



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

# **The City of Nampa Annual Report**

**Permit Year Two of the Nampa MS4 Permit  
(FY2011)**

**October 15, 2010 – October 14, 2011**

Prepared by the City of Nampa Stormwater Division  
January 12, 2012

# Report of Certification

**Document:** City of Nampa 2010-2011 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

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Permit #IDS-028126  
January 12, 2012

Reporting Period  
October 15, 2010 to October 14, 2011

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

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# 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 second 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. .

# Executive Summary

Year two of the City of Nampa's MS4 Stormwater Permit ranged from October 15, 2010 through October 14, 2011. Per the permit, year two requirements were focused primarily on the first two minimum measures of public education/public outreach and public involvement/public participation. In addition, the City continued to develop programmatic approaches towards meeting the monitoring requirements identified in the permit's general requirements section. Finally, the City spent significant time and effort developing a funding mechanism for the stormwater program resulting in the formation of a Stormwater Utility. The following information highlights the stormwater program activities during the reporting year. Detailed discussion of the various stormwater program activities are provided throughout the annual report.

## Public Education and Outreach

- The "City of Nampa Stormwater Division Public Education, Outreach and Involvement Plan" was developed in August 2011. This document outlines the public education, outreach and involvement activities that will help the city fulfill its permit requirements.
- Public Education and Outreach efforts included Nampa's proactive application and acceptance into the Urban Waters Initiative an EPA National Pilot Project showcasing Indian Creek and the Hispanic community members in Nampa. Many Hispanic community members in Nampa are excited about this program that provides vital stormwater information in Spanish and the opportunity to become involved in local government issues.
- The second year of the MS4 Permit focused on Public Education and Outreach, Public Involvement and Public Participation, development and implementation of a funding mechanism to meet MS4 Permit requirements and evaluating commercial properties for eligible stormwater fee credits.
- A Nampa Stormwater webpage was finalized and placed on the City website to provide a tool for community members to learn about the Stormwater Program, access educational information and view program documents including the Annual Report.

## Public Involvement and Participation

- The "City of Nampa Stormwater Division Public Education, Outreach and Involvement Plan" was developed in August 2011. This document outlines the public education, outreach and involvement activities that will help the city fulfill its permit requirements.
- Public Involvement and Participation efforts included the first annual Community Clean Up day held September 24, 2011. This event provided an opportunity for community members to remove trash from the banks of Indian Creek and place storm drain markers on catchbasins discharging stormwater to Indian Creek. The word of this project spread and the Stormwater Division had Northwest Nazarene University students and Boy Scout Troops wanting to participate in these activities to earn community service hours and Eagle Scout projects.
- Special City Council Workshops were held to update the City Council on stormwater management program progress.
- A public open house was held to inform the public of new stormwater program requirements and to receive comments and input regarding these new requirements.

## Stormwater Funding

- After an extensive Stormwater Advisory Group process exploring funding options, a recommendation was made to develop and implement a stormwater and drainage utility to provide a fair and equitable way to fund the extensive MS4 Permit requirements. On the recommendation of the Advisory Group, City Council approved the formation of a Stormwater and Drainage Utility on October 4, 2010.
- The Stormwater Advisory Group also made the recommendation for City staff to evaluate commercial properties for eligible stormwater fee credits. Stormwater staff evaluated approximately 7,500 properties during year two of Nampa's MS4 permit. As a result of this process, the City proactively awarded some form of credit to approximately 4,000 properties.
- The City Stormwater Division assisted approximately 224 property owners with questions regarding the Stormwater Utility and stormwater billing. Approximately 950 adjustments were made to the Stormwater Utility bills as a result of Stormwater staff assistance.
- Additional Public Education and Outreach Efforts include meeting with the Top 100 property owners to provide information on the stormwater utility and review individual property evaluations and fees.

## Monitoring Program Development

- City staff reviewed and updated the Stormwater Monitoring Plan to better identify key steps in the monitoring process and refined the Quality Assurance Plan (QAP) to align with permit requirements.
- City staff conducted field verification activities on 1,420 City outfalls to confirm location and condition of outfalls. This information was used to develop the City's Stormwater Monitoring Plan that identified three outfalls for ongoing monitoring activities required by the permit during year three.

