

**The Municipal Separate Storm Sewer System (MS4)**

**NPDES Permit for  
Idaho Falls, Idaho  
(IDS-028070)**

**The City of Idaho Falls  
Annual Report**

**Twelfth Permit Year  
(FY 2018/2019)  
May 2018 – April 2019**

Prepared by the City of Idaho Falls Public Works Division



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## **INTRODUCTION**

This annual report was prepared by the City of Idaho Falls Public Works Division for the National Pollutant Discharge Elimination System (NPDES) permit period extending from May 1, 2018 thru April 30, 2019. Information contained within this report refers to Permit No. IDS-028070 issued by the Environmental Protection Agency (EPA), Region 10 Office, on March 21, 2007. The permit refers to a municipal separate storm sewer system (MS4) owned and operated by the City of Idaho Falls and the Idaho Transportation Department (ITD), District 6, which are co-permittees.

The permit expired on April 30, 2012. The City has reapplied for coverage and received verification that the reapplication packet was received from EPA. A copy of the letter acknowledging the permit reapplication is included within the appendices.

## **APPLICABILITY**

### ***PERMIT AREA***

The NPDES permit covers all areas within the Idaho Falls Urbanized Area served by the municipal separate storm sewer systems (MS4s) owned or operated by the City of Idaho Falls (City) and the Idaho Transportation Department (ITD), District 6. A map depicting the MS4 is included with the appendices.

### ***DISCHARGES AUTHORIZED UNDER THE PERMIT***

During the effective dates of the NPDES permit and until EPA grants or denies the City's application for a new permit, the co-permittees are authorized to discharge storm water to waters of the United States from all portions of the MS4 located within the Idaho Falls Urbanized Area that are owned and operated by the co-permittees, subject to the conditions set forth within the NPDES permit. The NPDES permit also authorizes the discharge of storm water commingled with flows contributed by process wastewater, non-process wastewater and storm water associated with industrial activity, provided that the storm water is commingled only with those discharges set forth in Part I.D of the NPDES permit.

### ***CO-PERMITTEES' RESPONSIBILITIES***

#### **INDIVIDUAL RESPONSIBILITY**

Each permittee is individually responsible for NPDES permit compliance related only to portions of the MS4 owned or operated solely by that permittee, and where the NPDES permit directs action or inaction by the named permittee.

## **JOINT RESPONSIBILITY**

Each permittee is jointly responsible for NPDES permit compliance:

- a. related to portions of the MS4 where operational or storm water management program implementation authority has been transferred from one permittee to another in accordance with an enforceable intergovernmental cooperative agreement;
- b. related to portions of the MS4 where co-permittees jointly own or operate a portion of the MS4; and
- c. related to the submission of reports or other documents required by Part II and Part IV of the NPDES permit.

## **COOPERATIVE AGREEMENT**

The co-permittees are required to maintain an enforceable intergovernmental cooperative agreement between the partners. This cooperative agreement must specifically identify portions or areas of the MS4 where the co-permittees share joint responsibility. Copies of the signed cooperative agreement must be submitted to the U.S. Environmental Protection Agency (EPA) and Idaho Department of Environmental Quality (IDEQ) within one hundred twenty (120) days from the effective date of the NPDES permit as directed in Part IV.D.

The signed and executed cooperative and maintenance agreements between the City of Idaho Falls and the Idaho Transportation Department, District 6 are included in the appendices of this document and can also be reviewed at the storm water website.

## **PARTICIPATING CITY DIVISIONS**

City Divisions that participate in meeting the Twelfth annual NPDES permit requirements include:

Parks and Recreation Division

Planning and Zoning Division

Public Works Division, which includes:

Street Department

Sewer Department

Water Department

## **ANNUAL REPORTING REQUIREMENTS**

### ***STATUS OF COMPLIANCE***

#### **PUBLIC EDUCATION AND OUTREACH**

- a. The City initiated a water conservation flyer which is posted on the City website. A copy of the flyer is contained within the appendices.

The City also mailed a flyer dealing with storm water in utility billings entitled "When It Storms." This flyer provides information in regards to storm water pollution. The flyer was reviewed and approved by the local Idaho Department of Environmental Quality office. Mailings reach every address within the City of Idaho Falls that receives a water, sewer, garbage or electrical bill. A copy of the storm related information flyer is included within the appendices.

