IDAHO TRANSPORTATION DEPARTMENT DISTRICT ONE
MUNICIPAL SEPARATE STORM SEWER SYSTEM (MS4)
EPA NPDES PERMIT NO.: IDS-028223

ANNUAL REPORT SUBMITTAL

SUBMITTED BY:
IDAHO TRANSPORTATION DEPARTMENT
DISTRICT ONE

FOR THE REPORTING PERIOD:
JANUARY 1, 2009 TO DECEMBER 31, 2009

FEBRUARY 15, 2010

INTRODUCTION

This Annual Report has been prepared in response to reporting requirements set forth in Part IV.C of ITD District One's (hereafter ITD) NPDES MS4 Permit #IDS-028223. This report is hereby submitted to EPA and IDEQ to satisfy the requirements for the first Annual Report covering the period from January 1, 2009 through December 31, 2009. The purpose of the Annual Reports is to document progress toward achieving the minimum control measures identified by ITD's Storm Water Management Program (SWMP). This report is organized in the general order of the SWMP components as specified by Parts II.B, II.C and IV.C of the Permit. Each permit requirement has been summarized for ease of reference.

MINIMUM CONTROL MEASURES IDENTIFIED BY THE SWMP

1. Public Education and Outreach

Requirements: within two years of the effective date of ITD's MS4 permit (January 2011), the permit requires the implementation of an education program to educate its audiences about the impacts of storm water discharges on local water bodies and the steps that ITD employees, contractors, or other ITD agents can take to reduce pollutants in stormwater; provide education and training program; and distribute education materials to employees, citizens and businesses with whom the permittee interacts.

a. **ITD Training Opportunities** - The ITD provides a 3-day training course in stormwater pollution control best management practices and National Pollutant Discharge Elimination System (NPDES) rules and regulations. This course is generally taken by any of the ITD staff involved with sediment and erosion control oversight and inspection working in the ITD maintenance section, construction inspection, project development or ITD contractors and consultants. The course is developed in accordance with the Transportation Technician Qualification Program (TTQP) and guidance from the Western Alliance for Quality Transportation Construction (WAQTC). The course requires a pass/fail exit test (certification) and periodic eight-hour refresher session as required by way of ITD policy for ITD staff responsible for performing construction stormwater related inspections, including weekly NPDES inspections on construction sites. The course is primarily open to ITD employees, but may also be requested by consultants and contractors involved with ITD projects. A total of 34 ITD employees attended the training course in 2009 for a current total of 63 NPDES certified ITD employees. Numerous non-ITD people completed the course in 2009 although no head count is available at this time because ITD does not currently track the certification status of non-ITD employees.

b. **ITD Stormwater, Sediment and Erosion Control Guidance** - The Idaho Transportation has maintained construction site stormwater, sediment and erosion control technical support materials for many years with the latest version of the ITD Erosion and

Sediment Control Manual of Best Management Practices published in December 2001. ITD is currently working with the firm, Brown and Caldwell to develop another NPDES guidance document for general use titled "*Construction Stormwater Management Guide for Planning, Design and Construction"*. A draft report was prepared in January 2010 and will be completed in 2010. Additionally, stormwater management technical guidance can be found on the ITD website. ITD plans has immediate plans to fill an open liaison staff position in ITD Headquarters to actively maintain and enhance the stormwater section of the ITD website.

c. **Interagency Cooperation** – On February 1, 2010, ITD purchased 300 copies of the "*2009 Stormwater Erosion Education Program (SEEP) Field Guide"* prepared by the Panhandle Area Council. The SEEP and its educational materials were developed to educate public and private entities in the Northern Idaho area about stormwater related issues. The SEEP field guide will be distributed from the public foyer at the ITD District 1 Headquarters building. The field guide will be available to all visitors interested in sediment and erosion control information. ITD will purchase additional copies to replenish supplies as necessary. ITD has and will continue to assist SEEP organizers with administration of the program, which may continue to include offers to utilize ITD properties for field training exercises.

d. **ITD Stormwater Newsletters** - ITD develops and distributes a quarterly stormwater management newsletter under a contract with Brown and Caldwell. The newsletter focuses on the latest stormwater, sediment and erosion control news and information in Idaho. The newsletter is the product of "education requirements" identified by the EPA/ITD Consent Decree. Four newsletters were produced in 2009 in March, June September and December.