## 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, 2010 to October 31, 2011. 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, 2010 to October 14, 2011

### 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. In 2011 the City continued to meet with the Nampa Stormwater Advisory Group (NSAG) with the goal of educating a group of citizens on stormwater management. The NSAG represent a wide range of interests including commercial, industrial, and private citizens. Nampa also conducted an extensive public outreach campaign to initiate the utility and program. In 2011 Nampa continued to spearhead the Canyon County MS4 Stakeholder Group to facilitate consistent local stormwater management practices.

### Evaluation of Compliance

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

- City continued to meet with the Nampa Stormwater Advisory Group educating small groups of citizens on stormwater management issues and components of the SWMP
- City continued to meet with Canyon County MS4 Stakeholder Group to facilitate interaction of permittees and potential sharing of resources such as consistent educational materials
- City continued to use a consultant to assist in creation of public educational materials
- The City launched a citywide public education campaign. The campaign included a letter from the Mayor, fact sheets and a comment card, open house and public hearing.
- The City met with the Top 100 impervious surface owners to educate and inform the property owners with the largest impervious surfaces on the upcoming stormwater utility fee and how funding will assist the city in meeting permit requirements.
- The City held a public meeting on April 26 to inform the general public on Nampa's Stormwater Management Program and the upcoming utility fee.
- The City met with a Hispanic Communications Advisory Group to understand how to reach out to minority and the underserved community members. The City also developed the fact sheets in Spanish, prepared a Hispanic Directory and a demographic report. The City also presented Stormwater Program information at two Hispanic events.
- The City hosted Community Clean Up Day on Sept. 24, 2011.
- The City developed a Public Education and Outreach Plan for SWMP

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

- The City translated two of the Stormwater Program Facts Sheets geared toward the general public in Spanish.
- The City developed "Keeping pollution out of our storm drains, Nampa's Stormwater/Drainage Utility and Rate Credit fact sheets. The fact sheets were distributed in the city wide mailing and at the City's Stormwater Program open house.
- The City developed a "Stormwater Program Questions and Answers" document. The document is available on the program website and was distributed at the Stormwater Program open house.
- The city mailed a letter to every residential and non-residential property owners (24,064 letters) in Nampa to educate them about stormwater program and utility, inform them how they can help, and invited them to attend a Stormwater Program open house.
- The City distributed a postage paid postcard asking residents how much they would be willing to pay for the new utility, how often they wanted to be billed and other comments. The city received 4,051 responses.
- 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 Spanish fact sheets explaining the Stormwater Program
  - Stormwater Spanish Utility Fact Sheet explaining program funding
  - Information from the April 2011 public meeting
  - Frequently asked questions and answers
  - 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 to reach out to the underserved and minority community members. The City will implement the second phase of EPA's Urban Waters Indian Creek Initiative. Activities will include:
  - Working with Hispanic publications (Mirada Magazine and Buena Vista Marketing) to include information about stormwater. The information will be bilingual and either printed as an article or inserted into the publication mailing
  - Developing a paid Spanish-language radio advertisement on Univision Television Group Inc. and KEWI AM 1450 Radio Station
  - Attend Hispanic events such as Farmworker Appreciation Days and BiNational Health Week. These events will be an opportunity to educate community members about Stormwater pollution and answer questions.
    - The City's Stormwater utility manager will bring display boards and bi-lingual materials to the event.
    - The Stormwater Program will partner with a Spanish-speaking staff person to help the City successfully participate in the event.
    - The City will bring a sign-up sheet for people who would like to receive more information or participate in future activities