The City participated in the Household Hazardous Waste Collection Program with the Idaho Department of Environmental Quality (IDEQ), Bonneville County and the City of Ammon. This program informed residents what household hazardous waste is and established a disposal guide for a variety of hazardous wastes. The program also discussed why proper disposal is necessary and what individuals could do to create less hazardous waste. Household hazardous waste collection days are established for the 2<sup>nd</sup> Saturday of each month beginning in May and ending in September. On these dates residents could bring specific wastes to sites identified for collection and proper disposal.

The City also participated in the Idaho Falls Water Festival which involved educating approximately 1,800 5<sup>th</sup> and 6<sup>th</sup> graders amongst over 66 classes about the importance of clean water in conjunction with Water Awareness Week. Representatives of the Water Department and Sewer Department conducted presentations. A summary detailing the Idaho Falls Water Festival is included within the appendices.

- b. The City has established a storm water educational webpage which can be viewed at: <https://www.idahofallsidaho.gov/370/Stormwater>
- c. The City and ITD has provided relevant and appropriate storm water management education and training for staff that hold positions responsible for maintenance activity and/or in-field construction oversight.

- d. The City has established a storm drain stenciling program. Locations of storm drains that have been stenciled are included within the appendices. Approximately 100% of the city's inlet boxes have been stenciled to date. In addition, new inlets will be labeled with markers that read "Only Rain in the Drain."

## **PUBLIC INVOLVEMENT AND PARTICIPATION**

- a. Public involvement/participation programs comply with State and local notice requirements.
- b. Applicable storm water management documents and this annual report are available for review at the City's website at <https://www.idahofallsidaho.gov/370/Stormwater>.
- c. The City (Sanitation Department) has participated in the annual "Adopt-a-Canal" and ITD has continued with its "Adopt-a-Highway" clean-up programs.

## **ILLICIT DISCHARGE DETECTION AND ELIMINATION**

- a. The City has established a mechanism to detect and eliminate illicit discharges to the MS4. This involves notification of the Sewer Department to respond to a discharge and determine the source. Municipal employees have been trained to be aware of illicit discharges if they are noticed in the field. The Sewer Department will keep record of the discharge through paper filings.
- b. The existing Idaho Falls Code of Ordinances contains provision for prohibition of pollutants to the sewer system as designated in Title 8, Chapter 1, Section 6 and Title 8, Chapter 1, Section 63 allows for searches to take place on private property:

### ***8-1-6: SEWAGE TO BE DISCHARGED INTO WASTEWATER TREATMENT SYSTEM:***

*All sanitary sewage, industrial waste or other waters containing any pollutant shall be discharged into the POTW. No person shall dispose of sewage, waste or polluted waters into the POTW except through an authorized connection to the POTW or unless otherwise expressly permitted by this chapter. No person shall discharge sewage, waste or water containing any pollutant into the public sewer through a manhole, unless expressly authorized by the Sewer Superintendent. (Ord. 2357, 12-22-99)*

### ***8-1-63: SEARCH WARRANTS:***

*If the Director has been refused access to a building, structure or property, or any part thereof, and is able to demonstrate probable cause to believe that there may be*

*a violation of this chapter, or that there is a need to inspect as part of a routine inspection program of the City designed to verify compliance with this chapter or any wastewater discharge permit or order issued hereunder, or to protect the overall public health, safety and welfare of the community, then the Director may seek issuance of a search or seizure warrant from a court of competent jurisdiction. Such warrant shall be served in the manner allowed by law. (Ord. 2223, 1-9-97)*

- c. The existing Idaho Falls Code of Ordinances contains provisions that designate what water may be discharged to the storm water system in Title 8, Chapter 1, Section 8:

*8-1-8: UNPOLLUTED WATER DISCHARGED TO STORM DRAIN:*

*All storm water shall be discharged to such sewers as are expressly designated or approved by the City as combined sewers or storm drains, or to a natural outlet approved by the City. Industrial cooling water or unpolluted process water may be discharged upon approval of the City to a storm drain, combined sewer or natural outlet. (Ord. 2223, 1-9-97)*

