



The Municipal Separate Storm Sewer System
(MS4)
NPDES Permit for
Nampa, Idaho
(#IDS-028126)

The City of Nampa Annual Report

Permit Year One of the Nampa MS4 Permit
(FY2010)

October 15, 2009 – October 14, 2010

Prepared by the City of Nampa Stormwater Division
January 13, 2011

Report of Certification

Document: City of Nampa 2009-2010 NPDES MS4 Annual Report for Stormwater Permit (#IDS-028126)

“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”

Signature: _____ **Date:** _____

Tom Dale, Mayor, City of Nampa

City of Nampa NPDES MS4 Annual Report

Permit #IDS-028126

January 13, 2011

Reporting Period

October 15, 2009 to October 14,
2010

Submitted To:

United States Environmental
Protection Agency
Stormwater Program
NPDES Compliance Unit
Region 10, Seattle, Washington, WA
&
Idaho Department of Environmental
Quality
Boise Regional Office
Boise, Idaho

Submitted By:

City of Nampa, Idaho

Table of Contents

Summary of Permit and Annual Report Requirements	4
1. Introduction	5
1.1 Permittee Information.....	5
1.2 Reporting Period	5
1.3 Report of Certification.....	5
2. Status of Stormwater Management Program	6
2.1 Introduction	6
2.2 Public Education and Outreach (Permit Part II.B.1).....	6
2.3 Public Involvement/Participation (Permit Part II.B.2).....	8
2.4 Illicit Discharge Detection and Elimination (Permit Part II.B.3).....	11
2.5 Construction Site Stormwater Runoff Control (Permit Part II.B.4).....	14
2.6 Post Construction Stormwater Management in New Development and Redevelopment (Permit Part II.B.5).....	18
2.7 Pollution Prevention and Good Housekeeping for Municipal Operations (Permit Part II.B.6) ...	22
3. Discussion of Pollutants of Concern.....	27
3.1 Minimum Measure #1: Public Education and Outreach	27
3.2 Minimum Measure #2: Public Involvement/Participation	28
3.3 Minimum Measure #3: Illicit Discharge Detection Elimination.....	28
3.4 Minimum Measure #4: Construction Site Stormwater Runoff Control.....	29
3.5 Minimum Measure #5: Post Construction Stormwater Management.....	29
3.6 Minimum Measure #6: Pollution Prevention and Good Housekeeping for Municipal Operations	29
4. Other Required Documents and Reports.....	30
Stormwater Management Plan	30
Monitoring Plan	30
Quality Assurance Plan	30
Copies of Additional Stormwater Materials.....	30
Appendix A: Stormwater Acronyms	31
Appendix B: Stormwater Glossary.....	32
Appendix C: Stormwater Organizational Chart	34
Appendix D: Stormwater Management Plan	38
Appendix E: Stormwater Monitoring Plan	36
Appendix F: Quality Assurance Plan.....	37
Appendix G: Copies of Additional Stormwater Documents	38

Summary of Permit and Annual Report Requirements

As required by the EPA 1999 Stormwater Phase II Final Rule, the City of Nampa applied for National Pollution Discharge Elimination System (NPDES) permit coverage for stormwater discharges in February 2003. The United States Environmental Protection Agency (USEPA) issued the City of Nampa a Phase II Municipal Separate Storm Sewer System (MS4) NPDES permit (IDS-028126) effective October 15, 2009. This permit expires midnight October 14, 2014 and the City must apply for reissuance on or before April 18, 2014. This report summarizes permit activities for the first year of the first permit cycle.

The permit effective October 15, 2009 identifies that the City must develop, implement, and enforce a Stormwater Management Plan (SWMP) designed to reduce the discharge of pollutants from the MS4 to the maximum extent practicable (MEP) and to protect water quality in receiving waters. The City's SWMP actions and activities include Best Management Practices (BMPs), system design, engineering methods, and other provisions appropriate to control discharges of pollutants from the MS4.

In addition to the individual permit issued to the City of Nampa, EPA has concurrently issued seven other NPDES permits for other regulated MS4s in the greater Nampa-Boise Urbanized Area in an effort to establish consistent, area wide expectations for the management of municipal stormwater. Other regulated small MS4s for which EPA has issued NPDES permits in the Nampa Urbanized Area include:

- City of Caldwell (Permit #IDS-028118),
- Canyon Highway District (Permit #IDS-028134),
- Nampa Highway District (Permit #IDS-028142),
- Notus-Parma Highway District (Permit #IDS-028151),
- City of Middleton (Permit #IDS-028100),
- Ada County Highway District (Permit #IDS-028185), and
- Idaho Transportation Department District #3 (Permit #IDS-028223).

EPA encourages all of the MS4 operators to work together to manage stormwater discharges in a comprehensive and consistent fashion throughout the Canyon and Ada County areas. In an effort to meet the wishes of EPA, the City of Nampa has taken the initiative to create the Canyon County MS4 Stakeholder's Group. Representatives from each of the regulated MS4s in Canyon County attend the meetings to discuss issues common to all participants and to provide technical and moral support.

Reporting requirements under the 2009 MS4 permit include an Annual Report for each year of the permit period to be submitted to the EPA and Idaho Department of Environmental Quality (IDEQ). Copies of all annual reports, including monitoring summaries when applicable, shall be made available to the public at City Hall and through the City's Stormwater Division website (expected to be operational mid 2011).

Section 1

Introduction

As part of the NPDES MS4 permit requirements, the City of Nampa is required to submit an Annual Report. The report will provide a summary of activities taken by the City to achieve compliance with permit requirements covering the six minimum measures. Specific stormwater reporting requirements and objectives are defined in Part IV of the City's NPDES MS4 Permit.

1.1 Permittee Information

Permit Number: IDS-028126
Permittee: City of Nampa, Idaho
Mailing Address: 411 Third Street South
City, State, Zip Code: Nampa, Idaho 83651
Phone Number: (208) 468-5478

Have any areas been added to the MS4 due to annexation or other legal means? YES

(If yes, include updated map.)

Nampa is attaching a map showing the annexed areas from November 1, 2009 to October 31, 2010. Subsequent Annual Reports will include updated maps to include any added areas to the MS4 due to annexation or other legal means. (See Appendix G for a copy of the Annexation map.)

1.2 Reporting Period

October 15, 2009 to October 14, 2010

1.3 Report of Certification

See the signed Report of Certification provided at the beginning of this Annual Report as required in Permit Part VI.E *Signatory Requirements*.

Section 2

Status of Stormwater Management Program

2.1 Introduction

According to the Stormwater Phase II Rule, small MS4 owners/operators must reduce pollutants in stormwater to the MEP to protect water quality. The regulations specify that compliance with the MEP requirement can be attained by developing a SWMP that addresses the six minimum control measures described in detail. Properly managed stormwater can help to minimize or avoid problems with erosion, flooding, and damage to natural drainage features such as streams and wetlands as well as protect and provide wildlife habitat in these natural features. Nampa's SWMP strives to reduce or eliminate pollutants to local water bodies to the MEP as well as enhance and protect existing wildlife habitat valued by the citizens of Nampa.

The following sections provide a summary of activities associated with each of the six minimum measures including accomplishments to date and activities scheduled for subsequent permit years. Each section presents the same information for each minimum measure per permit requirements associated with the Annual Report. The following topics are addressed for each minimum measure:

- a. **General Summary.** General summary of accomplishments to date.
- b. **Evaluation of Compliance.** An evaluation of compliance with the requirements of this permit, the appropriateness of identified BMPs, and progress toward achieving identified measurable goals of the SWMP for the minimum control measure.
- c. **Results of Data Collected.** Results of any information collected and analyzed during the previous 12-month reporting period, including storm water discharge data, surface water monitoring data, and any other information used to assess the success of the program at reducing the discharge of pollutants to the maximum extent practicable.
- d. **Summary of Inspection and Enforcement.** A summary of the number and nature of inspections and formal enforcement actions performed.
- e. **Summary of Upcoming Activities.** A general summary of the activities the permittee will undertake during the next reporting cycle (including an implementation schedule) for the minimum control measure.
- f. **Proposed Changes to the SWMP.** Proposed changes to the SWMP, including changes to any BMPs or any identified measurable goals for any minimum control measures since previous report or permit application.
- g. **Permit Obligation Met by Other Entities.** Notice if the permittee is relying on another entity to satisfy some of the permit obligations, if applicable.