- Distribute appropriate Stormwater education materials to target audiences. Materials will include tip sheets that focus on specific ways to keep the community (and its water bodies) healthy, such as:
  - “Lawn and Garden” – how to use fertilizers and pesticides sparingly, pick up after pets and avoid over-watering
  - “Car Maintenance” – how to recycle motor oil, wash cars on the lawn or at a car wash and fix leaks
  - “Home Improvement Projects” – how to wash paint brushes inside, sweep dirt off driveways and cover loads
- Continue to update Stormwater information webpage with appropriate educational information. The website includes all communication materials, the Stormwater Management Plan, annual reports and documentation of advisory committee meetings. The City plans to add pages such as:
  - Additional fact sheets
  - “Report a Spill” feature
  - Bilingual materials
  - A watershed map
- Initiate a Stormwater/water quality education program focusing on K-12 students and how they can help reduce pollutants of concern
  - The City is working with the Nampa School District to develop a program for the 2012-2013 school year which could continue in future years
- Expand summer science camps to include Stormwater/water quality information.
  - The camps are sponsored by the City as part of the Keeping the Promise campaign
- Partnership with Deer Flat National Wildlife Refuge
  - Planned activities for the partnership include future Community Clean-Up Day projects, such as removing debris and invasive plants around Lake Lowell
- Hold a quarterly coordination meeting for all Stormwater permit holders in Canyon County to share information and identify areas where efforts can be combined
  - Attendees will include the cities of Nampa, Caldwell, Middleton, Nampa Highway District, Canyon Highway District and Nampa-Parma Highway District. Representatives from the Partners for Clean Water (including the City of Meridian, Idaho Transportation Department and ACHD) will also be invited to attend.
- Develop a series of fact sheets and display boards that explain why Stormwater is a problem and how Nampa residents can help.
  - Fact sheets will be used to meet public education permit requirements and other permit requirements such as developer education and illicit discharge detection and elimination
- Develop a watershed map in a “cartoon” format that is easy to understand.
  - The map will be integrated with science camps, educational fact sheets and the website
- Issue media releases prior to Stormwater events .
  - The City is also exploring a possible partnership with surrounding permit holders for television advertising

- Host the second annual Community Clean-Up Day. This event will continue to:
  - Educate the general public about Stormwater issues
  - Increase participation in Stormwater-related events
  - Remove trash and sediment from major water bodies in Nampa
- Continue to update the Nampa City Council about the status of the Stormwater management program.
  - Updates with the City Council will be held every year
- Continue to respond to citizens that call into the City's Stormwater phone line.
  - The phone line will continue to be used with various public education, outreach, and involvement activities
- Continue to update the City's mailing and email database of stakeholders who have participated in the Stormwater program
  - City staff will send news, updates and volunteer opportunities to this database throughout the program

### 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. The City continued to meet with the Nampa Stormwater Advisory Group (NSAG) with the goal of educating a group of citizens on stormwater management. The NSAG provided valuable input on the formation of Nampa's Stormwater Management Plan (SWMP). In addition, Nampa follows all applicable State and local public notice requirements for the SWMP. Nampa continued to spearhead the Canyon County MS4 Stakeholder Group to facilitate consistent local stormwater management practices. Currently a Stormwater Division website has been developed and is regularly updated. The website 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)*

- Website is developed and up-to-date with all Nampa Stormwater program materials.
- Binders
- To be done upon report completion.

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

- The City met with the Nampa Stormwater Advisory Group and associated subcommittees
  - Workshop #6, March 29, 2011: Included a final update about the stormwater program and utility, including the program budget, anticipated rate and rate credits. It also included an update about public outreach activities and the May 2 public hearing.
  - Workshop #7, July 20, 2011: The advisory group requested a follow-up meeting after the one-year public outreach effort. The committee met to discuss the outcomes of the public hearing, the formal rate study, the upcoming utility bills and the next steps for the program.
- Formation of the Canyon County MS4 Stakeholder Group
  - Two (2) Stakeholder Group meeting were held on December 29, 2010 and June 16, 2011.

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

- A citywide open house was held on April 27, 2011 about the stormwater program and utility. The open house was an opportunity for property owners to discuss the program in detail, give comments and ask questions. One hundred and twenty-nine people attended the open house.
- The Nampa City Council held a Public Hearing to set the stormwater utility rate on May 2, 2011. Six people testified at the public hearing.
- Property owners have been providing feedback to the City about the program and their utility bills. Feedback has been given by phone, e-mail and US mail. Approximately 987 phone calls from property owners calling with general questions and re-valuation of properties have been received and responded to by Stormwater staff.