2. Public Involvement/Participation

Requirements: The permittee must comply with applicable State and local public notice requirements when implementing public involvement/participation program; within two years of the effective date of the permit, the permittee must make SWWP documents and Annual Reports available to the public and posted online. At least once per year the permittee must coordinate, promote and participate in the "Adopt a Highway" program.

a. **ITD Public Involvement Policy** – As a federally funded transportation agency, ITD is bound to implement an effective public involvement process that fulfills multiple legal responsibilities, such as those required by the National Environmental Policy Act. ITD operates from the Statewide Transportation Improvement Program (STIP) which is a staged, multi-year, intermodal program of transportation projects. The STIP is updated annually following a period of public availability. On a project specific basis, each ITD

project must address public involvement goals and objectives and fulfill legal responsibilities. Public involvement plans and outreach efforts vary from project to project depending on project complexity. Generally, a public hearing is required for all projects, although this requirement is often waived for very simple projects, such as pavement rehabilitations. More complex projects, such as highway reconstruction/realignment and interchange construction require greater public involvement effort, such as multiple open house public meetings and hearings. In 2009, there were no projects within the right of way in the ITD MS4 area that required public meetings or hearings. Additionally, ITD seeks to comply will all local stormwater management rules and regulations related to public involvement and participation. As mentioned earlier, ITD will be reorganizing and enhancing its website such that certain stormwater related documents, such as this annual report will be made easily available for public viewing.

b. **ITD Maintenance Section Public Involvement** - ITD's Maintenance Engineer and staff are responsible for performing highway maintenance activities on ITD right of way, including maintenance of stormwater infrastructure. Public or agency regulatory concerns and comments can be directed to the ITD District Maintenance Engineer at any time during normal business hours. In 2009, ITD did not receive input regarding stormwater issues related to its MS4.

c. **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, which is to 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, including: 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 become incorporated into the State Transportation Improvement Plan as discussed earlier. KMPO meetings include an open public comment agenda item to allow for public involvement in KMPO activities. Stormwater issues or concerns may be raised by the public during KMPO meeting. In 2009, there was no indication to ITD of stormwater related public comments voiced during KMPO activities, although the KMPO/KCATT public involvement forum will continue.

d. **Adopt a Highway Program** – ITD has participated in the Adopt a Highway Program since 1988. The program allows volunteer groups to pick trash up and debris along a preselected 2-mile segment of highway three times per year. ITD coordinates the

logistics and provide trash bags to the group and picks up the bags for disposal at the land fill. The program was successfully implemented in 2009 and will continue in 2010.

3. Illicit Discharge Detection and Elimination

Requirements: within two years from the effective date of the permit, ITD must develop a program to detect and eliminate illicit discharges to the ITD MS4; develop an ordinance or other regulatory mechanism; within two years, refine and complete MS4 mapping; within two years, develop an education/training program to inform employees, contractors or other agents about the hazards associated with illegal discharges and improper disposal of waste; within three years, initiate dry weather field screening and inventory all industrial facilities that discharge to MS4 system; and within three years, the permittee must inventory all industrial facilities that discharge into the permittee's MS4.

