MUNICIPAL SEPARATE STORM SEWER SYSTEM (MS4)
EPA NPDES PERMIT NO.: IDS-028223
2016 ANNUAL REPORT

IDAHO TRANSPORTATION DEPARTMENT
DISTRICT ONE
Kootenai County
Coeur d'Alene, Idaho

SUBMITTED BY:
IDAHO TRANSPORTATION DEPARTMENT
DISTRICT ONE

FOR THE REPORTING PERIOD:
JANUARY 1, 2016 TO DECEMBER 31, 2016

FEBRUARY 15, 2017

INTRODUCTION

This Annual Report has been submitted by the Idaho Transportation Department District One (ITD) in response to reporting requirements set forth in Part IV.C of the EPA Permit #IDS-028223. This permit was issued by the Environmental Protection Agency (EPA) in compliance with the National Pollutant Discharge Elimination System (NPDES) regulations covering storm water discharges from ITD's Municipal Separate Storm Sewer System (MS4) located in Coeur d'Alene, Idaho. This report is hereby submitted to EPA and the Idaho Department of Environmental Quality (DEQ) to satisfy the permit reporting requirements for the Annual Report covering the period from January 1, 2016 through December 31, 2016. The purpose of this Annual Report is to document progress toward achieving the minimum control measures associated with the ITD D1 MS4, as identified by ITD D1's Stormwater Management Program (SWMP). The permit and MS4 documentation can be accessed on the ITD website.

MINIMUM CONTROL MEASURES IDENTIFIED BY THE SWMP

A. PUBLIC EDUCATION AND OUTREACH

1. ITD Stormwater Training Opportunities – ITD offers instructor led training opportunities in stormwater management and sediment and erosion control. These courses satisfy the qualification requirements for stormwater inspectors on ITD projects. In 2016, ITD provided the following statewide training opportunities to ITD personnel, consultants, and construction contractors:
    - There were 2 Environmental Inspector Courses (16 hours) and 38 people were certified in 2016.

2. ITD Stormwater Management, Sediment and Erosion Control Guidance - Ongoing updates were made to ITD's website relative to the subject of stormwater management during the past reporting period. The ITD website is used as the principal tool for disseminating stormwater information, guidance and contract specifications for ITD projects. The ITD website is the best and most current source for downloading stormwater information from ITD.

3. ITD Stormwater Newsletters - ITD periodically develops and distributes stormwater management newsletters focusing on the latest stormwater, sediment and erosion control news and information applicable in Idaho. There were no newsletters developed in 2016. Past newsletters can be downloaded from the ITD website.

B. PUBLIC INVOLVEMENT/PARTICIPATION

1. ITD Website - ITD continues to maintain a stormwater/MS4 section on its website. The ITD D1 MS4 permit, annual reports, MS4 map, and water quality data are available on the website for viewing. The public can contact ITD with any comments or questions through the website.

2. ITD Maintenance Section Public Involvement - ITD's Operations Manager and staff are responsible for performing highway maintenance activities on ITD right of way, including maintenance of stormwater infrastructure. Any public or regulatory agency concerns and comments can be directed to the ITD District 1 Operations Manager at any time during normal business hours by calling 208-772-1200, accessing the ITD website or by visiting or writing to the District 1 Office at 600 W. Prairie Avenue Coeur d'Alene, Idaho 83815.

3. ITD Transportation Planning Activities - ITD routinely participates the Kootenai Metropolitan Planning Organization (KMPO) quarterly meetings. Formed in 2003, KMPO and its technical arm, the Kootenai County Area Transportation Team (KCATT), meet monthly to facilitate its mission. These groups oversee transportation activities within the federally designated urban area boundary, develop the transportation work plan and a transportation demand model. The KMPO consists of several transportation and land use planning organizations that include the following: Cities of Coeur d'Alene, Post Falls, Hayden, Rathdrum, Kootenai County, Post Falls Highway District, Lakes Highway District, Eastside Highway District and ITD. The KMPO process also helps shape projects that may become incorporated into ITD's Transportation Improvement Program. KMPO meetings include an open public comment opportunity to allow for public involvement in KMPO activities. Stormwater issues or concerns may be raised by the public during KMPO meetings.

4. Adopt a Highway Program – In 2016, 2.8 tons of litter was removed from the I-90 right of way within the MS4 drainage area.

C. ILLICIT DISCHARGE DETECTION AND ELIMINATION

1. Dry Weather Screening - On September 8, 2016 the I-90 MS4 was visually observed at open ditches and pipe outfalls to satisfy the requirement for dry weather screening in an effort to identify any potential for illicit discharges to the MS4 system. There were no signs of illicit discharges to the ITD MS4 system in 2016.