2.2 Public Education and Outreach (Permit Part II.B.1)

General Summary

The City has progressed significantly in meeting the permit public education and outreach requirements. Most significantly, the City created the Nampa Stormwater Advisory Group with the goal of educating a group of citizens on stormwater management that represent a wide range of interests including commercial, industrial, and private citizens. In addition, Nampa has spearheaded the formation of the Canyon County MS4 Stakeholder Group to facilitate consistent local stormwater management practices. Representatives from each of the regulated MS4s in Canyon County attend the meetings to discuss issues common to all participants and to provide technical and moral support.

Evaluation of Compliance

Implement an ongoing public education program, to educate the community (Permit Part II.B.1.a)

- City formed the Nampa Stormwater Advisory Group educating small groups of citizens on stormwater management issues and components of the SWMP
- City spearheaded the Canyon County MS4 Stakeholder Group to facilitate interaction of permittees and potential sharing of resources such as consistent educational materials
- City retained consultant to assist in creation of public educational materials

Distribute stormwater educational materials to target audiences (Permit Part II.B.1.b)

- City developed two Stormwater Program Facts Sheets geared toward the general public. One Fact Sheet was focused on general stormwater management requirements and the second on the stormwater utility.
- City distributed educational materials relating to EPA's Construction General Permit to appropriate audiences including contractors and developers within the urbanized area.
- City provided educational materials and workshops to Nampa City Council Members, Department/Division Heads and municipal employees

Update information on a stormwater website (Permit Part II.B.c)

City developed a Stormwater Program Website that can be found at:

<http://www.cityofnampa.us/stormwater/>

- City posted educational materials on the Stormwater Program Website:
 - Stormwater Fact Sheet explaining the Stormwater Program
 - Stormwater Utility Fact Sheet explaining program funding
 - Contact information for questions, concerns and input

Results of Data Collected

N/A

Summary of Inspections and Enforcement

N/A

Summary of Upcoming Activities

- Continue meeting with the Nampa Stormwater Advisory Group
 - Next scheduled Stormwater Advisory Group workshop is January 20, 2011
 - Additional workshops will be scheduled as appropriate
- Launch a city wide public education campaign
 - Scheduled to launch in mid 2011
- Meet with Top 100 Impervious Surface Owners
 - Educate and inform property owners with large amounts of impervious surface on upcoming Stormwater Utility Fee and how funding will assist City in meeting permit requirements
 - Meetings scheduled to start late January 2011 and continue through March 2011
- Public Meeting to inform the general public on Nampa's Stormwater Management Program and the upcoming utility fee
 - Public Meeting tentatively scheduled for April 2011
- Tailoring Outreach programs to minority and underserved community members
 - Will implement this program upon award of EPA's Urban Waters Indian Creek Initiative grant

Stormwater Division staff will be assisted by contracted consultants to develop and distribute stormwater and water quality educational materials to target audiences.

Proposed changes to the SWMP

N/A

Permit Obligation Met by Other Entities

The City of Nampa Stormwater Division under the direction of the Department of Public Works is responsible for the implementation of the requirements set forth in the Public Education and Outreach minimum measure. Stormwater Division staff will work with the assistance of contracted consultants to develop and distribute stormwater and water quality educational materials to target audiences. As encouraged by EPA, the City of Nampa is working cooperatively with other MS4 operators in the Nampa Urbanized Area to coordinate efforts to provide a consistent stormwater message to the public. To date, there are no formal permit requirements being met by other entities. Areas where the City is relying upon other entities to meet specific permit requirements will be summarized in next year's annual report.

2.3 Public Involvement/Participation (Permit Part II.B.2)

General Summary

The City has progressed significantly in meeting the permit public involvement and participation requirements. Most significantly, the City created the Nampa Stormwater Advisory Group with the goal of educating a group of citizens on stormwater management and gathering valuable input on the formation of Nampa's Stormwater Management Plan (SWMP). In addition, Nampa has spearheaded the formation of the Canyon County MS4 Stakeholder Group to facilitate consistent local stormwater management practices. Currently a Stormwater Division website has been created and contains informative materials on Nampa's Stormwater Program.

Evaluation of Compliance

Post all SWMP documentation and Annual Reports on the permittee's website (Permit Part II.B.2.b)

To be done upon report completion.

Engage interested parties in the development of the SWMP (Permit Part II.B.2.c)

- City formed the Nampa Stormwater Advisory Group and associated subcommittees
 - Six (6) main committee, three (3) Funding subcommittee and one (1) Public Education subcommittee meetings held
 - Input regarding Nampa's Stormwater Program was given consideration for incorporation into Nampa's SWMP
- Formation of the Canyon County MS4 Stakeholder Group
 - Four (4) Stakeholder Group meeting were held in year one
 - Consistent local stormwater management practices were considered for Nampa's SWMP

Conduct at least one meeting with the City Council and public regarding SWMP Implementation (Permit Part II.B.2.d)

- Four (4) Special City Council Workshops have been conducted in conjunction with Nampa's MS4 permitting process:
 - August 25, 2008: Inform City Council on upcoming stormwater requirements
 - October 7, 2009: MS4 Permit effective date and formation of Stormwater Division to oversee permit requirements
 - August 25, 2010: Stormwater Program Update
 - October 5, 2010: Stormwater Program Funding Update
- Four (4) Main Advisory Group and three(3) subcommittee workshops have been conducted:
 - Workshop #1 May 4, 2010: Introduction to Stormwater and Discussion of Funding Alternatives: Kick-Off by Mayor Dale
 - Workshop#2 June 7, 2010: Discussion of Minimum Measures #1 - #3 and Update of Budget and Funding Mechanisms
 - Funding Subcommittee #1 June 17, 2010: Discuss Utility Concept, Rate Structure Options, Rate Credit Options, and Preliminary Cost Information
 - Funding Subcommittee #2 July 8, 2010: Panel Discussion with City of Nampa Stormwater Project Team
 - Workshop #3 July 13, 2010: Discussion of Minimum Measures #4 and #5 and Present Funding Subcommittee Recommendations
 - Funding Subcommittee #3 August 9, 2010: Review of Committee Recommendations and Lewiston Utility Case
 - Workshop #4 August 12, 2010: Discussion of Minimum Measure #6, Program Costs and Funding and Review Public Outreach Strategy
 - Workshop #5: Scheduled for December 7, 2010: Storm water Program and Utility Update
 - Workshop #6: Tentatively Scheduled for January 20, 2011: Present Utility Rate, Rate Credit Policy Structure and Top 100 Impervious Surface Owners Meetings
 - Three (3) Stormwater Funding Issues papers were developed and distributed to the Advisory Group members prior to workshops.
 - Issue Paper #1: Stormwater Program Funding Options
 - Issue Paper #2: Stormwater Rate Structures
 - Issue Paper #3: Stormwater Rate Credits

See Appendix G for copies of Stormwater Advisory Group agendas, meeting summaries and issue papers.

Organize and promote Community Clean Up Day (Permit Part II.B.2.e)

- Stormwater staff is currently in the process of organizing and promoting a Nampa Sponsored Community Clean Up Day

Results of Data Collected

The City of Nampa Stormwater staff satisfactorily addressed thirty five (35) reported stormwater complaints from October 15, 2009 through October 14, 2010. It is anticipated that the number of reported stormwater related complaints will increase after the launch of Nampa's Stormwater Public Education Program.

Summary of Inspections and Enforcement

The City of Nampa Stormwater staff performed at least thirty five (35) site inspections in conjunction with reported stormwater related complaints. Numerous follow-up visits were performed to ensure compliance with Nampa's stormwater policies. No formal enforcement actions resulted from these site inspections. Educational materials were provided relevant to the stormwater complaint.

Summary of Upcoming Activities

- Post all SWMP Information on the Stormwater Website
 - Post SWMP, Annual Report and other related information: Documents and corresponding updates will be posted upon submittal to EPA and IDEQ
 - Post public involvement opportunities such as public meetings and hearings: Public involvement events will be posted as they are scheduled
- Engage Interested Parties in the Development of the SWMP
 - The next Stormwater Advisory Group Workshops are scheduled for December 7, 2010 (completed) and January 20, 2011 with additional scheduled on a regular basis
 - Next Public Meeting tentatively scheduled for April 7, 2011
 - Canyon County MS4 Stakeholder Group meeting proposed to be scheduled quarterly beginning in January of 2011
- Conduct Meetings with City Council
 - A Special City Council Workshop will be scheduled in the April/May 2011 timeframe to facilitate the adoption of a Stormwater Utility Rate
 - Additional meetings will be scheduled as needed to keep City Council informed on the Stormwater program status
- Organize and promote Community Clean Up Day
 - Currently the Community Clean Up Day is in the process of being organized and planned
 - Tentative schedule for the Community Clean Up day event is in early to late spring to facilitate appropriate weather

Proposed changes to the SWMP

A review and update process will be performed on the Public Involvement and Participation BMPs prior to submitting the next Annual Report. Significant changes that involve replacing or deleting an ineffective or unfeasible BMP may require permit modifications as outlined in Part II.D of the permit.