- d. The City has developed and continues to refine a comprehensive storm sewer system map for the jurisdictions located within the Idaho Falls Urbanized Area. A copy of the map is included within the appendices of this annual report.
- e. The City has teamed with the IDEQ, Bonneville County and the City of Ammon in order to inform the public about improper disposal of common wastes through the Household Hazardous Waste Collection Program. Storm water flyers have been included in utility billings that specifically discuss solutions to storm water pollution. The city also participated in the Idaho Falls Water Festival which educates area 5<sup>th</sup> and 6<sup>th</sup> graders about water as a resource.
- f. The City continues to conduct dry weather field screening for non-storm water flows from storm water outfalls. Approximately 98% of the outfalls have been screened during dry weather flow. This work is being completed by Idaho Falls Sewer Department pre-treatment personal. To date, no inventoried outfalls have contained flow during non-storm event inspections.
- g. The City has determined that there are no industrial facilities as defined in 40 CFR 122.26(b)(14)(i) through (xi) that discharge directly into the MS4s or waters of the United States within the Idaho Falls Urbanized Area. A memo from the Sewer Department Superintendent documenting this determination is included within the appendices.

## CONSTRUCTION SITE STORM WATER RUNOFF CONTROL

- a. Through the City of Idaho Falls Standard Specifications, the Planning and Zoning Division and individual dealings with contractors, the City has provided adequate direction in regards to storm water discharges for construction activities.
- b. ITD has provided oversight and direction to contractors working on District projects to ensure compliance with the Construction General Permit. This requirement has been fulfilled through specifications included within each contract and field inspections/reports completed while under construction.
- c. The City through the use of Standard Specifications requires that all new development comply with Construction General Permit requirements. Existing city ordinances that address litter and waste control are as follows:

### 5-4-2: PUBLIC STREETS:

(A) *Placing Debris on Streets. It shall be unlawful for any person to willfully or negligently throw from any vehicle, or to place, deposit or permit to be deposited upon or alongside any highway, street, alley or easement used by the public for public travel, any debris, paper, litter, glass bottle, glass, nails, tacks, hoops, cans, barbed wire, boards, trash or garbage, lighted material, or other waste substance. Such persons shall, upon conviction thereof, be punished by a fine not exceeding one thousand dollars (\$1,000) or by imprisonment not exceeding ten (10) days or both such fine and imprisonment. For the purpose of this Section, the terms "highway," "street," "alley," or "easement" shall be construed to include the entire right-of-way of such highway, street, alley or easement. (Ord. 2937, 12-19-13)*

### 5-8-8: IMPROPER HAULING OF LITTER:

*It is unlawful for any person to haul litter, or otherwise operate a vehicle carrying litter, in any manner which causes litter to be deposited or to accumulate upon any private property, canal right-of-way, public street, alley, sidewalk, park, right-of-way, or upon any publically-owned property within the City, upon any public street, sidewalk or private property, or which creates a reasonable likelihood that litter will be blown, dropped or spilled therefrom. (Ord. 3054, 01-26-16; Ord. 3176, 04-12-18)*

### 5-8-11: ACCUMULATION OF LITTER UPON PRIVATE PROPERTY:

*It shall be unlawful and a public nuisance for any persons owning, occupying, or having control of private property within the City to deposit, store or allow the accumulation of litter upon such property, except:*

- (A) *The temporary storage or accumulation of construction debris or materials in a manner which prevents the same from being blown upon adjoining property, while a building or structure is being constructed upon the premises, or during remodeling or reconstruction thereof.*
- (B) *Upon any property owned or operated by any recycler, salvage dealer, or junk yard dealer licensed by the City, subject to all provisions and restrictions contained in any ordinance or statute governing the operation of such licensed business. (Ord. 3054, 01-26-16; Ord. 3176, 04-12-18)*

10-1-5: GENERAL SUBDIVISION STANDARDS:

*(E 4 f) Adequate provisions shall be made for soil preservation, drainage patterns, and debris and waste disposal and collection.*

Improper erosion and sediment control of individual construction sites shall prevent issuance of the certificate of occupancy.