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

- Stormwater staff hosted the first annual Community Clean Up day on Saturday, Sept. 24, 2011. The hours of the Clean Up Day were 9 a.m. to 12 noon. Volunteers marked storm drains and picked up litter along Indian Creek.
- Volunteers also had the opportunity to work with the US Fish and Wildlife to clean up Deer Flat Refuge near Lake Lowell and a part of National Public Lands 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
  - SWMP materials, Annual Report and other related information will be posted on the program's website
  - Documents and corresponding updates will also be posted upon submittal to EPA and IDEQ

- Public involvement opportunities such as events, presentations and meetings will be posted on the website
- Engage interested parties in the development of the SWMP
  - Canyon County MS4 Stakeholder Group meeting will be held in March 2012 and will continue to meet throughout 2012
  - The City will meet with the NSAG in 2012 to provide them with an update on program activities and the utility
- Conduct meetings with City Council
  - A Nampa City Council Workshop is scheduled in January 2012 to review the City's SWMP and utility. Additional meetings will be scheduled as needed to keep City Council informed on the Stormwater program status
- Organize and promote Community Clean Up Day
  - Nampa's 2012 Community Clean Up Day is tentatively scheduled to occur in September 2012

### **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 continuing 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 during Permit Year 1. 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 begin in year three (3). 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 28 stormwater complaints from October 15, 2010 through October 14, 2011.

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. During year one, a total of 1,420 outfalls were inventoried.

## Summary of Inspections and Enforcement

During year two of Nampa's MS4 permit 28 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 and field verifying 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.

To meet all of the permit requirements associated with the IDDE minimum measure, the City will pursue the following actions in year three:

### Stormwater collection system inventory and mapping

- Finalize a map of all of the stormwater collection assets within city limits
- Provide field verification and details of inventory such as pipe diameter

- Update the comprehensive storm system map on a regular basis to reflect changes to the system

#### Prohibition of non-stormwater discharges

- Review and update existing policies and ordinances to reflect permit requirements
- Create new ordinances or policies to ensure proper compliance with permit requirements

#### Discharge detection and elimination program

- Formalize approach to reporting and investigating illicit discharges
- Document number of reported spills
- Document illicit discharges detected and eliminated
- Document City employees attending training events
- Track trends in sources of illicit discharges

#### Public Education Associated with Illicit Discharges

- Document number of flyers, posters, press releases or other educational tools distributed
- Track number of illicit discharges and sources to monitor program effectiveness

#### Dry weather outfall screening

- Develop and implement dry weather screening plan
- Track number of outfalls monitored for dry weather flows
- Evaluate parameters measured for trends in illicit discharges
- Document number and location of outfalls discharging irrigation/agricultural flows

#### Inventory of industrial discharges

- Document number and location of industrial facilities discharging directly to the MS4

### **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
  - In year two, 187 plans were reviewed for Erosion and Sediments Control requirements
- Implement site inspection and enforcement procedures
  - In year two, 119 site inspections were performed
  - In year two, 3 enforcement actions were performed
- Ensure all permittee-owned construction projects comply with EPA's Construction General Permit (CGP)
  - In year two, 16 City projects were completed
  - In year two, 27 projects one acre or greater in size (utilizing CGP and Nampa ESC requirements)
  - In year two, 160 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:

- 187 site plan reviews
- 119 site inspections performed
- 3 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 six (6) site inspections of commercial projects
  - Zero (0) formal inspections
  - Six (6) informal inspections
- Performed thirty seven (37) site inspections for right-of-way projects
- Performed seventy six (76) site inspections of residential projects

Erosion and Sediment Control staff issued three (3) 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.

To meet all of the permit requirements associated with the construction site stormwater runoff control minimum measure, the City will pursue the following actions in year three:

### Provide adequate direction to project proponents regarding the EPA Construction General Permit

- Document number of informational flyers distributed to target groups
- Document number of target group receiving CGP information
- Document volume of visits to Stormwater website in regards to CGP information

### Publish and distribute written requirements for construction site best management practices

- Document number of informational flyers distributed to target groups
- Document number of target group receiving BMP information
- Document volume of visits to Stormwater website in regards to BMP information

- Document number in attendance at BMP training workshops

#### Review/update as necessary, procedures for reviewing site plans and accepting public input

- Document number of site plans reviewed for stormwater runoff control
- Document amount and type of public input received in regards to proposed construction projects
- Document amount and type of public input incorporated into approved ESC plans