Permit Obligation Met by Other Entities

The City of Nampa Stormwater Division under the direction of the Department of Public Works is responsible for the implementation of the requirements set forth in the Public Involvement and Participation minimum control measure. Stormwater Division staff will work with the assistance of contracted consultants to meet the requirements set forth in this minimum control measure. As encouraged by EPA, the City of Nampa is working cooperatively with other MS4 operators to coordinate efforts to engage citizens in the discussion of effective stormwater management in the Nampa Urbanized Area. To date, there are no formal permit requirements being met by other entities. Areas where the City is relying upon other entities to meet specific permit requirements will be summarized in next year's annual report.

2.4 Illicit Discharge Detection and Elimination (Permit Part II.B.3)

General Summary

The City is in the process of completing the comprehensive storm sewer system map of the stormwater drainage system. The City currently prohibits illicit discharges in Title 8, Chapter 4 (Storm Drainage System) of Nampa City Code. Existing programs within the City address some of the problems associated with illegal dumping. Nampa's Stormwater staff provides educational materials relevant to recycling and proper disposal methods to the parties responsible for illicit discharge.

Evaluation of Compliance

Illicit discharge detection and elimination (IDDE) is an important part of the overall SWMP and is a requirement of the MS4 permit. This minimum control measure requires the MS4 operator to detect and eliminate illicit discharge from their MS4 system. The City is in the process of completing the comprehensive storm sewer system map of the stormwater drainage system. This includes all the City owned and operated storm sewers, catch basins, seepage beds and other conveyances, outfalls (including diameter, and latitude and longitude), connection points with other systems, and all City maintenance and storage facilities. The map is in the process of being completed however a working version is provided in digital format in Appendix G.

The City currently prohibits illicit discharges in Title 8, Chapter 4 (Storm Drainage System) of Nampa City Code. Section 8-4-7: Discharge Prohibitions states:

"No person shall discharge or cause to be discharged into the municipal storm drain system or watercourses any materials, including, but not limited to, pollutants or waters containing any pollutants that cause or contribute to a violation of applicable water quality standards."

Sections 8-4-14: Enforcement and 8-4-21: Penalties include the enforcement procedures and penalties associated with illicit discharge violations.

Existing programs within the City address many of the problems associated with illegal dumping. Stormwater staff will work with each department/division to consolidate these efforts and add the additional requirements set forth by Nampa's MS4 permit.

Informing and education the public about the hazards associated with illegal discharges is another component of Nampa's IDDE program. Nampa's Stormwater staff provides educational materials relevant to recycling and proper disposal methods to the parties responsible for illicit discharge.

See Appendix G for copies for all referenced City ordinances.

Develop, implement and enforce a program to detect and eliminate discharges into the MS4 (Permit Part II.B.3.a)

This activity will be implemented in Permit Year 3.

Adopt an ordinance or other control measure to prohibit illicit discharge to the MS4 (Permit Part II.B.3.b&c)

The City currently prohibits illicit discharges in Title 8, Chapter 4 (Storm Drainage System) of Nampa City Code. Section 8-4-7: Discharge Prohibitions states: "No person shall discharge or cause to be discharged into the municipal storm drain system or watercourses any materials, including, but not limited to, pollutants or waters containing any pollutants that cause or contribute to a violation of applicable water quality standards." Sections 8-4-14: Enforcement and 8-4-21: Penalties include the enforcement procedures and penalties associated with illicit discharge violations. A thorough review and update of this ordinance will be conducted by City staff to ensure proper application to meet permit requirements. Ordinance review and updates to ensure permit compliance will be completed three (3) years from permit effective date.

Develop/update a comprehensive storm sewer system map (Permit Part II.B.3.d)

The City is in the process of completing the comprehensive storm sewer system map of the stormwater drainage system. This includes all the City owned and operated storm sewers, catch basins, seepage beds and other conveyances, outfalls (including diameter, and latitude and longitude), connection points with other systems, and all City maintenance and storage facilities. The map is in the process of being completed and will be completed three (3) years from permit effective date. A working version is provided in digital format in Appendix G.

An extensive inventory of outfalls located on Indian Creek, Mason Creek, Wilson Drain and associated tributaries has revealed a significant number of discharge points along these receiving waters. All discharge points were cataloged using a hand held GPS unit, photographed with a digital camera, measured and evaluated for a number of conditions. As of January 12, 2010 a total of 1,420 outfalls have been inventoried. The process of field verifying the type of discharge from the outfalls determined to be unknown will commence spring of 2011. The outfall inventory program is currently in process and will be completed three (3) years from permit effective date. A map of the current outfall inventory is provided in Appendix G.

Inform public employees, businesses and the general public of hazards associated with illegal discharges and improper disposal of waste (Permit Part II.B.3.e)

Currently some informal distribution of educational materials regarding illegal discharges and improper disposal of wastes has resulted from complaints. Information regarding recycling and the proper disposal of household wastes are distributed during site investigations of illicit discharge complaints. An expanded program to ensure compliance with this activity will be implemented in Permit Year 3.

Begin dry weather screening of outfalls: 20% of outfalls screened for dry weather flows (Permit Part II.B.3.f)

This activity will be implemented in Permit Year 3.

Inventory the industrial facilities discharging storm water to the MS4 (Permit Part II.B.3.g)

All industrial facilities that discharge directly to the City's MS4 within the permit area will be inventoried in year 3 of the permit and this information will be part of the third Annual Report submitted to EPA.

Results of Data Collected

City Stormwater staff has satisfactorily addressed thirty five (35) stormwater complaints from October 15, 2009 through October 14, 2010.

An extensive inventory of outfalls located on Indian Creek, Mason Creek, Wilson Drain and associated tributaries has revealed a significant number of discharge points along these receiving waters. As of January 12, 2010 a total of 1,420 outfalls have been inventoried.

Summary of Inspections and Enforcement

During year 1 of Nampa's MS4 permit thirty five (35) site inspections were performed as a result of an illicit discharge complaint. No formal enforcement actions were performed. Educational materials were handed out relevant to the nature of the discharge.

Summary of Upcoming Activities

Illicit discharge detection and elimination compliance dates generally fall 3 years from the permit effective date. Program components already initiated include completing the comprehensive storm system map and adopting an ordinance prohibiting illicit discharges. Additional program components will be implemented by Stormwater staff prior to the required compliance dates.

Proposed Changes to the SWMP

A review and update process will be performed on the Illicit Discharge Detection and Elimination BMPs prior to submitting the next Annual Report. Significant changes that involve replacing or deleting an ineffective or unfeasible BMP may require permit modifications as outlined in Part II.D of the permit.

Permit Obligation Met by Other Entities

The City of Nampa Stormwater Division under the direction of the Department of Public Works is responsible for the implementation of the requirements set forth in the Illicit Discharge Detection and Elimination minimum control measure. Stormwater Division staff will work with the assistance of contracted consultants to meet the requirements set forth in this minimum control measure. As encouraged by EPA, the City of Nampa is working cooperatively with other MS4 operators to coordinate efforts to provide consistent and effective Stormwater management in the Nampa Urbanized Area. To date, there are no formal permit requirements being met by other entities. Areas where the City is relying upon other entities to meet specific permit requirements will be summarized in next year's annual report.

2.5 Construction Site Stormwater Runoff Control (Permit Part II.B.4)

General Summary

Construction Site Stormwater Runoff Control compliance dates generally fall three (3) years from the permit effective date. Most of the program components have already been developed and implemented at program start up in 2005. The Stormwater Division will conduct a thorough review of the existing ESC program and update current procedures to meet MS4 permit requirements. Additional program components that will be developed and implemented include receiving input from the public on Erosion and Sediment Control (ESC) site plan review, prioritizing smaller construction sites for inspection and inspecting larger construction site at least once per construction season. The Stormwater Division will strive to receive input from the general public as well as surrounding municipalities in updating the current ESC program to be consistent with ESC requirements throughout the Treasure Valley.