The City has also adopted a Construction Site Erosion Control Ordinance that reads as follows:

8-14-1: PURPOSE:

*This chapter sets forth requirements for construction site operators and enables the City to comply with the Clean Water Act. The objectives of this chapter are:*

(A) *To protect storm water, ground water, water bodies, water courses, and wetlands from construction activities pursuant to and consistent with the United States Clean Water Act (33 U.S.C. § 1251 et seq) as the same is currently in effect or as may be amended hereafter.*

(B) *To manage and control the amount of pollutants in storm water discharges, soil erosion, sediment discharge, and mud and dirt deposits on public roadways caused by or the result of construction activities.*

(C) *To regulate construction activities, storm water management and soil conservation measures are utilized at the site of any construction activity.*

(D) *To ensure adequate drainage, storm water management and soil conservation measures are utilized at the site of any construction activity.*

8-14-2: DEFINITION OF TERMS:

*Certain terms used in this Ordinance shall have the following meanings:*

**CHANGE IN GRADE:** *Any excavation, placement, removal or relocation of top soil or subsurface materials in any manner which results in or causes a change in grade or elevation of any portion of a Construction Site.*

**CITY:** *The City of Idaho Falls.*

*CITY ENGINEER: The City Engineer or a designated agent.*

*CONSTRUCTION ACTIVITY: The construction, repair, rehabilitation of any structure or improvement to real property which involves any excavation, grading, transportation or movement of topsoil or native rock to or from a Construction Site or which creates a significant chance that soil erosion will transport soil from the Construction Site in the public gutters or sewer.*

*CONSTRUCTION SITE: Any parcel of real property greater than 4,000 square feet in surface area located wholly in or partially within the City and where a Construction Activity or Change in Grade is undertaken or intended to be undertaken. (Ord. 2915, 02-28-13)*

**8-14-3: PERMITS:**

*(A) Permit Required. It shall be unlawful for any person to undertake any Construction Activity or Change in Grade without first obtaining a permit under this Chapter.*

*(B) No Construction Activity Without Permit. It shall be unlawful for any person to engage in any Construction Activity or Change in Grade except in compliance with an erosion control plan approved by the City Engineer in accordance with the provisions of this Chapter.*

*(C) Exemptions: The following construction of land disturbing activities do not require a permit:*

*(1) Minor land disturbance activities performed by the property owner or an employee of the property owner, including, but not limited to, home gardening, commercial and residential landscaping and landscaping maintenance and minor repair work.*

*(2) Repair of structures and utility work which occurs entirely on a residential lot in which no sediment leaves the property.*

*(3) Drain tiling, tilling, or planting incidental to agricultural crops, and harvesting of agricultural, horticultural, or silvicultural crops.*

*(4) Emergency repairs or emergency work necessary to protect life, limb, or property.*

*(5) The cleaning and/or removal of debris and obstructions from any existing ditch, canal, creek or river.*

*(6) The repair, installation or removal of any water line, sewer line, electric line, CATV line, gas line or computer cable occurring solely within the public right-of-way.*



*(D) Application for Permit. Each application for an erosion control permit shall be upon a form provided by the City and shall bear the mailing address and legal description of the site, the name(s) and address(es) of the owner(s) of the site, the names and mailing address(es) of all contractors or persons who engage in any Construction Activity on the Construction Site, the name of the certified erosion control contractor who will have responsible charge of the Construction Activity, the name of any engineer or professional consulting firm retained by the applicant to design, inspect and have responsible charge of such Construction Activity. The application shall be accompanied by a filing fee, the amount of which shall be set by a Resolution adopted by the City Council. Each application shall be accompanied by an erosion control plan, the contents of which shall be established by the City Engineer. The erosion control plan must bear the signature and certification number of an individual who possesses a valid and current certification in accordance with Section 8-14-7 of this Chapter and who has demonstrated competence in proper methods of erosion control and who is knowledgeable of federal, state, and local laws and regulations regarding erosion control and methods of preventing pollution and deposit of sediment into natural streams.*