As a transportation agency, ITD monitors and controls activities that occur within the highway right of way. ITD does not regulate land uses or establish stormwater regulatory policy on adjacent private land. While there is some exposure to acts of illicit discharges within the highway right of way, public access to the ITD MS4 stormwater drainage system is generally highly visible and restricted, which reduces the likelihood of the stormwater system becoming the target of illicit discharges. Interstate 90 and its right of way are continuously monitored by ITD maintenance personnel for proper function, maintenance needs or unpermitted trespassing. There was no evidence of illicit discharges to the I-90 stormwater drainage system during 2009. More notable potential problems could occur from illicit discharges originating at the City of Coeur d'Alene's stormwater drainage system and eventually mixing with the I-90 stormwater drainage. ITD is ready to assist the City of Coeur d'Alene in any attempt monitor or correct issues related to illicit discharges that impact the highway right of way.

ITD continues to develop and refine a stormwater infrastructure map within the city limits of Coeur d'Alene and Post Falls. ITD personnel inspected pipes and ditch lines along the I-90 corridor through Coeur d'Alene in September 2009. ITD notes that the City of Coeur d'Alene's stormwater GIS map is comprehensive and identifies points within the I-90 where the city and state systems comingle. We anticipate finalizing and submitting a refined map or drawing prior to December 31, 2010.

As previously mentioned, ITD's stormwater training is ongoing and will continue to raise the awareness of its employees as to the hazards associated with illicit discharges within the highway right of way.

Dry weather field screening and industrial facility discharges will be addressed in a subsequent annual report.

4. Construction Site Stormwater Runoff Control

Requirements: a) within two years of effective date of the permit, the permittee must review, implement, and enforce a program to reduce pollutants in construction runoff from the MS4 from land disturbances greater than one acre; b) provide appropriate information and direction to contractors working on ITD projects to ensure compliance with the NPDES CGP #IDR10-0000; c) within two years, the permittee must adopt an ordinance or other regulatory mechanism to require all construction site operators to practice appropriate sediment and erosion and waste control; d) within two years, the permittee must publish and distribute requirements for construction site operators appropriate sediment and erosion and waste control; e) within two years, the permittee must develop procedures for reviewing all pre-construction site plans for potential water quality impacts; f) within two years, the permittee must implement a program to receive, track and review information submitted by the public regarding construction site sediment and erosion control complaints; g) within three years, the permittee must develop and implement procedures for site inspection and enforcement of measures as required in Parts II.B.4.c and d; and h) the permittee must comply with the Construction General Permit and local requirements and ensure that all contractors working on behalf of the permittee are in compliance.

Since 1996 ITD's has maintained a Department policy that requires all projects to have sediment and erosion control plans in place during construction. Standard project contract specifications developed to implement this policy are continuously being refined with each subsequent update to ITD standard specifications (*Standard Specifications for Highway Construction).* ITD's current standard specification for stormwater management, knows as the "Clean Water Act" insert focuses on strict adherence to EPA NPDES Construction General Permit (CGP) requirements and the requirements set forth in the EPA/ITD Consent Decree issued in 2006 for projects that disturb greater than one acre of soil and discharge to waters of the U.S.

The Clean Water Act insert identifies ITD and contractor obligations to comply with the CGP, including certification and implementation of Stormwater Pollution Prevention Plans (SWPPP) and stormwater inspections and compliance reporting. The Clean Water Act insert also requires the development of sediment and erosion control plans, in accordance with SWPPP guidelines, for projects that do not exceed the NPDES CGP regulatory threshold. All SWPPPs that are prepared as required by the Clean Water Act insert, must be approved by ITD and otherwise meet any local ordinance requirements for review and approval. ITD will continue to utilize its Clean Water Act insert in all ITD construction contracts. In addition, ITD will receive, track and review information submitted by the public regarding construction site erosion and sediment control complaints on project discharging to the ITD MS4 in subsequent MS4 Annual Reports.

5. Post-Construction Storm Water Management in New Development and Redevelopment

Requirements: a) within three years of effective date of the permit, the permittee must implement and enforce requirements to address post-construction stormwater runoff from projects disturbing greater than one acre; b) within three years, the permittee must adopt an ordinance or other regulatory mechanism to address post-construction runoff from projects; c) within three years, the permittee must ensure proper long-term operation and maintenance of all permanent stormwater management controls located within its jurisdiction; d) within four years, the permittee must develop and implement a process for pre-construction plan review of permanent stormwater management controls and inspection of such controls to insure proper installation and long-term operation and maintenance.