Evaluation of Compliance

The following measures have been implemented in Nampa's Construction Site Stormwater Runoff Control Program:

- Implement and enforce a construction site runoff control program
 - Erosion and Sediment Control Program implemented August 2005
- Provide adequate direction to project proponents regarding the EPA Construction General Permit
 - Materials provided at conceptual plan review meetings, pre-bid meetings and pre-construction meetings. Implemented on a continuous basis
- Adopt an ordinance to require construction site operators to practice erosion, sediment and waste control
 - Erosion and Sediment Control/Grading ordinance was adopted by City Council March 7, 2005. See Appendix G for a copy of the ESC ordinance
- Publish and distribute written requirements for construction site best management practices
 - Materials associated with written requirements for construction site BMPs are distributed in a variety of ways to various target audiences. Implemented on a continuous basis
- Review/update as necessary, procedures for reviewing site plans
 - 223 plans were reviewed for Erosion and Sediments Control requirements
- Implement site inspection and enforcement procedures
 - 167 site inspections were performed
 - 23 enforcement actions were performed
- Ensure all permittee-owned construction projects comply with EPA's Construction General Permit (CGP)
 - Twenty three (23) City projects were completed
 - Four (4) projects one acre or greater in size (utilizing CGP and Nampa ESC requirements)
 - Nineteen (19) projects less than one acre in size (utilizing Nampa ESC requirements)

Additional program components that will be developed and implemented include receiving input from the public on Erosion and Sediment Control (ESC) site plan review, prioritizing smaller construction sites for inspection and inspecting larger construction site at least once per construction season. The Stormwater Division will strive to receive input from the general public as well as surrounding municipalities in updating the current ESC program to be consistent with ESC requirements throughout the Treasure Valley.

Implement and enforce a construction site runoff control program for sites disturbing one or more acres of land: review and update the program as necessary (Permit Part II.B.4.a)

The City has had an erosion and sediment control program in place since 2005. Key components of this program include the following activities:

- Implement and enforce a construction site runoff control program
- Provide adequate direction to project proponents regarding the EPA Construction General Permit
- Adopt an ordinance to require construction site operators to practice erosion, sediment and waste control
- Publish and distribute written requirements for construction site best management practices
- Review/update as necessary, procedures for reviewing site plans and accepting public input
- Implement site inspection and enforcement procedures
- Ensure all permittee-owned construction projects comply with EPA's Construction General Permit (CGP)

Consistency in the local ESC requirements in Canyon and Ada Counties is a goal in the review and update process. Evaluation of this minimum measure will be performed as part of each Annual Report and changes will be made as applicable.

Provide adequate direction to project proponents regarding the EPA Construction General Permit (Permit Part II.B.4.b)

Nampa's Erosion and Sediment Control Program distributes information regarding EPA's CGP in various methods. Information regarding Stormwater Pollution Prevention Plan (SWPPP) requirements is presented in the following ways: conceptual plan review meetings, pre-bid meetings, and pre-construction meetings, handed out with approved ESC permits, made available as a flyer for reference, and posted on City of Nampa website.

Adopt an ordinance or other control measure to require construction site operators to practice erosion, sediment and waste control (Permit Part II.B.4.c)

Title 9 Chapter 6: Erosion and Sediment Control/Grading of City Code was adopted by City Council March 7, 2005. This ordinance allows the City to regulate and control the design, construction, use, and maintenance of any development or other activity which disturbs or breaks the topsoil or results in the movement of earth on land in the city of Nampa. See Appendix G for a copy of the ESC ordinance.

Publish and distribute written requirements for construction site best management practices (Permit Part II.B.4.d)

Materials associated with written requirements for construction site BMPs are distributed in a variety of ways to various target audiences. Generally the materials cover the requirements for large and small projects within Nampa city limits. Commercial contractors, homebuilders, homeowners and municipal employees are the target audiences to receive these written requirements for proper BMPs at construction projects. All written requirements for construction site BMPs will be posted on the City's Stormwater website.

Develop, or review/update as necessary, procedures for reviewing site plans and accepting public input (Permit Part II.B.4.e&f)

Currently all pre-construction site plans for construction projects within the Nampa city limits disturbing more than 2 cubic yards of soil are reviewed for proper stormwater management practices. Any deficiencies in the Specific Construction Site Discharge Plans (SCSD) are corrected before an approved ESC permit may be issued. Procedures for reviewing all pre-construction site plans for potential water quality impacts will be reviewed and updated to ensure compliance with the MS4 permit. Stormwater Division staff will add the provisions to the review procedure for receipt and consideration of information submitted by the public on the review process.

Implement site inspection and enforcement procedures. Inspect all construction sites >5 acres at least once per construction season. Develop a written policy identifying how construction sites disturbing <5 acres will be prioritized for inspection (Permit Part II.B.4.g)

Implement site inspection and enforcement procedures. ESC staff conducts site inspections as scheduled and on an as warranted basis. Unscheduled informal site inspections are logged in the inspector's daily field notes while scheduled formal inspections are documented on an official site inspection form. Complaints from the public or evidence of a deviation from approved BMPs will result in a site inspection to investigate possible noncompliance. Enforcement actions as a result of site inspection include a verbal warning, written Notice of Violation (NOV), Stop Work Order, and possible fines. The Stormwater Division will review and update ESC site inspection and enforcement procedures to ensure permit compliance. Number and results of the inspections are presented later in this section.

Inspect all construction sites five (5) acres or more at least once per construction season. Currently, ESC staff strives to inspect large construction projects before, during and after the construction project. This assists with plan review, ESC permit compliance and final stabilization requirements. These inspections tend to be informal with inspection results documented in field notes. To ensure MS4 permit compliance, this procedure will transition to include scheduled annual formal inspections documenting inspection site visits on official inspection forms. Number and results of the inspections are presented later in this section.

Develop a written policy identifying how construction sites disturbing less than five (5) acres will be prioritized for inspection. Construction projects on or adjacent to environmentally sensitive areas have historically warranted additional site visits to monitor the area for potential pollutants. This working knowledge of Nampa's environmentally sensitive areas will provide the basis to prioritize construction projects disturbing less than five (5) acres for site inspections. Additional factors to be considered for prioritization could include soil type, grade, and location of drainage conveyance in the vicinity of the project and trends of illicit discharge in the area.

Ensure all permittee-owned construction projects comply with EPA's Construction General Permit (Permit Part II.B.4.h)

All public construction projects within the City of Nampa are required to comply with the CGP and all relevant ESC requirements established in Nampa City Code. This includes all contractors working on behalf of the City. Specific language relating to applicable erosion and sediment control, pollution prevention and onsite materials control has been incorporated into all contract documents ensuring appropriate stormwater management on all public construction projects. Contract document language regarding CGP and ESC requirements are provided in Appendix G.

Results of Data Collected

The City conducted the following activities associated with erosion and sediment control during the reporting period:

- 223 site plan reviews
- 167 site inspections performed
- 23 enforcement actions performed

Summary of Inspections and Enforcement

Nampa's Erosion and Sediment Control staff with some assistance from the Building Department performed the following inspections to ensure compliance with requirements of the Construction Site Stormwater Runoff Control minimum measure:

- Performed forty one (41) site inspections of commercial projects
 - Three (3) formal inspections
 - Thirty eight (38) informal inspections
- Performed fourteen (14) site inspections for right-of-way projects
- Performed one hundred twelve (112) site inspections of residential projects

Erosion and Sediment Control staff issued twenty three (23) NOVs to contractors lacking adequate erosion and sediment control BMPs. No fines were levied in conjunction to any of these enforcement actions. Educational materials were provided to recipients of the NOVs and additional assistance was provided if requested.

Summary of Upcoming Activities

Construction Site Stormwater Runoff Control compliance dates generally fall three (3) years from the permit effective date. Most of the program components have already been developed and implemented at program start up in 2005. The Stormwater Division will conduct a thorough review of the existing ESC program and update current procedures to meet MS4 permit requirements. Additional program components that will be developed and implemented include receiving input from the public on Erosion and Sediment Control (ESC) site plan review, prioritizing smaller construction sites for inspection and inspecting larger construction site at least once per construction season. The Stormwater Division will strive to receive input from the general public as well as surrounding municipalities in updating the current ESC program to be consistent with ESC requirements throughout the Treasure Valley.

Proposed Changes to the SWMP

A review and update process will be performed on the Construction Site Stormwater Runoff Control BMPs prior to submitting the next Annual Report. Significant changes that involve replacing or deleting an ineffective or unfeasible BMP may require permit modifications as outlined in Part II.D of the permit.