*(E) Compliance with Plan Required. It shall be unlawful for any person to engage in, control, or otherwise have responsible charge of any Construction Activity or Change in Grade which does not comply with an approved erosion control plan. (Ord. 2915, 02-28-13)  
(Ord. 2915, 02-28-13)*

**8-14-4: REVIEW AND APPROVAL:**

*(A) The City Engineer will review each application for an erosion control permit and shall, in writing:*

*(1) Approve the permit application;*

*(2) Approve the permit application with reasonable conditions as may be necessary to secure the objectives to this ordinance; or*

*(3) Disapprove the permit application and provide the reasons for such disapproval in writing. (Ord. 2886, 11-10-11)*

**8-14-5: EROSION CONTROL PLAN:**

*(A) The contents and form of the erosion control plan shall be established by the City Engineer. The Building Division shall make such information available to contractors, developers and property owners upon request.*

(B) *The erosion control plan shall address the best management practices (BMPs) to assure the following standards or practices are followed during land disturbing activities:*

(1) *Erosion, sediment, or discharge of pollutants, resulting from construction activities, which enter onto public property or private property not controlled by the permit holder, shall be eliminated to the maximum extent practicable.*

(2) *All necessary action shall be taken to minimize the depositing and tracking of mud, dirt, sand, gravel, rock or debris on the public rights-of-way. The owner of the site of the construction activity or the permit holder shall be responsible for any clean-up of the public rights-of-way or private property not controlled by the permit holder necessitated by any tracking or depositing of mud, dirt, sand, gravel, rock, or debris, or shall reimburse the City for any expenses incurred by the City to clean-up the applicable area.*

(3) *Construction ramps shall be constructed of material that will not erode or deteriorate under adverse conditions and shall not be placed in a manner so as to interfere with the passage of storm water runoff.*

(4) *No debris, dirt, aggregate or excavated materials, or construction materials shall be placed on the public rights-of-way unless permitted by the City Engineer or his designee. In addition, public sidewalks shall not be removed, blocked, or otherwise rendered unusable by construction activity, equipment or materials, or portable toilets, unless a safe, usable alternate walkway, which meets the design standards of the American with Disabilities Act, is placed on the same side of the right-of-way by the contractor.*

(5) *No owner or lessee of real property shall allow the property to be unoccupied, unused, vacant or undeveloped after the topsoil has been disturbed or the natural cover removed, unless control measures are undertaken to prevent mud, sand, dirt, and gravel from mitigating offsite and entering the public rights-of-way or a storm water system. Soil or aggregate stockpiles shall not be stored on unoccupied, vacant, unused, or undeveloped property unless appropriate control measures are in place and reviewed and permitted by the City Engineer. This provision is not meant to prevent individual homeowners from accepting title of land that is not yet landscaped and such homeowners will not be in violation of this Ordinance.*

(6) *All temporary erosion and sediment control measures shall be removed after final site stabilization. Trapped sediment and other disturbed soil areas resulting from the removal of temporary measures shall be permanently stabilized within thirty (30) days from the removal of the temporary measures.*

(7) *Grading, erosion control practices, sediment control practices, and waterway crossings shall meet the design criteria set forth in the Best Management Practices for Idaho Cities and Counties, published by the Idaho Department of Environmental Quality.*

(8) Clearing, except that necessary to establish sediment control devices, shall not begin until all sediment control devices have been installed and have been stabilized.

(9) Phasing shall be required on all sites greater than thirty (30) acres with the size of each phase to be established at plat review and as approved by the City Engineer. (Ord. 2886, 11-10-11; Ord 3003, 4-23-15)

8-14-6: INSPECTIONS:

(A) The City Engineer or designated agent shall make inspections, approve the work completed, and/or notify the permit holder when the work fails to comply with the erosion control plan and permit as approved. A copy of the erosion control plan shall be maintained at the Construction Site at all times while construction work is being conducted. To obtain inspections, the permit holder shall notify the Building Division at least two (2) working days before the start of construction, installation of sediment and erosion measures, completion of final grading and close of construction season or final landscaping.

(B) The purpose of inspections is to determine compliance with the control plan and its effectiveness. All inspections are to be documented in written form.