2. Spill Response - ITD's spill response procedures are identified in the *Transportation Incident Management Plan for the State of Idaho, January 2008*. This document can be obtained from the ITD website.

3. Complaint Filing - ITD has also set up an electronic file folder to record and track any public complaints or information that may be received. Complaints or other information related to MS4 management and operation can be communicated to the District 1 Headquarters office at 208-772-1200. No specific complaints were recorded during the 2016 reporting period.

4. ITD MS4 Map - ITD has developed a stormwater infrastructure map of the I-90 facility within the city limits of Coeur d'Alene. The map may be modified over time with new information. No changes to the map were made in 2016. The MS4 map is posted on the ITD website.

5. Illicit Discharge Training - As discussed in Control Measure 1, ITD implements an ongoing stormwater education and training program for its employees and interested contractors in the area of NPDES regulations, stormwater management, and sediment and erosion control BMPs. The training program will be maintained, updated, and revised periodically as regulations change and BMP technical support materials are updated.

D. CONSTRUCTION SITE STORMWATER RUNOFF CONTROL

No construction projects were undertaken within the MS4 area during 2016.

E. POST-CONSTRUCTION STORM WATER MANAGEMENT IN NEW DEVELOPMENT AND REDEVELOPMENT

No development or redevelopment projects were undertaken during 2016 within the portion of the MS4 area operated by ITD.

F. POLLUTION PREVENTION AND GOOD HOUSEKEEPING FOR MUNICIPAL OPERATIONS

The principle stormwater pollutant in highway runoff is sediment (sand) from highway sanding operations. Sediment deposits can build up along roadway shoulders, catch basins, and within open ditches along the roadway. Maintenance activities to address

sedimentation of the system include periodic shoulder shaping, drop inlet sediment removal, and ditch cleaning to maintain the original line and grade of the stormwater system. In recent years ITD has scaled back on its use of sand for use as anti-skid material and now uses more salt brine than in the past. Less sanding on I-90 generally means less frequent maintenance to remove sand deposits on shoulders and from drop inlets and ditches. Routine roadway brooming and drop inlet maintenance was conducted by ITD in April of 2016.

ITD personnel inspected the I-90 stormwater conveyance system in September 2016. All of the highway embankment slopes along the facility are currently stable with no signs of erosion. The catch basins, piping and ditches appear to be in proper working condition. Currently ITD has no concerns with the MS4 operation and has no immediate plans to perform ditch maintenance. In the future, if sediment removal from ditches becomes necessary again, the work will be conducted during dry weather periods when the MS4 is dry and the potential for sediment discharge is low.

Operation and maintenance (O&M) of the I-90 MS4 does not require any of the following activities: fleet vehicle maintenance and washing, materials storage, building maintenance, grounds/park maintenance, hazardous material storage, used oil recycling, sand/salt storage, solid waste transfer activities, spill control and prevention measures for refueling facilities, or snow disposal site operation.

G. CONTROL OF THE DISCHARGE OF POLLUTANTS OF CONCERN

Samples were collected per the MS4 permit requirements in 2016 (see updated data log). Sampling events occurred on 3/29/2016, 5/26/2016, 8/10/2016 and 10/11/2016.

H. RESULTS OF INFORMATION COLLECTED AND ANALYZED DURING THE PREVIOUS 12 MONTH PERIOD:

See Attached.

I. SUMMARY OF THE NUMBER OF INSPECTIONS, FORMAL ENFORCEMENT ACTIONS AND SIMILAR ACTIONS PERFORMED BY THE PERMITTEE:

No formal enforcement actions or recommendations were filed during 2016.

J. SUMMARY OF NON-EPA RELATED COMPLAINTS AND/OR ENFORCEMENT ACTIONS:

There were no non-EPA related complaints and/or enforcement actions.

K. COPIES OF EDUCATIONAL MATERIALS, ORDINANCES, INVENTORIES, GUIDANCE MATERIALS OR OTHER PRODUCTS:

Refer to ITD website.

L. ACTIVITIES TO BE UNDERTAKEN IN COMING YEAR:

Continue water quality monitoring and conduct dry weather survey.

M. DESCRIPTION AND SCHEDULE FOR IMPLEMENTATION OF ADDITIONAL BMPS THAT MAY BE NECESSARY BASED ON MONITORING RESULTS TO ENSURE COMPLIANCE WITH APPLICABLE WATER QUALITY STANDARDS:

None

N. NOTICE IF THE PERMITTEE IS RELYING ON ANOTHER ENTITY TO SATISFY PERMIT OBLIGATIONS:

None

FIGURES AND ATTACHMENTS

- ITD D1 MS4 Water Quality Laboratory Results