ITD currently considers post-construction runoff quality from all projects it develops and implements. Specifically, ITD seeks to comply with post-construction runoff requirements as set forth by local authorities and ordinances. Such requirements can involve the design, construction and maintenance of stormwater treatment features that reduce stomwater pollutant loads in discharges. Common treatment features incorporated into ITD project include grassy swales, sedimentation vaults and filters or wet detention ponds. ITD will continue to incorporate stormwater treatment concepts into highway improvement plans within the MS4. In 2009, ITD did not design or construct a highway improvement project with the MS4 area.

ITD maintenance personnel inspected the I-90 stormwater conveyance system in August 2009 and did not identify any major problems or concerns to be addressed. The most recent maintenance work on the I-90 system occurred in 2004 when the ditch lines in the vicinity of the Sherman Ave Interchange were excavated to maintain the approximate original configuration and drainage capacity.

6. Pollution Prevention and Good Housekeeping for Municipal Operations

Requirements: a) within two years from the effective date of this permit, the permittee must develop and implement an operation and maintenance program intended to prevent and reduce pollutant runoff from the permittee's operation; b) within two years, and annually thereafter, the permittee must develop and conduct appropriate training for ITD's employees related to optimum maintenance practices as required above; c) Within two years, the permittee must prepare and implement a stormwater pollution prevention plan for the two maintenance yards located within the urbanized area.

As previously mentioned, ITD's maintenance staff work to ensure the highway system, including the stormwater conveyance and treatment infrastructure, are maintained in proper working condition and free of hazards and pollution sources. In 2009, all of the highway embankment slopes along ITD transportation facilities were stable with no signs of erosion. ITD catch basins and stormwater facilities were in proper operating conditions.

Ongoing ITD training opportunities in stormwater, sediment and erosion control will continue to be offered to ITD employees, as described previously.

ITD has constructed numerous pollution prevention measures at its maintenance facilities in recent years to improve the quality of stormwater runoff from its facilities, such as contained salt/sand sheds and self contained vehicle wash pads. Pollution prevention plans will be finalized and documented in subsequent MS4 annual reports.

7. CONTROL OF THE DISCHARGE OF POLLUTANTS OF CONCERN

Requirements: conduct stormwater discharge monitoring as required in Part IV of the permit (no later than 18 months from the effective date of the permit); determine whether stormwater discharges from any part of the MS4 contribute pollutants of concern to 303(d) listed water bodies; and within one year from the effective date of this permit the annual report must include a description of how the activities in each of the minimum control measures will be targeted to control pollutants of concern, prevent an in-stream violation of water quality standards and provide discussion of how the permittee will evaluate and measure effectiveness of SWWP measures.

ITD District 1 will begin conducting stormwater discharge monitoring for the pollutants identified in IV.A of the permit within 18 months from the effective date of the permit. ITD has identified a sampling location within the highway ditch system located at the I-90/Sherman Avenue interchange. The purpose of the monitoring is to ensure to the maximum extent practical that the ITD's MS4 discharges will not cause an in-stream violation of the applicable water quality standards. Following a field investigation during the summer of 2009, ITD noted that the I-90 stormwater drainage system mixes with City of Coeur d'Alene's stormwater drainage system and the French Gulch drainage. There is no practical way to differentiate ITD's pollutant load contribution from the portions of the city system and French Gulch. ITD will therefore implement a monitoring program that will generally characterized pollutant concentrations and loads from the I-90 system as well as adjacent areas within the City of Coeur d'Alene.

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

See Attached.

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

One general inspection within right of way; No formal enforcement actions.

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

None.

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

See Attached.

12. ACTIVITIES TO BE UNDERTAKEN IN COMING YEAR:

Will submit MS4 Map.

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

Not Applicable at this time.

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

Not Applicable at this time.