(C) Filing of an application with the Building Division is deemed approval and authorization for such inspections at reasonable times. (Ord. 2886, 11-10-11; Ord. 3003, 4-23-15)

8-14-7: TRAINING AND CERTIFICATION:

(A) Any person who successfully completes a City approved training program in construction erosion control shall be recognized as a certified erosion control contractor. Fees for the issuance of such certification shall be set by resolution of the City Council.

(B) City certifications shall expire on December 31 of the third calendar year following issuance of the certification. A change of employment has no effect on the validity of such certification. (Ord. 2915, 02-28-13).

(C) Certifications from other cities, states or associations may be accepted upon approval of the City Engineer. (Ord. 2886, 11-10-11)

8-14-8: ENFORCEMENT:

(A) If the City Engineer or designated agent determines a violation of the approved erosion control plan is occurring or has occurred, the permit holder may be notified by a correction notice. Such notice shall contain a description of the violation and provide a time period in which corrective action must be taken.

(B) If the corrective action is not taken, a stop work order may be placed on the site or a citation may be issued.

(C) *If no reasonable effort at corrective action is made or if necessitated by an emergency, the City Engineer may cause the corrective action to be performed and shall assess the actual and administrative costs of such performance against the property owner.*

(D) *A stop work order may be issued at any time Construction Activities or Changes in Grade are being undertaken without a valid, current permit. (Ord. 2886, 11-10-11)*

8-14-9: *EFFECTIVE DATE:*

*This Chapter shall be effective with respect to any Construction Activity or Change of Grade which commences or occurs on or after the effective date of this Chapter. (Ord. 2886, 11-10-11)*

- d. Through Standard Specifications and Planning and Zoning requirements, the City has published or distributed local requirements for construction site operations to implement appropriate erosion and sediment control BMP's and control waste. A class entitled "Sediment and Erosion Control Procedures for Construction Sites" was developed and is provided on line at the City website: <https://www.idahofallsidaho.gov/269/Building>. All building contractors licensed to work within the City of Idaho Falls were notified of the class. In addition the City developed an Erosion and Sediment Control presentations and the slides can be viewed at [https://www.youtube.com/playlist?list=PLwm1wlc\\_9LLc0INIYSHybQF-0uWfqt4lf](https://www.youtube.com/playlist?list=PLwm1wlc_9LLc0INIYSHybQF-0uWfqt4lf).
- e. Currently all site plans and improvement drawings are reviewed to ensure conformance with existing storm water requirements for the City of Idaho Falls. Reviews involving potential water quality impacts, erosion and sediment control, control of other wastes and any other impacts that must be established have also been implemented through the site plan review process.
- f. A program has been established to implement, receive, track and consider information submitted by the public regarding all public concerns including construction site erosion and sediment control concerns. This is accomplished through the City website which establishes a means to email questions that are then distributed to the applicable department for response.
- g. In conformance with sections II.B.4.b & c the City has provided adequate direction to contractors by conducting training sessions and requiring storm water contractor education and certification for work in the City. <https://www.idahofallsidaho.gov/269/Building> provides on-line training and certification instructions. All contractors licensed to do work within Idaho Falls on sites greater than 4,000 square feet are required to attend this training and become certified prior to issuance of a permit. In addition, ITD continues to

provide oversight to contractors working on District projects to ensure storm water compliance. All work involving building permits within the City of Idaho Falls (residential or commercial) requires building inspections. The City's building inspection staff attended training in regards to proper erosion control. Buildings requiring development of a site plan are also reviewed to ensure that site plan requirements are met and adhered to prior to issuing a certificate of occupancy. The City has also enacted a Construction Site Erosion Control ordinance that is included in this Section under Subsection d.).

City ordinances also exist which allow for enforcement of the established storm water policy. Ordinances addressing these compliance issues include the following:

**8-1-75: CIVIL PENALTIES:**

(A) A User which has violated or continues to violate any provision of this Chapter, a wastewater discharge permit, or order issued hereunder, or any other pretreatment standard or requirement shall be liable to City for a maximum civil penalty in an amount set from time to time by Resolution of the Council. In the case of a monthly or other long-term average discharge limit, penalties shall accrue for each day during the period of the violation.