Permit Obligation Met by Other Entities

The City of Nampa Stormwater Division under the direction of the Department of Public Works is responsible for the implementation of the requirements set forth in the Construction Site Stormwater Runoff minimum control measure. Stormwater Division staff will seek to gather and consider input provided from the public and surrounding municipalities when reviewing and updating the existing Erosion and Sediment Control Program. Consistency in the local ESC requirements in Canyon and Ada Counties is a goal in the review and update process. Evaluation of this minimum measure will be performed as part of each Annual Report and changes will be made as applicable. As encouraged by

EPA, the City of Nampa is working cooperatively with other MS4 operators to coordinate efforts to provide consistent and effective Stormwater management in the Nampa Urbanized Area. To date, there are no formal permit requirements being met by other entities. Areas where the City is relying upon other entities to meet specific permit requirements will be summarized in next year's annual report.

2.6 Post Construction Stormwater Management in New Development and Redevelopment (Permit Part II.B.5)

General Summary

The City has an active post-construction program that will require review and revision to meet permit requirements. Currently, the City conducts plan reviews and post-construction inspection by City staff based on existing City post-construction requirements. The City already has a post-construction ordinance. Nampa's post-construction stormwater management requirements are contained in the Nampa Subdivision Ordinance (NCC 10-27) which addresses on-site retention through structural storage practices for residential developments. The following sections provide details of work completed to date. See Appendix G for a copy of the Nampa Subdivision Ordinance.

Evaluation of Compliance

Develop and implement a program to address post-construction stormwater runoff from new development and redevelopment projects (Permit Part II.B.5.a).

Various departments/divisions within the City of Nampa have implemented policies and procedures to address stormwater runoff in new and redevelopment projects. These existing policies and procedures will form the basis for the development of a program to address stormwater runoff from new and redevelopment projects. The following are activities currently being implemented:

- Plan review for new development and redevelopment projects take place in several phases:
 - Comprehensive Plan Review on potential projects to facilitate what requirements the project proponent needs to comply with for a successful project. Members from various departments/division attend these meetings.
 - Plan review by the Engineering Division ensures that the proposed plan meets all design standards.
 - Plan review by the Stormwater Division to ensure proper stormwater runoff BMPs are selected during the construction phase of the project.
- All new development is required to retain Stormwater runoff on-site, treat the runoff with approved BMPs and then discharge it to an infiltration basin or bio-retention facility.
- After construction each commercial facility is inspected by City staff to ensure proper installation of the permanent BMPs.
- Commercial developments are to maintain all BMPs on site
- Residential development reflect a combination of maintenance activities: Homeowner's Associations perform light maintenance such as mowing grass and the City performs the heavy maintenance such as repairing BMPs.

Long range planning is a vital tool in the evaluation and implementation of nonstructural stormwater controls such as directing growth to identified areas; protecting sensitive areas; maintaining or increasing open spaces; providing buffers along water bodies; minimizing impervious surfaces; and policies to encourage infill development. The current City of Nampa Comprehensive Plan is in the process of being reviewed and updated. Comments from stakeholder and open house meetings held

in late 2009 and early 2010 revealed the public's desire for more open spaces and public parks. The Stormwater Division will attempt to incorporate the goals and objectives of the Comprehensive Plan into the Post-Construction Stormwater Management Program.

Adopt an ordinance to address post-construction runoff from new development and redevelopment projects (Permit Part II.B.5.b)

Nampa's post-construction stormwater management requirements are contained in the Nampa Subdivision Ordinance (NCC 10-27) which addresses on-site retention through structural storage practices for residential developments. See Appendix G for a copy of the Nampa Subdivision Ordinance. On-site detention is also required for new industrial and commercial developments. The City of Nampa Engineering Design and Construction Specifications Manual also describes these requirements. In 2005 the Subdivision Process and Policy Manual was developed which includes a Stormwater Policy Manual which addresses drainage and Stormwater management requirements. Copies of these policies have been provided in Appendix G of this Annual Report.

Ensure proper long term operation and maintenance of all post-construction stormwater BMPs (Permit Part II.B.5.c)

Proper maintenance of permanent Stormwater controls is vital to reducing pollutant loading to receiving waters. Currently, the Street Division provides maintenance on storm drains, catch basins and sand and grease traps. The type and number of BMPs maintained along with the amount of debris and volume of water removed are recorded and provided to the Stormwater Division. Street sweeping activities are also performed on a regular basis. A summary of these maintenance activities can be found in the Pollution Prevention and Good Housekeeping for Municipal Operations section on page 22.

To adequately meet permit requirements the City plans to expand the existing procedures to encompass all of the post-construction stormwater management controls. The Department of Public Works developed an Asset Management Plan to adequately evaluate, repair, maintain, and replace the infrastructure system within the City of Nampa. This plan divides the city into seven (7) zones and each zone will be addressed in phases. Inspection, evaluation, maintenance, repair and replacement of the stormwater infrastructure will commence under the Asset Management Plan. A map showing the zones of town and the corresponding schedule is provided in Appendix G of this Annual Report.

Develop and implement a site plan review process and site inspection program to ensure proper installation and long-term operation and maintenance of post-construction storm water management controls (II.B.5.d)

Various departments/divisions within the City of Nampa have implemented plan review policies and procedures to address stormwater runoff in new and redevelopment projects. Plan review for new development and redevelopment projects take place in several phases:

- Comprehensive Plan Review on potential projects to facilitate what requirements the project proponent needs to comply with for a successful project. Members from various departments/division attend these meetings.
- Plan review by Planning and Zoning to ensure that proposed projects are in compliance with approved Planning and Zoning codes and requirements.
- Plan review by the Engineering Division ensures that the proposed plan meets all design standards.

- Plan review by the Stormwater Division to ensure proper stormwater runoff BMPs are selected during the construction phase of the project.

Stormwater staff intends to expand upon and consolidate the existing plan review efforts to develop a site plan review process for new development and redevelopment projects.

Educate the development community on appropriate design, operation and maintenance of stormwater facilities and vegetative practices (Permit Part II.B.5.e)

Public education on post-construction requirements has started through the Nampa Stormwater Advisory Group. Detailed information regarding appropriate design, operation and maintenance of post-construction facilities will be included in future years of the Public Education Program.

Results of Data Collected

Thirteen (13) drainage projects for Street Division maintenance were proposed in year one of the permit. Five (5) projects were completed, six (6) remain in process and two (2) are in the evaluation process. Data regarding post-construction maintenance of stormwater BMPs is presented on page 22 of the Pollution Prevention and Good Housekeeping minimum measure.

Summary of Inspections and Enforcement

Inspections of the above thirteen (13) projects were performed during the initial and final stages of those projects. No enforcement actions resulted from these inspections.

Summary of Upcoming Activities

Post-Construction Stormwater Management compliance dates generally fall four (4) years from the permit effective date. Program components already initiated include ordinance and policies, plan review, preventative maintenance activities and initial inspection procedures. Additional program components will be implemented by Stormwater staff prior to the required compliance dates. The remaining activities in this minimum measure will be implemented in Permit Year 4.

Develop and implement a program to address post-construction storm water runoff from new development and redevelopment projects (Permit Part II.B.5.a)

Various departments/divisions within the City of Nampa have implemented policies and procedures to address stormwater runoff in new and redevelopment projects. These existing policies and procedures will form the basis for the development of a program to address stormwater runoff from new and redevelopment projects. The remaining activities in this minimum measure will be implemented in Permit Year 4.

Adopt an ordinance to address post-construction runoff from new development an redevelopment projects (Permit Part II.B.5.b)

Nampa's post-construction stormwater management requirements are contained in the Nampa Subdivision Ordinance (NCC 10-27) which addresses on-site retention through structural storage practices for residential developments. A thorough review and update of this ordinance will be implemented in Permit Year 4.

Ensure proper long term operation and maintenance of all post construction stormwater BMPs (Permit Part II.B.5.c)

Currently the Street Division provides maintenance on storm drains, catch basins and sand and grease traps. The type and number of BMPs maintained along with the amount of debris and volume of water removed are recorded and provided to the Stormwater Division. Street sweeping activities are also performed on a regular basis. To adequately meet permit requirements the City plans to expand the existing procedures to encompass all of the post-construction stormwater management controls. The Department of Public Works developed an Asset Management Plan to adequately evaluate, repair, maintain, and replace the infrastructure system within the City of Nampa. This plan divides the city into seven (7) zones and each zone will be addressed in phases. Inspection, evaluation, maintenance, repair and replacement of the stormwater infrastructure will commence under the Asset Management Plan. Additional required activities will be implemented no later than permit expiration date.