#### Implement site inspection and enforcement procedures

- Document number of ESC permit applications received
- Document number of site inspections performed
- Document number and type of enforcement actions performed

#### Inspect all construction sites five (5) acres or more at least once per construction season

- Document number of ESC permits issued for project >5 acres in size
- Document number of sites >5 acres in size inspected during the construction season
- Document number of enforcement actions performed on projects >5 acres in size

#### Develop a written policy identifying how construction sites disturbing less than five (5) acres will be prioritized for inspection

- Document number of construction sites less than five (5) acres in size
- Document number of inspections on sites less than five (5) acres in size
- Document number of sites inspected in each category of the prioritization list

#### Ensure all permittee-owned construction projects comply with EPA's Construction General Permit (CGP)

- Document number of municipal construction projects
- Document number of ESC permits issued for municipal construction projects
- Document number of enforcement actions issued for municipal construction projects
- Document number of municipal employees in attendance at ESC training workshops
- Document number of municipal employees holding ESC certifications

### **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.

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**

Four (4) sand and grease traps were added to an existing project providing treatment to stormwater discharge that historically discharged untreated. Four (4) catch basins were replaced in conjunction with the Community Development Block Grant program. Three (3) culverts were replaced at two (2) locations due to failure. Data regarding post-construction maintenance of stormwater BMPs is presented in the Pollution Prevention and Good Housekeeping minimum measure section.

### **Summary of Inspections and Enforcement**

Final inspection of the above listed projects was performed to ensure proper installation and operation of these structures.

### **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.

### **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.

*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.

In year two, the City accomplished the following operation and maintenance program activities:

- Four (4) sand and grease traps were added to an existing project providing treatment to stormwater discharge that historically discharged untreated. Four (4) catch basins were replaced in conjunction with the Community Development Block Grant program. Three (3) culverts were replaced at two (2) locations due to failure.
- The following table represents a summary of the maintenance activities performed by the Street Division from October 2010 – October 2011.

Nampa Street Division Stormwater Maintenance Summary October 2010 – October 2011				
Date	Storm Drains	Catch Basins	Sand & Grease Traps	Gallons Debris/Water
October 2010		112	107	94,740
November 2010		67	67	86,850
December 2010	12	77	49	75,900
January 2011		17	97	100,700
February 2011	45	30	244	126,650
March 2011		35	239	174,950
April 2011		18	130	87,300
May 2011		8	37	80,400
June 2011	2	26	122	106,350
July 2011		216	29	76,400
August 2011	1	134	18	45,700
September 2011	3	50	65	84,350
October 2011	3	31	41	63,300
Totals	66	821	1,245	1,203,590

The following table provides a summary of Street Division activities for FY11.

Nampa Street Division Activities October 2010 – October 2011		
Activity	Type	Measurement
Drains, Basins, S&G	Man Hours	5,541 Hours
	OT	22.5 Hours
	Liquids	1,218,970 Gallons
	Solids	90.32 Yards
Sweeping	Man hours	4,354 Hours
Alleys / Shoulders	Man Hours	797.5 Hours
Snow Removal	Man Hours	539.5 Hours
	OT	217.5 Hours
	Mag-chlo	35,485 Gallons
	Salt 50 lb Bag	800 Lbs
	Sand	1,049 Yards
Training	Man Hours	1,333 Hours

*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.

In year two, the City accomplished the following municipal training program activities:

## Street Division Training Conducted In FY11

Street Division Training Conducted in FY11 October 2010 – October 2011			
Types of Training	Attendee	Date	Location
Communications	Tom Hinkle Doug Eadin	8 Feb 11	Boise, Idaho
Leadership Development	Curt Hensley Shawn Fournier Tammy Garcia Jake Smith Doug Standley Les Gibbens	25 May 11	Boise, Idaho
Fred Pryor/ Career Track			
Managing Emotions Under Pressure	Curt Hensley Shawn Fournier Jeff Keeney Mike Fusselman	8 Nov 10	Boise, Idaho
Communications	Tammy Garcia Cammy Apple	19 Jan 11	Boise, Idaho
Management Conference	Tom Hinkle	26 Apr 11	Boise, Idaho
BSU Professional Development			
Applied Leadership Mod 1-9	Mark Hadley Tammy Garcia	22-24 Feb 11	BSU
Applied Leadership Mod 10-18	Mark Hadley	26-28 Apr 11	BSU
Idaho Asphalt Conference	Don Barr Mark Hadley	27-28 Oct 10	Moscow, Idaho
SafetyFest			
OC/Safety & Emergency Management	Mark Hadley Tom Hinkle	25 Jan 11	Boise, Idaho
Accident Investigation	Mark Hadley Tom Hinkle	25 Jan 11	Boise, Idaho
Introduction to Environmental Regulations	Mike Fusselman Matt Stanley	25 Jan 11	Boise, Idaho
General Respirator Use	Mike Fusselman Matt Stanley	25 Jan 11	Boise, Idaho
OSHA 10-HR Construction Training	Mark Hadley	26-27 Jan 11	Boise, Idaho
MUTCD	Jake Smith Shawn Fournier Doug Eakin	27 Jan 11	Boise, Idaho

<b>Street Division Training Conducted in FY11 Continued October 2010 – October 2011</b>			
<b>Types of Training</b>	<b>Attendee</b>	<b>Date</b>	<b>Location</b>
Southwest Idaho Weed Control Association			
Noxious Weeds	Mike Fusselman Matt Stanley	17 Nov 11	Caldwell, Idaho
UOI Canyon County Extension Office			
Pesticides	Mike Fusselman Matt Stanley	8 Dec 11	Nampa, Idaho
Flood Flight Operations	Tom Hinkle Mark Hadley	1-2 Feb 11	Nampa, Idaho
T2 Road Scholar/Road Master Training			
365 Safety Training	Les Gibbens Tammy Garcia Jon Knehans Doug Eakins Tom Hinkle Jake Smith Mike Fusselman Sam Clark	1 Nov 10	Boise, Idaho
MUTCD	Don Barr Mark Hadley	17 Nov 10	Boise, Idaho
Gravel Road Maintenance	Tammy Garcia Doug Eakins Scott Hensley Les Gibbens Doug Stanley Todd Burns	21 Apr 10	Payette, Idaho
Roadway Drainage	Tammy Garcia Doug Eakins Jake Smith Sam Clark Mike Fusselman	6 Apr 11	Twin Falls, Idaho
Idaho Paving Materials	Doug Eakins Tammy Garcia	1 Mar 11	Twin Falls, Idaho
Basic Survey	Tammy Garcia Doug Eakins	2 Jun 11	Twin Falls, Idaho
Road Safety Audits	Jeff Keeney Scott Hensley Curt Hensley Todd Burns	7 Apr 11	Boise, Idaho

Street Division Training Conducted in FY11 Continued October 2010 – October 2011			
Types of Training	Attendee	Date	Location
Fire Extinguisher Training CPR Update	All Street Division Personnel	15 Feb 11	Nampa, Idaho
M-B Companies Paint Truck Training	Matt Stanley Doug Eakins Todd Burns Curt Hensley Mark Hadley	5-7 Apr 11	Nampa, Idaho
First Responder Awareness	All Street Division Personnel (Except Todd Burns)	17 May 11	Nampa, Idaho
Hazardous Communication	All Street Division Personnel	24 May 11	Boise, Idaho
Guard Rail Repair and Installation	Matt Stanley Sam Clark	23 May 11	Boise, Idaho
Signs & Markings	Shawn Fouriner Doug Eakins Matt Stanley	1 Jun 11	Nampa, Idaho
Team Building with Candy Weaver	All Street Division Personnel	13 Jun 11	Nampa, Idaho
CPR/First Aid/AED	Don Barr Tom Hinkle Mark Hadley Tammy Garcia Mike Fusselman Sam Clark Curt Hensley Shawn Fouriner Les Gibbens Doug Eakins Jeff Keeney Matt Stanley	19 Sep 11	Nampa, Idaho
NORCO Confined Space Seminar	Matt Stanley Shawn Fournier	27 Sep 11	Boise, Idaho