(B) To the fullest extent permitted by State law, the Director may recover reasonable attorney fees, court costs, and other expenses associated with enforcement activities, including sampling and monitoring expenses and the cost of any actual damages incurred by the City.

(C) In determining the amount of civil liability, the Court shall take into account all relevant circumstances, including, but not limited to, the extent of harm caused by the violation, the magnitude and duration, any economic benefit gained through the User's violation, corrective actions by the User, the compliance history of the User, and any other factor as justice requires.

(D) Filing a suit for civil penalties shall not be a bar against, or a prerequisite for, taking any other action against a User. (Ord. 2223, 1-9-97; Ord. 2684, 12-14-06; Ord. 2964, 8-14-14; Ord. 3094, 9-22-16)

- h. All construction projects administered by the Public Works Division comply with the Construction General Permit and all relevant local requirements for erosion, sediment and onsite materials control.

**POST-CONSTRUCTION STORM WATER MANAGEMENT IN NEW DEVELOPMENT AND REDEVELOPMENT**

- a. CH2M Hill completed a Storm Water Design Criteria Report for the City of Idaho Falls in August 1988. This report indicated that runoff caused by snowmelt over frozen ground can result in substantially more runoff volume than extreme precipitation events, of similar total volume over non-frozen ground. A recommendation was made that development and redevelopment within the city provide onsite storage of storm water equal to 1.3 inches over the entire site with no allowances made for impervious area. The non-allowance of infiltration was established to address the worst case scenario of snowmelt over frozen ground. Therefore, the city implemented a policy that new development must adhere to these requirements. This policy is covered by existing ordinance:

*10-5-3: SURFACE DRAINAGE FACILITIES:*

*No property shall be annexed to the City or platted or developed within the City unless adequate provisions are made for disposal of surface waters originating therefrom, either by wholly self-contained system of pumps and retention ponds or by use of publicly-owned storm drainage interceptors and ponds. For purposes of determining adequacy of such facilities a minimum design standard of 1.33 inches over frozen ground shall be used.*

- b. The City has reviewed existing ordinances referenced above and determined that it adequately addresses post-construction run-off requirements.
- c. The City has reviewed the program to ensure that proper long-term maintenance exists. City owned storm ponds are addressed on an annual basis for maintenance needs. The majority of city owned storm ponds are maintained by the Parks and Recreation Division. The Public Works Department is informed of any improvements required for pond maintenance. An annual allocation of funds is established in the City's Capital Improvement Program to address these maintenance concerns.

## **POLLUTION PREVENTION AND GOOD HOUSEKEEPING FOR MUNICIPAL OPERATIONS**

- a. Prior to these permitting requirement through EPA the City already utilized best management practices in regards to negative storm water related water quality impacts which include grounds/park and open space maintenance operation; fleet maintenance and vehicle washing operations; building maintenance; storm water system maintenance; and snow disposal site operation and maintenance.

The Parks and Recreation Division seek to minimize chemical fertilizers and ensure that mower decks are set at proper heights so that adequate grass heights are maintained. This allows better retention of storm water within established grasses and discourages runoff.

The Street Department conducts periodic washing of its vehicles within its maintenance facility. This washing is conducted in vehicle bays, which collects wash water through floor drains and conveys this water to the sanitary sewer system for treatment.

The Water Department conducts annual training informing its employees how to respond to water wasting complaints. In addition, the Water Department publishes an annual flyer that addresses water conservation. A copy of the flyer is included within the appendices. Also included within the appendices are work orders associated with specific property addresses that were inspected for water wasting.

- b. Training has been conducted for municipal personnel related to optimal maintenance practices for the protection of water quality. One of the integral parts of annual street maintenance involves sweeping of debris before the deposits can enter the storm system. Annual training is conducted by the Street Department to ensure that staff understands the most efficient means of removing debris from the streets and understands the value in keeping this material out of our storm systems.
- c. The City currently establishes snow dumpsites within its corporate boundary. These sites are established based on needed volume of storage for specific areas of the City and to minimize possible snowmelt discharges directly to Waters of United States. Ideally, these sites encourage ground infiltration of storm water and filtering across established vegetation during gradual spring snowmelt. A copy of established current snow dumpsites is provided within the appendices.