Develop and implement a site plan review process and site inspection program to ensure proper installation and long-term operation and maintenance of post-construction storm water management controls (Permit Part II.B.5.d)

Various departments/divisions within the City of Nampa have implemented plan review policies and procedures to address stormwater runoff in new and redevelopment projects. Stormwater staff intends to expand upon and consolidate the existing plan review efforts to develop a site plan review process for new development and redevelopment projects. The City will develop and implement an inspection program to ensure proper installation and appropriate long term operation and maintenance of post-construction stormwater controls. The Asset Management Plan described above will provide the framework for the post-construction inspection program. Additional required activities will be implemented no later than permit expiration date.

Educate development community on appropriate design, operation and maintenance of stormwater facilities and vegetation practices (Permit Part II.B.5.e)

Educational materials directed to the development community about appropriate design, operation and maintenance of stormwater retention facilities and vegetative practices to address post-construction stormwater runoff from new development and redevelopment will be incorporated in Nampa's Public Education and Outreach program. Appropriate materials could be distributed during the Comprehensive Plan Review process, distributed at the Engineering counter upon request and posted on Nampa's Stormwater website. Direct mailings and workshops could also provide suitable methods of educating the development community on post-construction requirements. These activities will be implemented in Permit Year 4.

Proposed Changes to the SWMP

A review and update process will be performed on the Post-Construction Stormwater Management in New Development and Redevelopment BMPs prior to submitting the next Annual Report. Significant changes that involve replacing or deleting an ineffective or unfeasible BMP may require permit modifications as outlined in Part II.D of the permit.

Permit Obligation Met by Other Entities

The City of Nampa Stormwater Division under the direction of the Department of Public Works is responsible for the implementation of the requirements set forth in the Post-Construction Stormwater Management in New Development and Redevelopment minimum control measure. Stormwater Division staff will work with the assistance of contracted consultants to meet the requirements set forth in this minimum control measure. As encouraged by EPA, the City of Nampa is working cooperatively with other MS4 operators to coordinate efforts to provide consistent and effective Stormwater management in the Nampa Urbanized Area. To date, there are no formal permit requirements being met by other entities. Areas where the City is relying upon other entities to meet specific permit requirements will be summarized in next year's annual report.

2.7 Pollution Prevention and Good Housekeeping for Municipal Operations (Permit Part II.B.6)

General Summary

The City has an active pollution prevention and good housekeeping program. The City has conducted street sweeping operations for many years and has a proactive pollution prevention program for other municipal operations such as vehicle maintenance and spill prevention. Detailed information on current activities is provided in the following sections.

Evaluation of Compliance

The City already implements several of the requirements associated with a municipal pollution prevention and good housekeeping program. The following information highlights City activities that serve as the initial components of the pollution prevention and good housekeeping program.

Thirteen (13) drainage projects for Street Division maintenance were proposed in year one of the permit. Five (5) projects were completed, six (6) remain in process and two (2) are in the evaluation process.

The following table represents a summary of the maintenance activities performed by the Street Division from October 2009 – October 2010.

Nampa Street Division Stormwater Maintenance Summary October 2009 – October 2010				
Date	Storm Drains	Catch Basins	Sand & Grease Traps	Gallons Debris/Water
October 2009	3	9	467	243,550
November 2009		9	263	92,900
December 2009	9	28	76	65,700
January 2010	13	83	50	195,500
February 2010	1	65	6	13,500
March 2010		1	14	15,450
April 2010	65	3	42	60,570
May 2010	1	3	98	61,000
June 2010	1	17	75	60,450
July 2010		95	135	97,250
August 2010	36	16	68	105,050
September 2010	6	5	7	36,100
October 2010		112	107	94,740
Totals	135	446	1,408	1,141,760

The following provides a summary of Street Division activities for FY10.

DRAINS, BASINS, S&G

Man Hours	3,024 Hours
OT	58 Hours
Liquids	1,205,231 Gallons
Solids	564 Yards

SWEEPING

Man Hours	3,920 Hours
-----------	-------------

ALLEYS / SHOULDERS

Man Hours	277 Hours
-----------	-----------

SNOW REMOVAL

Man Hours	280.5 Hours
OT	121 Hours
Mag-chlo	17,965 gallons
Salt 50lb Bag	1,200 Lbs
Sand	771 Yards

TRAINING

Man Hours	1,429 Hours
-----------	-------------

The following provides a summary of Street Division training activities for FY10.

STREET DIVISION TRAINING CONDUCTED IN FY10

Herbicide/Pesticide Applicator Training

ID MOSQUITO / VECTOR CONTROL	5 NOV 09
Matt Stanley	
Mike Fusselman	
SW ID FALL WEED CONTROL	18 NOV 09
Matt Stanley	
Mike Fusselman	
ANNUAL ECA CONVENTION	1-2 DEC 09
Matt Stanley	
Mike Fusselman	

EROSION CONTROL RP**16 MAR 10**

All Personnel

WINTER MAINTENANCE**9 FEB 10**

Les Gibbens

Todd Burns

Don Barr

Shawn Fournier

Jake Smith

Jeff Keeney

Mike Fusselman

Sam Clark

Scott Hensley

The following is a list of municipal employees attending the March 2010 Responsible Person Training for the Erosion and Sediment Control certification:

EROSION CONTROL RESPONSIBLE PERSON TRAINING

NAME	DIVISION
1. Monte Hasl	Airport
2. Don Jenkins	Engineering
3. Chris Johnston	Engineering
4. Joel Meusch	Engineering
5. Glen Petty	Engineering
6. Jon Poston	Engineering
7. Ryan Lancaster	Parks
8. George Lucas	Parks
9. Scott Bowman	Parks
10. Craig Bean	Parks
11. John Kingsbury	Parks
12. Don Barr	Street
13. Tom Hinkle	Street
14. Mark Hadley	Street
15. Scott Hensley	Street
16. Curt Hensley	Street

17. Jeff Keeney	Street
18. Todd Burns	Street
19. Doug Standley	Street
20. Les Gibbens	Street
21. Matt Stanley	Street
22. Shawn Fournier	Street
23. Jake Smith	Street
24. Sam Clark	Street
25. Mike Fusselman	Street
26. Doug Eakin	Street
27. Tammy Garcia	Street
28. New Hire	Street
29. Ira Rhoades	Water
30. Josh Hewitt	Water
31. Ron Sommars	Water
32. Mike Chesnut	Water
33. Victor Paez	Water
34. Manuael Rivas	Water
35. Albert Garcia	Water

Results of Data Collected

See previous section for formal data regarding the pollution prevention and good housekeeping program.

Summary of Inspections and Enforcement

No formal inspections were performed on any activity relevant to municipal operations. No enforcement actions were performed. Educational information and any requested assistance is provided to the appropriate department/division if applicable.

Summary of Upcoming Activities

Develop and implement an operation and maintenance program intended to prevent or reduce pollutant runoff from municipal operations (Permit Part II.B.6.a)

This program must address municipal activities occurring within the city limits with potential for negative stormwater related water quality impacts, including: the use of sand and road deicers; fleet maintenance and vehicle washing operations; street cleaning and maintenance; grounds/park and open space maintenance operations; building maintenance; solid waste transfer activities; wastewater treatment plant operations; storm sewer system maintenance; and snow disposal site operation and maintenance. These activities will be evaluated and altered if necessary to reduce the amount and type of pollution that: (1) collects on streets, parking lots, open spaces, storage and vehicle maintenance areas, that may be discharged into local waterways; and (2) results from actions such as environmentally damaging land development and flood management practices or

inadequate maintenance of storm sewer systems. The City will develop and implement an operations and maintenance program intended to prevent or reduce pollutant from municipal operations. This activity will be implemented in Permit Year 4.

Develop and conduct appropriate training for municipal personal (Permit Part II.B.6.b)

The City will develop and conduct appropriate training for municipal employees related to best management practices for protection of water quality. This training will be conducted at least once per year and address the municipal activities with the potential for negative water quality impacts. This activity will be implemented in Permit Year 4.

Prepare stormwater pollution prevention plans for the fleet maintenance/street department site and the wastewater treatment plant (Permit Part II.B.6.c)

Stormwater Pollution Prevention Plans (SWPPP) will be developed and implemented for Nampa's Vehicle Maintenance, Street and Wastewater Divisions. A thorough evaluation will be conducted at each of the divisions listed above and SWPPPs will be incorporated as required. A Spill Response Plan was developed and implemented for the Street Division in October of 2008. See Appendix G for a copy of this SWPPP. This plan will be reviewed and updated as necessary and will serve as a template for the Vehicle Maintenance and Wastewater Divisions. This activity will be implemented in Permit Year 4.