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

Erosion Control Responsible Person Training FY11	
Name	Division
Monte Hasl	Airport
Don Jenkins	Engineering
Chris Johnston	Engineering
Joel Meusch	Engineering
Glen Petty	Engineering
Jon Poston	Engineering
Ryan Lancaster	Parks
George Lucas	Parks
Scott Bowman	Parks

Erosion Control Responsible Person Training FY11	
Name	Division
Craig Bean	Parks
John Kingsbury	Parks
Don Barr	Street
Tom Hinkle	Street
Mark Hadley	Street
Scott Hensley	Street
Curt Hensley	Street
Jeff Keeney	Street
Todd Burns	Street
Doug Standley	Street
Les Gibbens	Street
Matt Stanley	Street
Shawn Fournier	Street
Sam Clark	Street
Mike Fusselman	Street
Doug Eakin	Street
Tammy Garcia	Street
New Hire	Street
Ira Rhoades	Water
Josh Hewitt	Water
Ron Sommars	Water
Mike Chesnut	Water
Victor Paez	Water
Manuael Rivas	Water
Albert Garcia	Water

This training was provided on April 20, 2010 and the certification is valid for three years making the expiration April 20, 2013. Any additional personnel will receive ESC Responsible training and certification on an as needed basis.

*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.

## 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

Pollution Prevention and Good Housekeeping for Municipal Operations compliance dates generally fall four (4) years from the permit effective date. Program components already initiated include operation and maintenance procedures and activities and municipal staff training. 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.

## 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.

## 2.8 Assessment/Monitoring (Permit Part IV)

### General Summary

Identified in Part IV.A of the permit the city is responsible for implementing a stormwater monitoring program by year two of the permit. As part of this requirement, the City submitted a Stormwater Monitoring Plan and Quality Assurance Plan with the first annual report. During year two of the permit the City has revised both documents in preparation for monitoring efforts during year three. Both documents are included as Appendices E and F, respectively.

### Evaluation of Compliance

*Not later than one year from the effective date of this permit, the permittee must develop a monitoring plan that includes the quality assurance requirements defined in Part IV.A.2.*

- City established a Stormwater Monitoring Plan in October of 2010. This document has been revised in December of 2011 and is included as Appendix E.

*The permittee must conduct a storm water discharge monitoring program which meets requirements identified in Part IV.A.5.*

- City has identified sample locations for the following water bodies: Indian Creek, Mason Creek and Wilson Drain.
- City will begin storm water sampling during Water Year 2012 as defined in the permit.

*The permittee must develop a quality assurance plan (QAP) for all monitoring required in Part IV.*

- City developed a QAP in October of 2010. This document has been revised in December 2011 and is included as Appendix F. As the program materializes the QAP will be reviewed and updated.

### **Results of Data Collected**

N/A

### **Summary of Inspections and Enforcement**

N/A

### **Summary of Upcoming Activities**

- Review and update the monitoring plan.
- Initiate stormwater monitoring activities during year three.
- Review and update the QAP.

### **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. 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

Part II.B of the permit identifies minimum control measures that 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. Sediment is mobilized from areas within the MS4 to receiving waters therefore; other pollutants attached to the sediment are mobilized as well. 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 was developed and initiated in year two of the permit. The program focused on ways to address the pollutants of concern. Specifically, the program raised awareness on activities and changes in behavior that can address specific pollutants of concern. The program was developed around activities such as open houses, mail inserts, fact sheets, an informative website, and public service announcement. The activities 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)

See Section 3.2 for details of specific public education and outreach activities completed in year two.

**Measuring effectiveness.** In year one of the permit, the City set specific metrics for the public education and outreach program to measure program effectiveness. Metrics were focused 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 developed several fact sheets in year two 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.

Section 3.2 provides a summary of the City activities that met permit requirements associated with the public education and outreach minimum measure.

### 3.2 Minimum Measure #2: Public Involvement/Participation

**Activities targeted on pollutants of concern.** The City's public involvement/participation program is was developed and initiated in year two of the permit. The program focused on ways to address pollutants of

concern in specific ways. For example, the City sponsored a community clean-up day and actively participated in the Boise River Sweep along Indian Creek, Wilson Creek, and Mason Creek. Through these activities, the City raised 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 continued to involve 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. See Section 3.3 for details of specific public involvement/participation activities completed in year two.