A brief description of snow management for the City is as follows:

Snow removal on arterial and collector streets consists of sweeping snow to the center of the roadway where snow is picked up and hauled to designated snow storage dumpsites. This removal process occurs as needed based on annual snow events.

Following a snow removal proclamation issued by the Mayor, residential streets are swept to the side of the roadway. Snow in residential cul-de-sacs is temporarily swept to the center until it can be loaded and hauled to designated snow storage dumpsites.

Due to adverse winter weather conditions the Street Department applies salts and sand to minimize vehicular collisions caused by icy roadways.

## ***RESULTS OF COLLECTED INFORMATION***

The City Street Department spent approximately 6,401 man-hours and equipment-hours conducting street cleaning from May 2018 through April 2019.

## ***SUMMARY OF ACTIVITIES PERFORMED***

The City responded to a number of notices of construction site off tracking on City streets, which generally occur in the spring of the year. The City locates the contractors who completed the offense and informed them that they are required to clean the sediment from the roadway and properly dispose of the material. If they were unable to complete this work, the Street Department deployed sweepers to remove the material from the roadway and the contractor is charged for this cleaning service.

## ***SUMMARY OF COMPLIANCE ENFORCEMENT***

The City of Idaho Falls received no enforcement actions from any regulatory agency, including the EPA that involved storm water discharge compliance during this permit year.



## ***SUPPORTING DOCUMENTATION***

Included within the appendices is supporting documentation for all ancillary items required under this NPDES permit. Items included consist of:

- Permit Reapplication Confirmation Letter from EPA
- Idaho Falls Storm Sewer Discharge Points and Service Area Map
- Cooperative Agreement – City of Idaho Falls and ITD, District 6
- Maintenance Agreement – City of Idaho Falls and ITD, District 6
- Water Conservation Flyer
- Storm Water Informational Flyer
- Water Festival Outline
- Storm Drain Stenciling Map
- Memo on Industrial Facilities
- Water Wasting Work Orders
- Snow Dump Site Map
- Storm Water Management Plan
- Permit No. IDS-028070

## ***GENERAL SUMMARY OF ACTIVITIES FOR NEXT REPORTING CYCLE***

This original permit expiration date has elapsed. The City has submitted a re-application for permit coverage. The City intends to comply with NPDES permit requirements in the following year by conducting/implementing the following:

- Conduct an annual review of SWMP implementation and submit an Annual Report
- Continue public education regarding impacts of storm water
- Maintain storm water educational webpage
- Continue to distribute appropriate and relevant storm water information to citizens and businesses through City utility billings and post all applicable information on the storm water webpage

- ITD shall continue appropriate training
- Continue storm drain stenciling program
- Continue to post SWMP documentation and annual reports on the website
- Continue to comply with State and Federal notice requirements
- Continue participation in the local “Adopt-a-Canal” and “Adopt-a-Highway” clean-up programs
- Prohibit Non-Storm Water Discharges to the Storm System
- Continue updates to the storm sewer system map
- Continue implementing a strategy for informing public employees, businesses, and the general public of hazards associated with illegal discharges and improper disposal of waste
- Continue dry weather screening for non-storm water flows
- Review, implement and enforce program to reduce pollutants to the system
- Provide adequate direction to developers
- ITD to continue to provide adequate direction to contractors
- Ensure site operators implement appropriate erosion and sediment control
- Continue to distribute local requirements for construction site operators to implement appropriate erosion and sediment control
- Continue to ensure permittee-owned construction projects comply with the EPA Construction General Permit
- Implement and enforce a post-construction storm water management program
- Enforce the ordinance to address post construction storm water management
- Continue to review the program to ensure long-term operation of post construction storm water management controls
- Continue municipal operations that reduce pollutants to the MS4
- Continue to educate employees with in-field responsibilities regarding storm water management

## ***DESCRIPTION AND SCHEDULE OF IMPLEMENTATION***

The City has not identified the need for new or additional BMP implementation to ensure compliance with applicable water quality standards.

## ***NOTICE OF IMPLEMENTATION***

Currently the permittees are not relying on any other entities to satisfy any of the NPDES permit obligations.