Proposed Changes to the SWMP

A review and update process will be performed on the Pollution Prevention and Good Housekeeping for Municipal Operations BMPs prior to submitting the next Annual Report. Significant changes that involve replacing or deleting an ineffective or unfeasible BMP may require permit modifications as outlined in Part II.D of the permit.

Permit Obligation Met by Other Entities

The City of Nampa Stormwater Division under the direction of the Department of Public Works is responsible for the implementation of the requirements set forth in the Pollution Prevention and Good Housekeeping for Municipal Operations minimum control measure. Stormwater Division staff will work with the assistance of other departments/divisions within the City to meet the requirements set forth in this minimum control measure. As encouraged by EPA, the City of Nampa is working cooperatively with other MS4 operators to coordinate efforts to provide consistent and effective Stormwater management in the Nampa Urbanized Area. To date, there are no formal permit requirements being met by other entities. Areas where the City is relying upon other entities to meet specific permit requirements will be summarized in next year's annual report.

Section 3

Discussion of Pollutants of Concern

II.B are targeted by the City to control the discharge of pollutants of concern. Specifically, the description must identify how the City will evaluate and measure the effectiveness of the SWMP to control the discharge of the pollutants of concern. As a reminder, the pollutants of concern are total phosphorus, sediment, and E. coli. Of note, sediment is a primary concern. Other pollutants such as total phosphorus and E. coli often attach themselves to sediment. As sediment is mobilized from areas within the MS4 to receiving waters so are other pollutants attached to the sediment. The following sections describe how the minimum measures will target the pollutants of concern and evaluate and measure effectiveness.

A key component of the City's strategy to address pollutants of concern is the development and implementation of an effective stormwater monitoring plan. The BMPs associated with the minimum measures will evolve based on the data resulting from these monitoring activities. See Appendix E for a copy of the Stormwater Monitoring Plan and Appendix F for the associated Quality Assurance Plan (QAP).

3.1 Minimum Measure #1: Public Education and Outreach

Activities targeted on pollutants of concern. The City's public education and outreach program is being developed and will be initiated in Year 2 of the permit. The program will focus on ways to address the pollutants of concern. Specifically, the program will raise awareness on activities and changes in behavior that can address specific pollutants of concern. The program will be developed around activities such as open houses, mail inserts, fact sheets, an informative website, and public service announcement. The activities will be focused on how every citizen can help reduce pollutants of concern by participating in such activities as:

- Reducing fertilizer application (total phosphorus)
- Reducing and/or eliminate home car washing (total phosphorus)
- Cleaning up pet waste (bacteria)
- During household remodels, following proper erosion and sediment control requirements (sediment)

In addition to activities focused on individual citizens, the City will attempt to develop program components to engage groups within the City. The City is already engaged with a group of citizens to educate them on the stormwater issues faced by the City. The Nampa Stormwater Advisory Group (Advisory Group) is a group of citizens representing a broad cross section of industry, public organizations, and private citizens. The Advisory Group has met 4 times over Year 1 of the permit to discuss each of the minimum measures and advise the City on how best to meet them in development of the SWMP. In addition, the City and the Advisory Group recognized the importance of public education and outreach to the success of the overall program and therefore have formed the Public Education and Outreach Subcommittee to provide feedback on effective ways to educate and reach out to the citizens of Nampa to address specific stormwater program issues.

The City is also currently investigating partnerships with the various educators in the urbanized area to initiate stormwater/water quality education programs focused on younger demographics and how they can help reduce pollutants of concern into the future. The goal will be to engage a key component of the MS4 (educational institutions) in becoming an important part of the overall program (education and outreach).

Finally, the City will also focus on educating and reaching out to the underserved communities within the urbanized area. The City has recently been offered the opportunity to be part of a national pilot project targeting the nation's urban waters, engaging underserved communities and the formation of partnerships. The EPA Urban waters Indian Creek Initiative Grant will allow the City to expand stormwater public education and outreach efforts to the Hispanic community members.

Measuring effectiveness. The City will set specific metrics for the public education and outreach program to measure program effectiveness. Metrics will be developed in Year 2 and focus specifically on measuring progress in meeting the requirements highlighted in Part II.B.1. For example, to meet requirements of Part II.B.1.b (Distribute stormwater educational materials to target audiences), the City will develop several fact sheets in the coming year focused on stormwater pollutants of concern. Metrics associated with measuring the effectiveness of these fact sheets include setting goals for the number of fact sheets to be developed as well as the number distributed. Initial fact sheets have been developed to inform the general public on Nampa's Stormwater Program and will be mailed to every property owner within the city limits. Additional fact sheet will be developed as needed and distributed to target audiences.

3.2 Minimum Measure #2: Public Involvement/Participation

Activities targeted on pollutants of concern. The City's public involvement/participation program is being developed and will be initiated in Year 2 of the permit. The program will be focused on ways to address pollutants of concern in specific ways. For example, the City will sponsor community clean-up days and actively participate in the Boise River Sweep along Indian Creek, Wilson Creek, and Mason Creek. Through these activities, the City will raise awareness on water quality issues including those surrounding total phosphorus, sediment, and E. coli. The City has already participated in this activity in the past and has some success in developing support for the program within the community. The City will continue to interact with the existing Nampa Stormwater Advisory Group (Advisory Group) to maintain communication on emerging issues and solicit feedback on how best to involve and engage the public on managing pollutants of concern. The City will also continue development of the existing erosion and sediment control program to ensure education of contractors on controlling sediment and other pollutants potentially leaving construction sites and entering waters of the United States.

Measuring effectiveness. The City will set specific metrics for the public involvement/participation program to measure program effectiveness. Metrics will be developed in Year 2 and focus specifically on measuring progress in meeting the requirements highlighted in Part II.B.2. For example, the City will set a goal to meet with the City council at least once per year to update them on the stormwater program and how the City is managing the pollutants of concern (requirements associated with Part II.B.2.d). In addition, the City will set public involvement goals through continued Advisory Group meetings to specifically discuss details of managing pollutants of concern.

3.3 Minimum Measure #3: Illicit Discharge Detection Elimination

Activities targeted on pollutants of concern. The City's illicit discharge, detection and elimination (IDDE) program is being developed and will be initiated in Year 3 of the permit. Given the priority to develop the first two minimum measures of the program in by Year 2, the IDDE program will be a secondary priority in Year 2. Activities occurring in Year 2 will help address pollutants of concern including completion of stormwater system mapping and identification of industrial dischargers within the urbanized area.

Measuring effectiveness. As with other program components, the City will develop specific metrics associated with IDDE program to measure effectiveness in addressing pollutants of concern. These will be developed as part of Year 3 program development.

3.4 Minimum Measure #4: Construction Site Stormwater Runoff Control

Activities targeted on pollutants of concern. While the City's permit does not require steps to meet minimum measure #4 until Year 3 of the permit, the City already maintains an extensive erosion and sediment control program. Because of this program, the City is making significant progress in educating contractors and, therefore, reducing sediment loading to waters of the United States. The City's erosion and sediment control program includes training requirements for contractors such as the requirement to have a certified 'Responsible Person' assigned to a project. Other items of the program include formal permitting of projects disturbing more than one acre of soil within the City limits, review and approval of project SWPPPs, and an enforcement program that includes on-site inspection and consequences for non-compliance. All of these activities have been and will continue to be focused on reducing sediment loading to receiving waters within the urbanized area.

Measuring effectiveness. The City has already developed and implemented specific goals for the existing erosion and sediment control program. The measurable goals or performance standards for the Construction Site Stormwater Runoff Control Program are numerous and are listed in the Stormwater Management Plan. City staff will strive to meet these measurable goals to ensure permit compliance. These metrics will be refined and updated for inclusion in the program by Year 3.

3.5 Minimum Measure #5: Post Construction Stormwater Management

Activities targeted on pollutants of concern. The City's post construction stormwater management program is being developed and will be initiated in Year 4 of the permit. Given the priority to develop the first two minimum measures of the program in by Year 2, the post construction stormwater program will be a secondary priority in Year 2. The City already maintains post construction design standards and requires formal City review and approval of all development occurring within the urbanized area. A formal review of this program and its effectiveness in managing pollutants of concern will occur in the Years 2 and 3 of the program.

Measuring effectiveness. As with other program components, the City will develop specific metrics associated with post construction stormwater management program to measure effectiveness in addressing pollutants of concern. These will be developed as part of Year 3 program development.