**Measuring effectiveness.** The City set specific metrics for the public involvement/participation program to measure program effectiveness. Metrics focused specifically on measuring progress in meeting the requirements highlighted in Part II.B.2. For example, the City 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). The City staff met with Council on multiple occasions to provide program updates and involve them in key program decisions. Section 3.3 provides a summary of the City activities that met permit requirements associated with the public involvement/participation minimum measure.

### 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 three of the permit. Given the priority to develop the first two minimum measures of the program by year two, the IDDE program was a secondary priority in year two. Activities occurring in year two that helped address pollutants of concern included continued development of the stormwater system map.

**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 three 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 three.

### 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 four of the permit. Given the priority to develop the first two minimum measures of the program in by year two, the post construction stormwater program was a secondary priority in year two. 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 three and four 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 four 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 four 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 two, the pollution prevention and good housekeeping program was a secondary priority in year two.

**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 four program development.



## Section 4

# Other Required Documents and Reports

**Stormwater Management Plan (Revised 2011):** See Appendix D

**Monitoring Plan(Revised 2011):** See Appendix E

**Quality Assurance Plan (Revised 2011):** 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

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### List of Stormwater Acronyms:

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

## Appendix B: Stormwater Glossary

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**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.

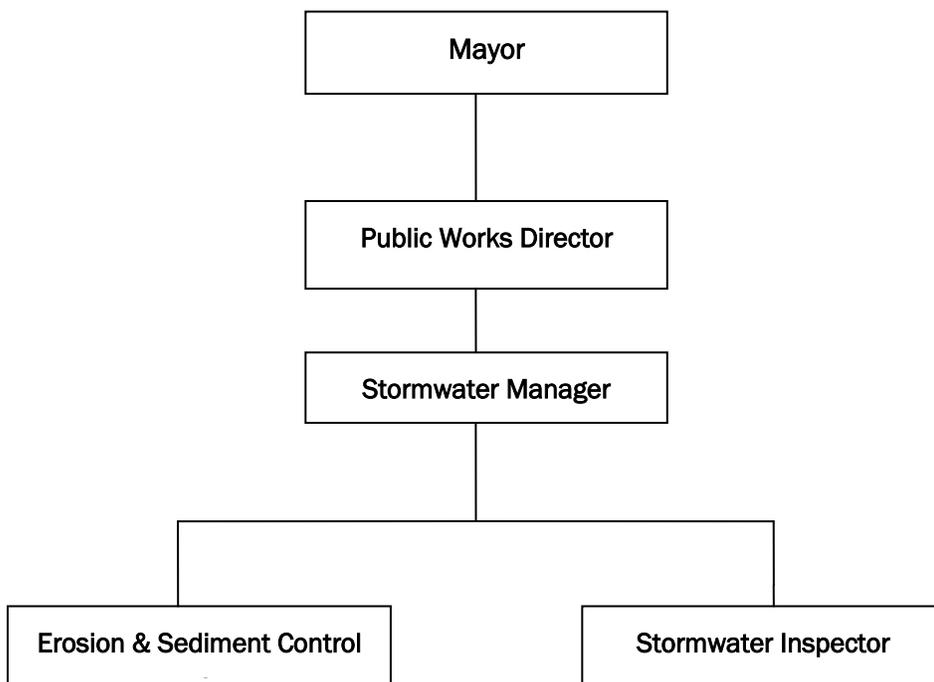
**Wetlands:** means those areas that are inundated or saturated by surface or groundwater at a frequency and duration sufficient to support, and that under normal circumstances do support, a prevalence of vegetation typically adapted for life in saturated soil conditions. Wetlands generally include swamps,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

## Appendix C: Stormwater Organizational Chart

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### Stormwater Division Organizational Chart

FY 2010-2011



## **Appendix D: Stormwater Management Plan**

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## **Appendix E: Stormwater Monitoring Plan**

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## Appendix F: Quality Assurance Plan

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## Appendix G: Copies of Additional Materials

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

# Educational Materials

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## **Appendix H: Public Education and Outreach Plan**

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