commits them to conduct maintenance and provide annual certification that adequate maintenance has been performed, and the structural controls are operating as designated to protect water quality. This also allows Park City to conduct oversight inspections as well as account for transfer of the agreement as the property owners change.

Developers are also required to submit a Long-Term Stormwater Management Plan (LTSWMP) which describes the systems, operations and the minimum standard operating procedures (SOPs) necessary to manage pollutants originating from or generated on their property. Park City provides a template to developers to follow and create their LTSMP.

Plan and Implementation Measures

In order to help meet the goals and objectives of this SWMP Park City has chosen to adopt the following BMPs for use within our city as applicable. Each BMP is cross referenced alphabetically by code to a fact sheet that describes the BMP, its applicability, its limitations, and its effectiveness in the indicated appendix.

BMP	Code	Appendix
BMP Inspection and Maintenance	BMPIM	A,B
Educational Materials	EM	A,B
Infrastructure Planning	IPL	A,B
Landscape and Irrigation Plan	LIP	A,B
Ordinance Development	OD	A,B

Goals

In order to more fully realize the benefit of the BMP the city has set measurable goals. The goals set along with the existing efforts fulfill the requirements of the Final Stormwater Phase II Rule for Post Construction Runoff Control. These goals are listed in Table 5 (MCM 5 Measurable Goals).

10.6. POLLUTION PREVENTION / GOOD HOUSEKEEPING

Permit Requirements

The permit requirements for Pollution Prevention and Good Housekeeping on Stormwater Impacts can be found in Section 4.2.6 of the permit. A copy of the permit is included in Appendix F for reference. The permit outlines in general the following requirements

1. Develop and implement an operation and maintenance program for city-owned or operated facilities.

2. Maintain an inventory of city-owned or operated facilities and stormwater controls. Assess said list for their potential to discharge typical urban pollutants to the stormwater system.

3. Identify 'high-priority' facilities or operations that have a high potential to generate stormwater pollutants. Included with Standard Operating Procedures (SOPs) specific to municipal operations. The SOPs shall include appropriate pollution prevention and good housekeeping procedures for all of the following types of facilities and/or activities listed below:

   a. Buildings and facilities
   b. Material storage areas, heavy equipment storage areas and maintenance areas
   c. Parks and open spaces
   d. Vehicle and equipment
   e. Roads, highways, and parking lots
   f. Stormwater collection and conveyance system
   g. Other facilities and operations (those not listed, but would reasonably be expected to discharge contaminated runoff)

4. If a third-party is to conduct municipal maintenance or private developments conduct their own maintenance, the contractor shall be held to the same standard as the City. This should be outlined and defined in contracts.

5. Inspection schedules and logs should be part of the O&M program.

6. 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 MS4.

7. City construction projects shall comply with the requirements applied to private projects.

8. Include employee training on how to incorporate pollution prevention and good housekeeping techniques into municipal operations, including SOPs.

Summary of Existing Efforts

Existing Maintenance Program
The City currently maintains inlet boxes and other MS4 improvements on a schedule meeting the permit requirements of a minimum once per permit period (5 years). Streets are also swept as needed.

High Priority Facility Assessment
The City created an inventory of all MS4 owned facilities listed in Permit Section 4.2.6.1. in this inventory. The City listed all potential pollutants that may originate from the facilities, and the associated stormwater controls. Using this inventory, the City identified facilities as high, medium, or low priority based on the following:

- Pollutants stored at the site;
- Improperly stored materials;
- Potential pollutant-generating activities performed outside (e.g. changing automotive fluids);
- Close proximity to fresh water and water bodies, including but not limited, to streams, canals, rivers, ponds and lakes;
- Potential to discharge pollutant(s) of concern to impaired water(s).

Existing Inspection Program
Based on the High Priority Facility Assessment, the City designated two (3) facilities as “high priority” (Quinn’s Junction Treatment Plant, Three Kings Treatment Plant and Public Works).SOPs have been developed for those locations and inspections on a monthly, semi-annually and annually with precipitation event inspections are completed and logged in a cloud-based program by the facility managers.

Training
The City has implemented annual training for MS4 staff whose job functions are likely to impact water quality. The annual training addresses specifics to the trainee’s job functions, and goes over the MS4 requirements as well as the Park City SOPs (listed in Appendix C.

Plan and Implementation Measures

In order to help meet the goals and objectives of this SWMP Park City has chosen to adopt the following BMPs for use within our city as applicable. Each BMP is cross referenced alphabetically by code to a fact sheet that describes the BMP, its applicability, its limitations, and its effectiveness in the indicated appendix.

BMP	Code	Appendix
Employee Training	ET	A,B
Housekeeping Practices	HP	A,B
Infrastructure Planning	IPL	A,B

Goals

In order to more fully realize the benefit of the BMP the city has set measurable goals. The goals set along with the existing efforts fulfill the requirements of the Final Stormwater Phase II Rule for Pollution Prevention/Good Housekeeping. These goals are listed in Table 6 (MCM 6 Measurable Goals).

11.0. CERTIFICATION

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

Matt Dias, City Manager

Date (mm/dd/yyyy)

APPENDIX A

Supplemental Guide to Stormwater Management for Contractors and Developers

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APPENDIX B

Supplemental Guide to Stormwater Management for Public Utilities Departments

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APPENDIX C

Standard Operating Procedures (SOPs), Documentation and Elements of the Illicit Discharge Detection and Elimination program

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APPENDIX D

General Documentation

(Inspection forms, enforcement logs, training logs, annual reports, maintenance records, observation reports, and other general documentation)

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APPENDIX E

Current Park City Stormwater Ordinances

Appendix F

Current State Permits and Documents Regulating the Park City Stormwater Program

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APPENDIX G

System Maps and Inventories

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(*Note: all relevant maps located in Park City ArcGIS Map system)*