3.6 Minimum Measure #6: Pollution Prevention and Good Housekeeping for Municipal Operations

Activities targeted on pollutants of concern. The City's pollution prevention and good housekeeping program is being developed and will be initiated in Year 4 of the permit. Current best management practices implemented by municipal personnel target the pollutants of concern by removing them from the storm drainage. Given the priority to develop the first two minimum measures of the program in by Year 2, the pollution prevention and good housekeeping program will be a secondary priority in Year 2.

Measuring effectiveness. As with other program components, the City will develop specific metrics associated with pollution prevention and good housekeeping program to measure effectiveness in addressing pollutants of concern. These will be developed as part of Year 3 program development.

Section 4

Other Required Documents and Reports

Stormwater Management Plan: See Appendix D

Monitoring Plan: See Appendix E

Quality Assurance Plan: See Appendix F

Copies of Additional Stormwater Materials: See Appendix G

- Educational Materials
- Nampa Stormwater Workshop Materials
- Stormwater System Maps
- Ordinances
- Subdivision Process and Policy Manual
- Other Stormwater Documents

Appendix A: Stormwater Acronyms

List of Stormwater Acronyms:

BMP:	Best Management Practice
CFR:	Code of Federal Regulations
CGP:	Construction General Permit
CWA:	Clean Water Act
DMR:	Discharge Monitoring Report
ESC:	Erosion and Sediment Control
EPA:	Environmental Protection Agency
ESA:	Endangered Species Act
IDDE:	Illicit Discharge Detection and Elimination
IDEQ:	Idaho Department of Environmental Quality
ITD:	Idaho Department of Transportation
LBR:	Lower Boise River
MEP:	Maximum Extent Practicable
MS4:	Municipal Separate Storm Sewer System
NOV:	Notice of Violation
NPDES:	National Pollution Discharge Elimination System
SHPO:	State Historical Preservation Office
SCSD:	Specific Construction Site Discharge Plan
SWAG:	Stormwater Advisory Group
SWMP:	Storm Water Management Plan
SWPPP:	Storm Water Pollution Prevention Plan
TMDL:	Total Maximum Daily Load
QAP:	Quality Assurance Plan

Appendix B: Stormwater Glossary

Best Management Practices (BMPs): means schedules of activities, prohibitions of practices, maintenance procedures, and other management practices to prevent or reduce the pollution of water of the United States. BMPs also include treatment requirements, operating procedures, and practices to control runoff, spillage or leaks, sludge or waste disposal, or drainage from raw material storage.

Control Measure: refers to any Best Management Practice or other method used to prevent or reduce the discharge of pollutants to waters of the United States.

Illicit Connection: means any man-made conveyance connecting an illicit discharge directly to a municipal separate storm sewer.

Illicit Discharge: means any discharge to a municipal separate storm sewer that is not entirely composed of stormwater, except discharges authorized under an NPDES permit and discharges resulting from fire fighting activities.

Maximum Extent Practicable (MEP): means the technology-based discharge standard for municipal separate storm sewer systems to reduce pollutants in stormwater discharges that was established by the Clean Water Act.

Measurable Goal: means a quantitative measure of progress in implementing a component of a stormwater management program.

Municipal Separate Storm Sewer System (MS4): means a conveyance or system of conveyances (including roads with drainage systems, municipal streets, catch basins, curbs, gutters, ditches, man-made channels, or storm drains) owned or operated by the city.

Nampa Urbanized Area: means the greater Nampa, Idaho area delineated by the Year 2000 Census consisting of contiguous, densely settled census block groups that meet minimum population density requirements of at least 50,000 people.

Outfall: means a point source at the point where a municipal separate storm sewer discharges to water of the United States.

Point Source: means any discernible, confined, and discrete conveyance, including but not limited to, any pipe, ditch, channel, tunnel, conduit, well, discrete fissure, container, rolling stock, concentrated animal feeding operation, landfill leachate collection system, vessel or other floating craft from which pollutants are or may be discharged. This does not include return flows from irrigated agricultural storm water runoff.

Pollutant: Anything which causes or contributes to pollution. Pollutants may include, but are not limited to: paints, varnishes, and solvents; oil and other automotive fluids; nonhazardous liquid and solid wastes and yard wastes; refuse, rubbish, garbage, litter, or other discarded or abandoned objects, ordnances, and accumulations, so that same may cause or contribute to pollution; floatables; pesticides, herbicides, and fertilizers; hazardous substances and wastes; sewage, fecal coliform and pathogens; dissolved and particulate metals; animal wastes; wastes and residues that result from constructing a building or structure; and noxious or offensive matter of any kind.

Pollutant(s) of Concern: includes any pollutant identified as a cause of impairment of any water body that will receive a discharge from a MS4 authorized under EPA's Stormwater Permit. Pollutants of concern listed in Nampa's MS4 permit include sediment, bacteria and nutrients.

Post-construction stormwater management controls: means those controls designed to treat or control runoff on a permanent basis once construction is complete.

Stormwater: Any surface flow, runoff, and drainage consisting entirely of water from any form of natural precipitation, and resulting from such precipitation.

Stormwater Management Plan: refers to a comprehensive program to manage the quality of stormwater discharged from the municipal separate storm sewer system.

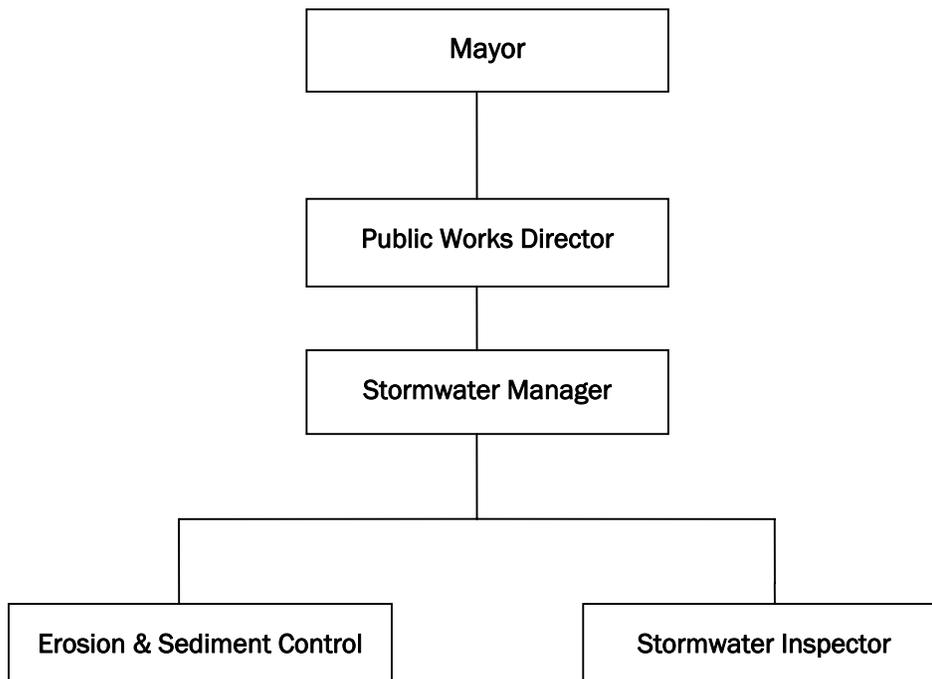
Total Maximum Daily Load (TMDL): an analysis of pollutant loading to a body of water detailing the sum of the individual waste load allocations for point sources and load allocations for non-point sources and natural background.

Wetlands: means those areas that are inundated or saturated by surface or groundwater at a frequency and duration sufficient to support, and that under normal circumstances do support, a prevalence of vegetation typically adapted for life in saturated soil conditions. Wetlands generally include swamps, marshes, bogs, and similar areas.

Appendix C: Stormwater Organizational Chart

Stormwater Division Organizational Chart

FY 2010-2011



Appendix A: Stormwater Acronyms

Appendix B: Stormwater Glossary

Appendix C: Stormwater Organizational Chart

Appendix D: Stormwater Management Plan

Appendix E: Stormwater Monitoring Plan

Appendix F: Quality Assurance Plan

Appendix G: Copies of Additional Materials

- Educational Materials
- Nampa Stormwater Workshop Materials
- Stormwater System Maps
- Ordinances
- Subdivision Process and Policy Manual
- Other Stormwater Documents

Educational Materials

Nampa Stormwater Workshop Materials

Stormwater System Maps

Ordinances

Subdivision Process and Policy Manual

Other Stormwater Documents